ENGINEERING, REIMAGINED

MARWARI 28 16 STATE FEDERAL COM #232H

Incident ID nAPP2430531050

Devon Energy Production Company

May 2025

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May 20, 2025

EMNRD – Oil Conservation Division
506 W. Texas
Artesia, New Mexico 88210

SUBJECT: Spill Assessment and Closure Report for Remedial Activities at Marwari 28 16 State Federal Com #232H Well Pad

Incident ID # nAPP2430531050
API # 30-025-45203
Lea County, New Mexico

Introduction

KLJ Engineering (KLJ) prepared this report on behalf of Devon Energy Production Company, LP (Devon) to document a spill assessment conducted following the release of produced oil and water that occurred on the engineered pad at the Marwari 28 16 State Federal Com #232H (Marwari) site on October 30, 2024.

Devon submitted the initial release notification, Notice of Release (NOR), to the New Mexico Energy, Minerals, and Natural Resources Department – Oil Conservation Division (NMOCD) on October 30, 2024, through the Operator's Electronic Permitting and Payment Portal. The Form C-141, Release Notification, was subsequently submitted on November 4, 2024.

This report aims to provide a description of the spill assessment and includes a formal request for spill closure in accordance with the requirements set forth in New Mexico Administrative Code (NMAC) 19.15.29.

Site Location and Background

The Marwari site is located approximately 26.23 miles southeast of Loving, New Mexico, on land managed by the Bureau of Land Management (BLM). The site lies within the Public Land Survey System (PLSS) in Section 28, Township 25 South, Range 32 East, in Lea County. KLJ conducted a site assessment and characterization in accordance with NMAC 19.15.29.11 and NMAC 19.15.29.12 to evaluate the extent of environmental impacts and determine applicable closure requirements.

Table 1: Release Information			
Depth to Ground Water Determination: 51-100 bgs			
Site Name	Marwari 28 16 State Federal Com #232H	Company	Devon Energy Production Company, LP
Facility ID/API Number	30-025-45203	PLSS/GPS	D-28-25S-32E/32.10811, -103.68731
Lease ID	NMLC0061869	Land Status	Bureau of Land Management
Incident ID	nAPP2430531050	Date Of Release	10/30/2024
Source of Release	Corrosion on flowline	Volume Released/Recovered	2 bbls/0 bbls oil 5 bbls/0 bbls pw
Specific Features	Low Karst Potential, DTGW pod within 0.5-mile radius, and FEMA Zone D		

Release Description and Immediate Response

On October 30, 2024, a Devon lease operator discovered a flowline leak that resulted in the release of fluids onto the engineered pad surface. An estimated 2 barrels (bbls) of produced oil and 5 bbls of produced water were released. The release stayed within the limits of the engineered pad. Initial response actions were conducted by the operator and included source elimination, photographic documentation of the affected area, volume estimation, and an attempt to recover released fluids. However, no fluids were successfully recovered. An aerial image and site schematic illustrating the release area is provided in Figure 1 (Appendix A).

Site Characterization

A summary of findings from a desktop review is provided below. Additional information is included in Appendix E.

Geological Features

The Geologic Map of New Mexico by New Mexico Bureau of Geology and Mineral Resources indicates the surface geology at the incident location area is comprised of primarily Qep – Eolian and piedmont deposits (Holocene to middle Pleistocene) – interlayed eolian sands to piedmont slope deposits.

The surrounding geography and terrain is associated uplands, plains, dunes, fan piedmonts, and inter-dunal areas at elevations between 3,000 and 3,900 feet above sea level. Parent material consists of mixed alluvium and/or eolian sands derived from sedimentary rock. The annual average rainfall and precipitation ranges between 8 to 13 inches. The soil in the release area tends to be well drained with negligible runoff, and low available water supply.

Soil Characteristics

The soil texture is characterized as Pyote loamy fine sands and tends to be moderately deep to very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand, or gravelly sandy loam. Subsurface is loamy fine sand, coarse sandy loam, fine sandy loam, or loam that averages less than 18 percent clay and less than 15 percent carbonates while substratum is fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Layers high in lime or with caliche fragments may occur at depth of 20 to 30 inches. If unprotected by plant cover and organic residue, these soils will become wind-blown and low hummocks are formed.

Ecological Setting

The ecological setting is vegetation of a grassland aspect dominated by black grama, dropseeds, and bluestems with scattered shinnery oak and sand sage. Sand sage and shinnery oak tend to be evenly dispersed due to the coarse soil surface. Perennial and annual forbs are reflective of rainfall. A decrease in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite, grasses/broom snakeweed, or grasses/sand sage.

Hydrological Source Proximity

There is no surface water located on site or within 300 feet of the site. The nearest significant watercourse, as defined in NMAC 19.15.17.7.P, is a riverine located approximately 0.21 miles to the southeast, the nearest playa lake is approximately 7.73 miles to the southwest, and the nearest wetland is a freshwater emergent wetland located 3.13 miles southwest of the site (U.S. Fish and Wildlife Services, National Wetlands Inventory, 2025). There are no continuous flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features within the defined distance, as outlined in Paragraph (4) of Subsection C of NMAC 19.15.29.12.

Depth to Groundwater Determination

Depth to groundwater was determined using New Mexico Office of the State Engineer (NMOSE) Water Rights Pod Location: ArcGIS Interactive Online Map. The nearest active pod is an exploratory well drilled by Devon, Pod C-04879-Pod1, located 0.19 miles south of Marwari. The well record indicates depth to groundwater to be greater than 55 feet

below ground surface (bgs). The nearest water source used for private and domestic purposes is a freshwater well used for stock watering purposes, Pod C-04209-Pod1-2, located 3.38 miles southwest of Marwari.

Karst Potential

Karst potential for the Marwari is low. The nearest area with medium karst potential is located 2.48 miles to the northeast, based on the New Mexico State Land Status Interactive Map (NMSLO).

FEMA

The Site is located within FEMA-designated Zone D, indicating an area of undetermined flood hazard. The nearest special flood hazard area, Zone A, is approximately 2.68 miles from the site based on the Flood Insurance Rate Map (FIRM).

Closure Criteria Summary

Based on the results of the desktop review and the estimated local groundwater depth at the Marwari site, the applicable closure criteria are the constituent concentration limits for a groundwater depth of 51–100 feet, as specified in Table I of NMAC 19.15.29.12. Site characterization details are provided in Appendix E.

Delineation Activities

KLJ conducted an initial site inspection of the release area on October 31, 2024, which identified the area of the spill specified in the initial C-141 Report, estimated the approximate volume of the spill and white lined the area required for the 811 One Call request. The impacted area was determined to be approximately 116 feet long and 62 feet wide; the total affected area was determined to be 2,501 square feet after excavation was completed.

On December 18, 2024, KLJ conducted delineation activities to assess the horizontal and vertical extent of impacts associated with the release. Prior to the site visit, delineation sampling notification was provided to Devon via email on December 15, 2024. Submission to the online portal was submitted on December 16, 2024, and is included in Appendix D. During field activities, a total of 19 shallow test pits (TP-01 through TP-19) were excavated at and around the release area. In addition, a total of five surface soil samples (SS-01 through SS-05) were collected directly above the flowline, and one sample (PH-01) was collected from an area above the flowline that was potholed for safety prior to arrival. KLJ guided delineation activities by field screening for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and for chloride concentrations using Hach QuanTab test strips. Delineation soil samples were collected directly into laboratory provided glass soil sample jars, labeled appropriately, and placed immediately on ice. The soil samples were transported to Xenco Laboratories in Midland, Texas for analysis. All samples were analyzed for chlorides (EPA Method 300.0), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D), and BTEX (EPA Method 8260C). Results of field screening and laboratory analysis are summarized in Table 2 (Appendix B). The locations of delineation soil samples are provided in Figure 1 (Appendix A), and field notes and photographs for the visit are included in Appendix C.

Remediation Activities

Additional delineation and remediation efforts were conducted by KLJ on April 8, 2025. Prior to the site visit, KLJ provided notification to Devon via email on April 3, 2025. Submission to the online portal was completed on April 3, 2025, and is included in Appendix D.

Additional screening was completed at multiple sample points (Figure 2, Appendix B) and consisted of analysis using Dexsil Petroflag, utilizing EPA SW-846 Method 9074 (extractable hydrocarbons), electroconductivity meter and titration (chlorides). Field screening results were used to differentiate areas requiring additional remediation from those with contaminant concentrations below the established closure criteria. Field screening results are included in Table 3 (Appendix B). Once additional screening activities were complete, soils within the impacted area were

removed to a depth of 0.25 feet bgs to 1.0 foot bgs. An aerial image and site schematic showing excavation boundaries and sample locations is included in Figure 2 (Appendix A).

Confirmatory five-point composite samples were then collected from the base and walls of the excavation at a frequency of one sample per 200 square feet, resulting in a total of 20 samples. Samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Hall Environmental Analysis Laboratory under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). To confirm the vertical extent of impacts, additional delineation was then conducted at two locations (TP20 and TP21). Each location was advanced to 4 feet bgs, with discrete samples collected at two-foot intervals (i.e., 0–2 ft and 2–4 ft bgs).

Laboratory results for the sample event are summarized in Table 3 (Appendix B), and the full analytical data reports are included in Appendix F. Following completion of field activities, impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility.

Initial laboratory results indicate that two confirmatory sample locations (BS1 and BS11) exceed the applicable closure criteria for total petroleum hydrocarbons, as defined in NMAC 19.15.29.12. In accordance with regulatory requirements, a second sample notification was submitted via the NMOCD portal on April 29, 2025. Resampling was conducted on May 2, 2025, and the samples were submitted for laboratory analysis. Results from field screening and laboratory testing are included in Table 3 (Appendix B), and related correspondence is provided in Appendix D.

Extension Requests

The initial 90-day regulatory window, established following the October 30, 2024 release, set a closure deadline of January 28, 2025. A first extension request was submitted via email and approved by the NMOCD, extending the deadline to April 21, 2025.

A second 30-day extension request was submitted via email to the NMOCD to further extend the deadline to May 21, 2025. This extension was requested to accommodate follow-up sampling after two confirmatory sample locations (BS1 and BS11) exceeded closure criteria, as described above. The additional time allowed for completion of resampling, receipt of laboratory results, and incorporation of the findings into the final closure report. Correspondence related to both extension requests is included in Appendix D.

Conclusion and Closure Request

Based on the results of the site assessment and subsequent remedial activities conducted in accordance with NMAC 19.15.29, the release area has been fully delineated both horizontally and vertically and remediated to meet the applicable closure criteria. All contaminated material was removed to the extent practicable, and confirmation sampling verified that residual contaminant concentrations are below the NMOCD closure criteria thresholds. Due to the active status of the well pad where the release occurred, complete remediation of the top four feet of soil—including reestablishment of vegetation—is not currently feasible. KLJ believes that residual chloride concentrations within the impacted area exceed the reclamation standards but remain below the closure criteria established under NMAC 19.15.29.13. As such, the site meets the regulatory requirements for closure. Further evaluation will be conducted during the plugging and abandonment (P&A) phase of the facility, at which time final remediation of soil chloride concentrations exceeding reclamation thresholds will be addressed.

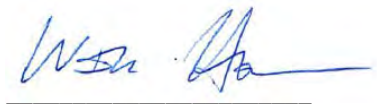
Based on the information provided herein, Devon Energy respectfully requests a determination of no further action (NFA) and formal closure of the release under NMAC 19.15.29.

Acknowledgement and Signature

I certify that the information provided in this report is true and accurate to the best of my knowledge and that the corrective actions and documentation meet the requirements outlined in NMAC 19.15.29.

Submitted by and prepared by:

KLJ Engineering

Written By	Reviewed By
Name: Monica Peppin	Name: Will Harmon, P.G.
Title: Environmental Specialist II	Title: Environmental Project Manager
Signature: 	Signature: 

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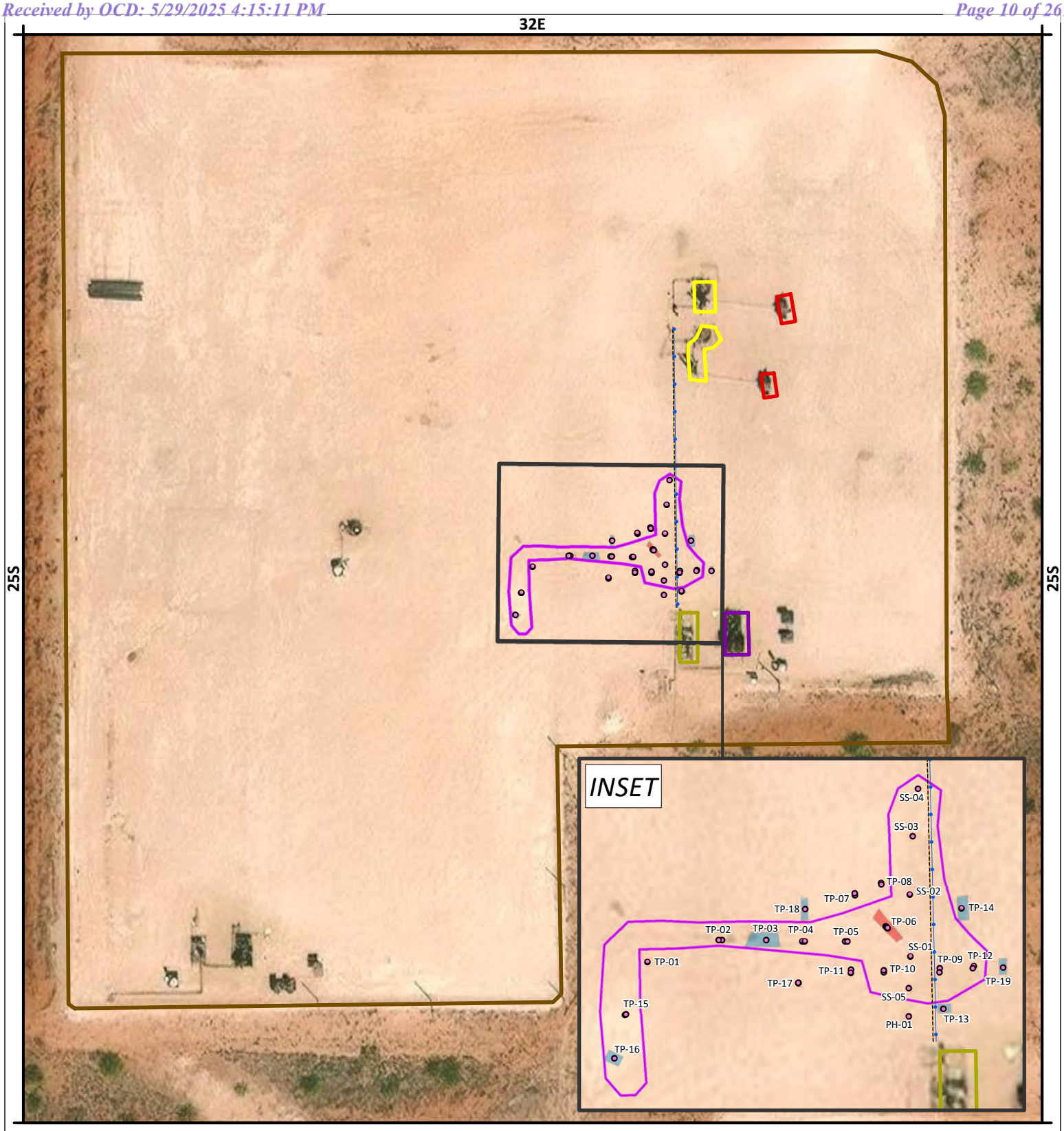
APPENDIX A
FIGURES



Spill Area
Buried Electrical
Underground Line
6" Excavation Area (~123.0 sq. ft.)
1'-2' Excavation Area (~32.9 sq. ft.)

Equipment
Chemical Tote
Compressor
Meter Run
Well Head

Sample Pit Totals:
624.4 Cubic Feet
587.1 Square Feet

KLJ
Date Created: 4/25/2025

0 25 50 100 Feet
1:1,000
Map Center
Lat/Long: 32.10811, -103.68731

N

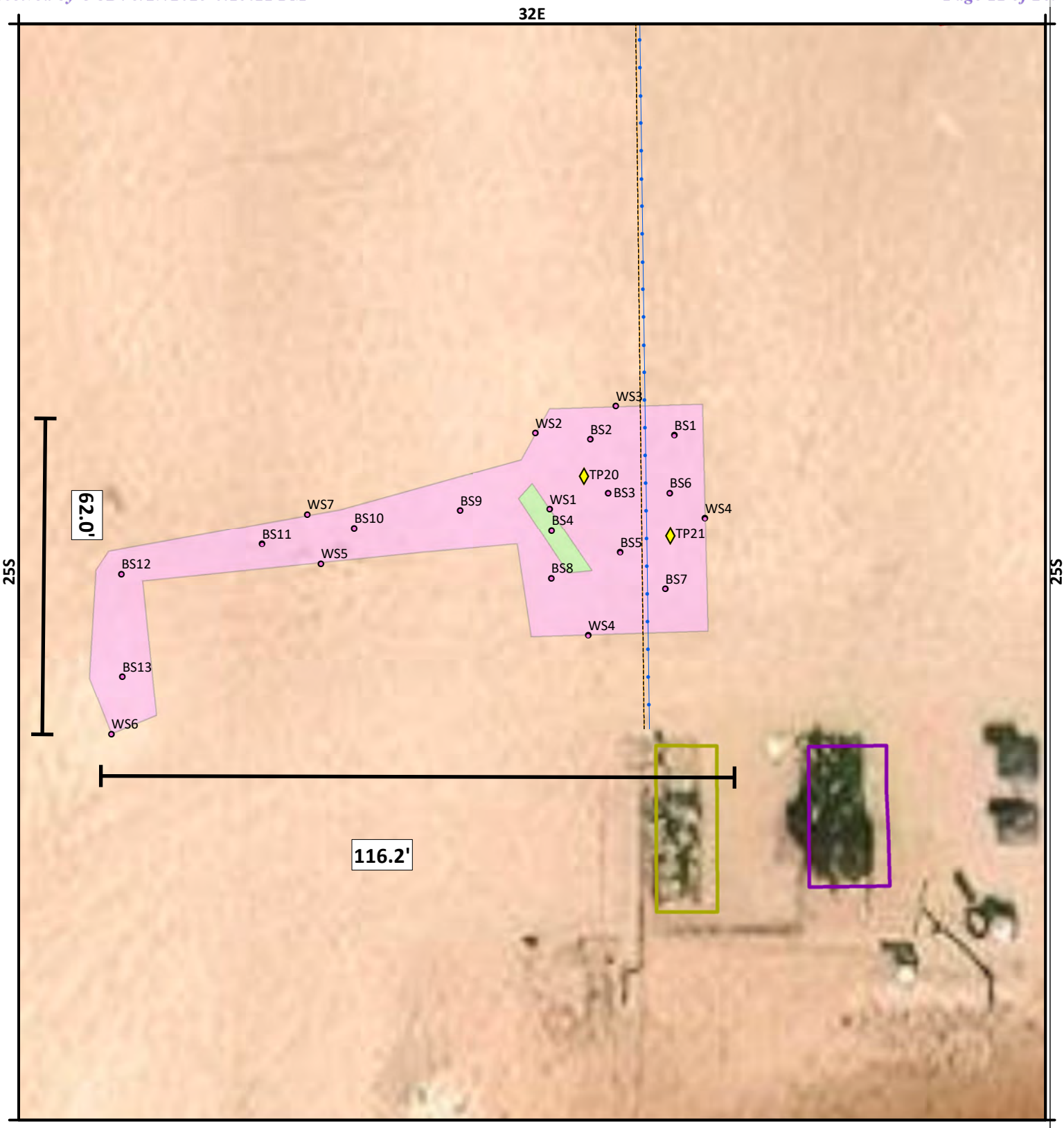
Marwari 28 16 State Federal Com #232H
Devon Energy Production Company
Lea County, New Mexico

Figure: 1

devon

Document Location: K:\Projects\OilGas\DevonEnergy\2407-01664_Marwari\GIS\Environmental\2407_01664_Marwari_28_16_StateFed_Fig1_20250425.mxd

Imagery Source: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Sample Point
TP Sample Point
Buried Electrical
Underground Line

Equipment
Chemical Tote
Compressor
Meter Run

Sample Pit
0.25' Excavation (2431.7 Sq. Ft)
1' Excavation (70.0 Sq. Ft)

Sample Pit Totals:
1285.9 Cubic Feet
2501.7 Square Feet

KLJ
Date Created: 4/28/2025

0 5 10 20 Feet
1:300
Map Center
Lat/Long: 32.10811, -103.68731

N

Marwari 28 16 State Federal Com #232H
Devon Energy Production Company
Lea County, New Mexico

Figure: 2

devon

Document Location: K:\Projects\OilGas\DevonEnergy\2407-01664_Marwari\GIS\Environmental\2407_01664_Marwari_28_16_StateFed_Fig2_20250428.mxd

Imagery Source: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

APPENDIX B
TABLES

Client: Devon Energy Production Company
Site: Marwari 28 16 State Federal Com #232H
Incident ID: nAPP2430531050

Project #: 2407-01664
Lab Reports: 52535

Table 2: Characterization Field Screening & Laboratory Analysis Results

Sample Details			Preliminary Screening				Laboratory Analysis Results							
							Method 8021B		Method 8015D					Method 300.0
Sample ID	Date	Depth (ft bgs)	Volatile Organic Compounds (PID)	Extractable Organic Compounds (Petroflag)	Chloride Concentration Low Range (Quantabs)	Chloride Concentration High Range (Quantabs)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO +DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
51–100 ft DTGW							10	50	-	-	-	-	2,500	10,000
TP-01	12.18.2024	1'	0	-	29	-	<0.00100	<0.00201	<49.7	<49.7	<49.7	<99.4	<149.1	328
TP-02	12.18.2024	0-0.5'	0	-	161	-	<0.00101	<0.00201	<50.0	<50.0	<50.0	<50.0	<150.0	3,070
		1'	0	-	62	-	-	-	-	-	-	-	-	1,190
TP-03	12.18.2024	0-0.5'	0	-	121	-	<0.00101	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	549
TP-04	12.18.2024	0-0.5'	0	-	7600	856	<0.00101	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	3,000
		1'	0	-	161	-	<0.00100	<0.00201	<49.9	<49.9	<49.9	<99.8	<149.7	620
TP-05	12.18.2024	0-0.5'	0	-	-	2115	<0.00100	<0.00201	<50.0	<50.0	<50.0	<100.0	<150.0	5,410
		1'	0	-	500	-	<0.00100	<0.00201	<49.9	<49.9	<49.9	<99.8	<149.7	1,600
TP-06	12.18.2024	0-0.5'	0	-	>606	800	<0.00100	<0.00201	<49.7	49.8	<49.7	49.8	49.8	2,980
		1'	0	-	55	-	<0.00100	<0.00201	<50.0	<50.0	<50.0	<100.0	<150.0	2,390
		2'	0	-	20	-	-	-	-	-	-	-	-	406
		4'	0	-	25	-	-	-	-	-	-	-	-	331
TP-07	12.18.2024	0-0.5'	0	-	175	-	<0.00100	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	923
		1'	0	-	<29	-	-	-	-	-	-	-	-	82.1
TP-08	12.18.2024	0-0.5'	0	-	280	-	<0.00100	<0.00201	<49.9	<49.9	<49.9	<99.8	<149.7	682
		1'	0	-	47	-	-	-	-	-	-	-	-	432
TP-09	12.18.2024	0-0.5'	42	-	605	3560	<0.0502	3.57	75.2	806	<50.0	881.2	881.2	6,960
		1'	5	-	250	-	<0.00101	<0.00202	<49.9	<49.9	<49.9	<99.8	<49.9	1,380
TP-10	12.18.2024	0-0.5'	1	-	605	933	<0.000994	<0.00199	<50.0	59.6	<50.0	59.6	59.6	3,020
		1'	1	-	282	-	<0.00101	<0.00202	<49.8	91.8	<49.8	91.8	91.8	2,830
TP-11	12.18.2024	0-0.5'	0	-	>605	2115	<0.00101	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	3,670
		1'	0	-	34	-	<0.00100	<0.00201	<49.9	<49.9	<49.9	<99.8	<149.7	501
TP-12	12.18.2024	0-0.5'	0	-	605	933	<0.000990	<0.00198	<50.0	<50.0	<50.0	<50.0	<150.0	1,650
		1'	0	-	80	-	<0.00100	<0.00201	<49.9	<49.9	<49.9	<99.8	<149.7	1,460
TP-13	12.18.2024	0-0.5'	0	-	25	-	<0.00100	<0.00200	<50.0	<50.0	<50.0	<100.0	<150.0	522
TP-14	12.18.2024	0-0.5'	0	-	20	-	<0.00100	<0.00200	<49.8	<49.8	<49.8	<99.6	<149.4	264
		1'	0	-	41	-	<0.00100	<0.00200	-	-	-	-	-	-
TP-15	12.18.2024	0-0.5'	0	-	468	715	<0.000990	<0.00198	<50.0	<50.0	<50.0	<50.0	<150.0	3,320
		1'	0	-	-	-	<0.00100	<0.00200	<49.9	<49.9	<49.9	<99.8	<149.7	568
TP-16	12.18.2024	0-0.5'	0	-	<0.005	-	<0.00100	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	101
TP-17	12.18.2024	0-0.5'	0.0	-	71	-	<0.00100	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	951
		1'	0.0	-	-	-	-	-	-	-	-	-	-	741
TP-18	12.18.2024	0-0.5'	0.0	-	<0.005	-	<0.000990	<0.00198	<49.8	<49.8	<49.8	<99.6	<49.8	123
TP-19	12.18.2024	0-0.5'	0.0	-	20	-	<0.00100	<0.00200	<50.0	<50.0	<50.0	<100.0	<150.0	395
PH-01	12.18.2024	1'	-	-	200	-	<0.000990	<0.00198	<49.9	<49.9	<49.9	<99.8	<149.7	2,410
SS-01	12.18.2024	Surface	0.0	-	600	-	<0.00100	<0.00200	<50.0	<50.0	<50.0	<100.0	<150.0	1,890
SS-02	12.18.2024	Surface	0.0	-	-	-	<0.000996	<0.00199	<49.8	71.9	<49.8	71.9	71.9	1,690
SS-03	12.18.2024	Surface	0.0	-	374	-	<0.00100	<0.00200	<49.9	<49.9	<49.9	<99.8	<149.7	1,270
SS-04	12.18.2024	Surface	1	-	-	-	<0.00100	<0.00201	<49.8	<49.8	<49.8	<99.6	<149.4	1,850
SS-05	12.18.2024	Surface	0.0	-	491	-	<0.000994	<0.00199	<50.0	<50.0	<50.0	<50.0	<150.0	1,270

"-" indicates not analyzed

Client: Devon Energy Production Company
Site: Marwari 28 16 State Federal Com #232H
Incident ID: nAPP2430531050

Project #: 2407-01664
Lab Reports: 22991, 22992, 242506

Table 3: Confirmation Field Screening & Laboratory Analysis Results

Sample Details			Preliminary Screening				Laboratory Analysis Results							
							Method 8021B		Method 8015D					Method 300.0
Sample ID	Date	Depth (ft bgs)	Volatile Organic Compounds (PID)	Extractable Organic Compounds (Petroflag)	Chloride Concentration (Electrical Conductivity Meter)	Chloride Concentration (Titration)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO +DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration (Cl⁻)
Closure Criteria Limits			ppm	ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
51–100 ft DTGW			-	-	-	-	10	50	-	-	-	1,000	2,500	10,000
BS1	4/8/2025	0.25'	-	900	1838	-	ND	ND	ND	1,300	640	**1,300**	1,940	2,100
	5/2/2025		-	196	1162	1080	ND	ND	ND	200	160	**200**	360	750
BS2	4/8/2025	0.25'	-	-	1968	-	ND	ND	ND	ND	100	ND	100	1,600
BS3	4/8/2025	0.25'	-	-	560	-	ND	ND	ND	ND	ND	ND	ND	350
BS4	4/8/2025	1'	-	-	324	510	ND	ND	ND	ND	ND	ND	ND	320
BS5	4/8/2025	0.25'	-	-	715	-	ND	ND	ND	ND	ND	ND	ND	460
BS6	4/8/2025	0.25'	-	-	686	-	ND	ND	ND	ND	ND	ND	ND	440
BS7	4/8/2025	0.25'	-	-	1307	-	ND	ND	ND	810	450	810	1,260	1,200
BS8	4/8/2025	0.25'	-	76	2274	-	ND	ND	ND	ND	ND	ND	ND	1,900
BS9	4/8/2025	0.25'	-	59	3269	-	ND	ND	ND	ND	ND	ND	ND	3,300
BS10	4/8/2025	0.25'	-	-	874	-	ND	ND	ND	ND	ND	ND	ND	710
BS11	4/8/2025	0.25'	-	1063	3037	-	ND	ND	ND	1,900	1,300	**1,900**	**3,200**	2,700
	5/2/2025		-	231	1004	830	ND	ND	ND	140	140	**280**	**280**	880
BS12	4/8/2025	0.25'	-	-	1685	-	ND	ND	ND	12	ND	12	12	1,600
BS13	4/8/2025	0.25'	-	-	530	-	ND	ND	ND	12	ND	12	12	390
WS1	4/8/2025	0-1'	-	-	1164	1533	ND	ND	ND	15	ND	15	15	1,100
WS2	4/8/2025	0-0.25'	-	-	637	-	ND	ND	ND	ND	49	ND	49	370
WS3	4/8/2025	0-0.25'	-	-	1243	-	ND	ND	ND	ND	170	270	440	940
WS4	4/8/2025	0-0.25'	-	-	-	412	ND	ND	ND	ND	ND	ND	ND	350
WS5	4/8/2025	0-0.25'	-	66	1676	-	ND	ND	ND	15	ND	15	15	1,200
WS6	4/8/2025	0-0.25'	-	-	49	-	ND	ND	ND	ND	ND	ND	ND	ND
WS7	4/8/2025	0-0.25'	-	-	21	-	ND	ND	ND	10	ND	10	10	ND
TP20	4/8/2025	2'	-	-	36	-	ND	ND	ND	ND	ND	ND	ND	ND
		4'	-	12	0	-	ND	ND	ND	13	ND	13	13	ND
TP21	4/8/2025	2'	-	-	0	-	ND	ND	ND	ND	ND	ND	ND	ND
		4'	-	16	0	-	ND	ND	ND	13	ND	13	13	ND

"-" indicates not analyzed
"ND" indicates Not Detected at Reporting Limit
"Red" Highlighted indicates above Closure Criteria Threshold
"Green" Indicates sample recollection below Closure Criteria Threshold

APPENDIX C
SITE ASSESSMENT AND PHOTOLOG REPORT

Environmental Remediation Field Report

Site & Incident Information

Client:	Devon Energy	**Date:**	December 18, 2024
Site Name:	Marwari 28 16 State Federal Com #232H	**Arrival Time:**	8:30 AM
Incident ID:	nAPP2430531050		
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Lea County		
Lease ID:	NMLC0061859		
Facility ID/API #:	30-025-45203		

Photo of Lease Sign

Observations and Field Notes

- Arrive on location to complete delineation of the release area.
- Test pits were dug to collect samples and determine the extents of the release by stepping out and meeting criteria to the strictest parameters.
- Blind sweep was completed for lines as well as the one call placed by the contractor.
- Field screening samples with hach test strips for chlorides, low range and high range.
- PID used to screen for volatiles.
- Samples will be submitted to the lab for analysis.
- Some samples collected had a strong odor to them.

Photolog

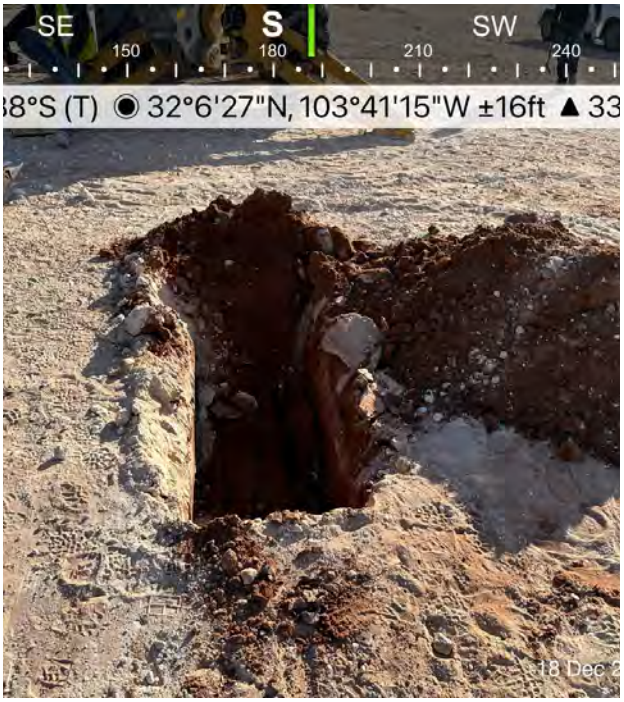
Facing east viewing test pit at beginning of delineation efforts.

View of equipment being utilized to pothole for sample collection

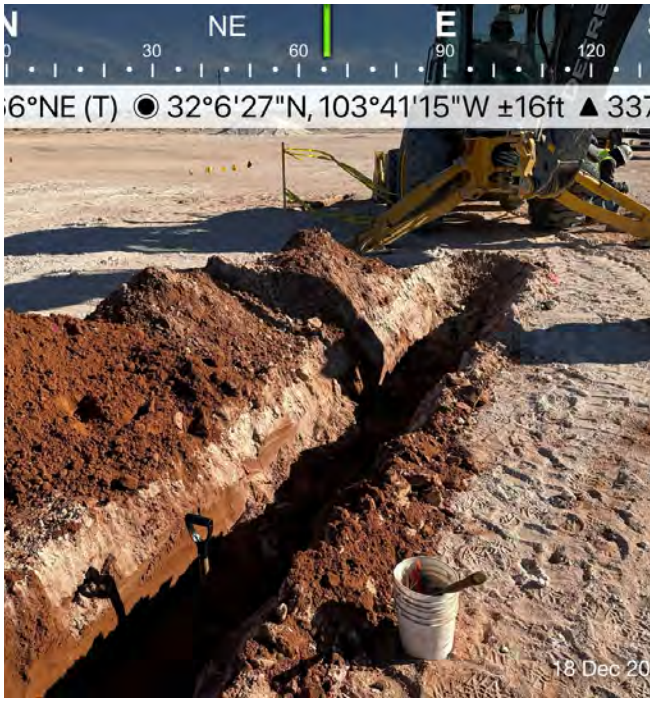
Viewing trenched spot where samples were taken and field screened.

View of trench dug to collect samples to field screen.

Photolog



T

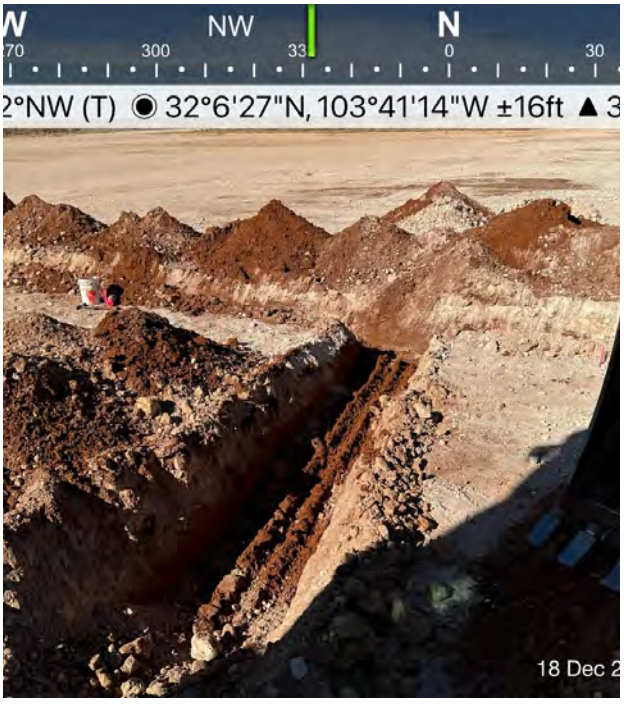


Facing east viewing area going downhill for one call.

West end of release area facing west that will be marked with paint.

View of underground flow lines previously marked for one call.

Photolog



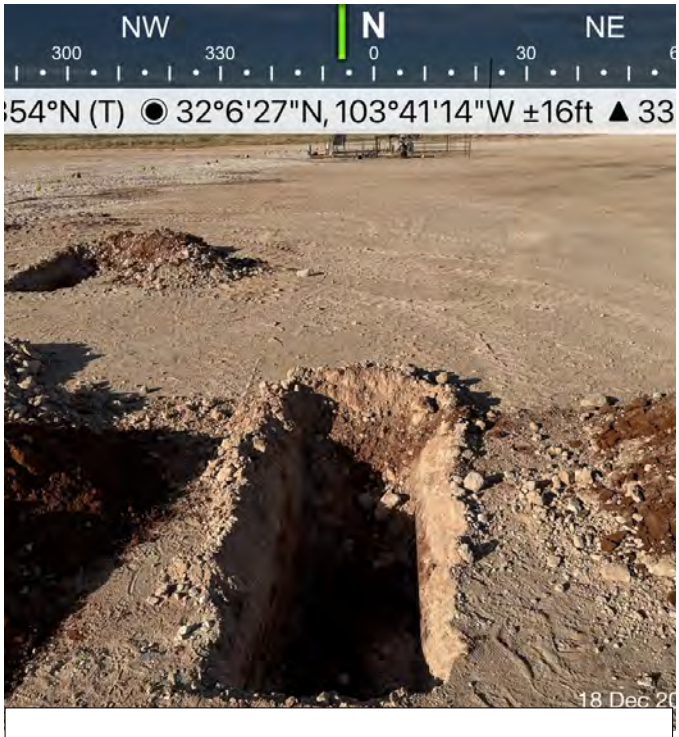
Test Pit trench

Test pit view from south side facing north

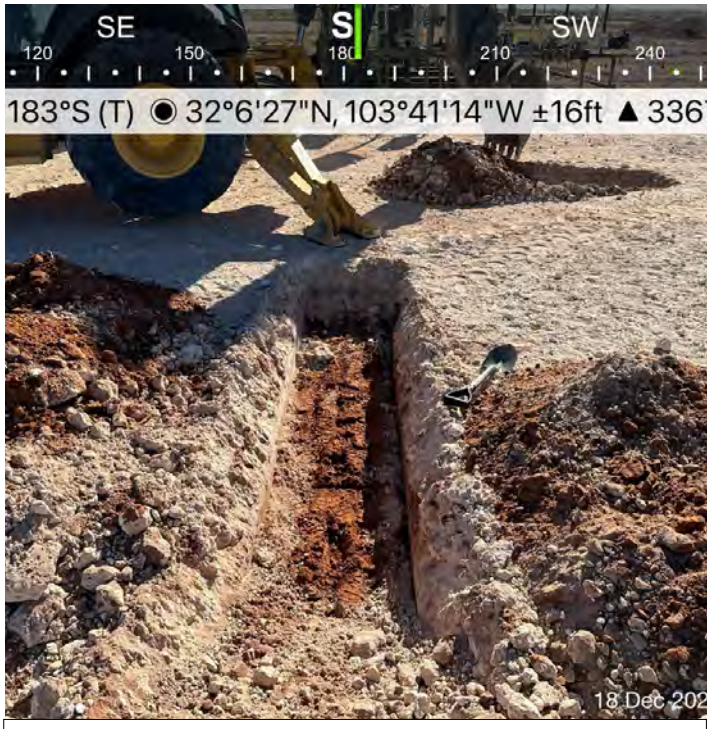
North view of test pits

Test pits near flowline

Photolog



Looking north at test pit areas for sample collection

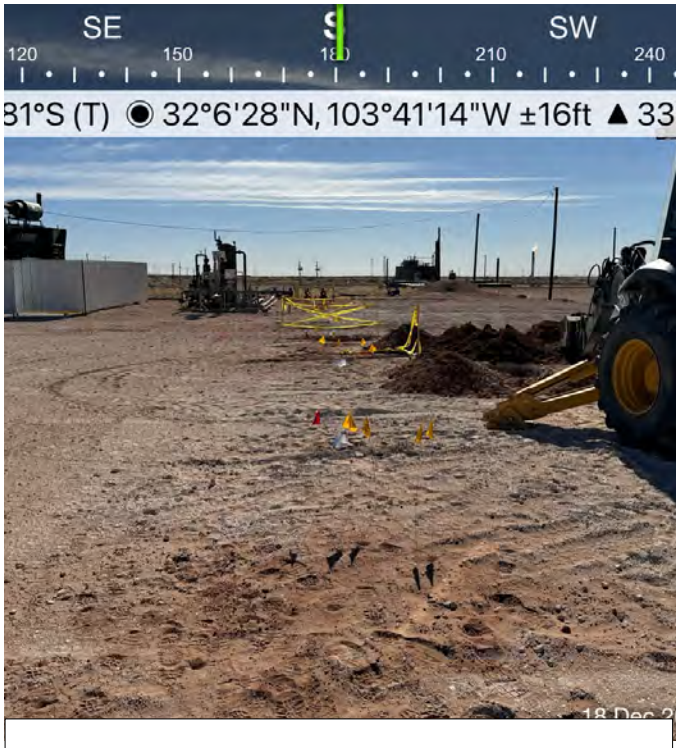


South view of next test pit dug for sampling

Test Pit step out to sample

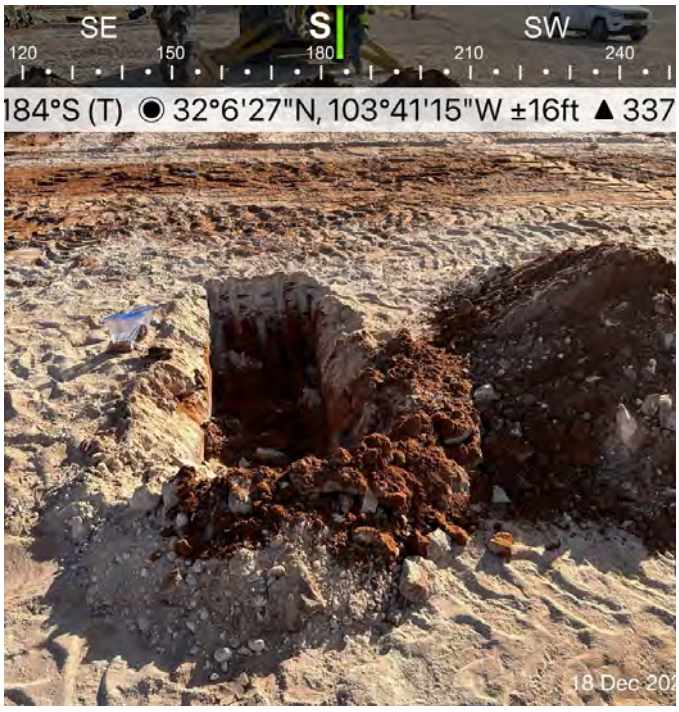
South view of east area where test pits were dug

Photolog



South view where flowlines are located

Test pit trenched for multiple samples to be collected



Test pit for a step out viewing towards the south

Northeast view of test pits around release area

Photolog

Equipment completing a test pit

Area backfilled and contorued back to how it was

Additional Notes & Recommendations

- Test pits completed and backfilled with same soil that came out.
- Send samples for lab analysis
- Schedule remediation activities
- Complete additional sampling if needed after labs come in for delineation

Handwritten Notes

PROJECT MARONAGI - DEVON
SHEET NO. 2 OF 3
CALCULATED BY ____ DATE ____
CHECKED BY ____ DATE ____

SURFACE OVER PIPELINE

SS-01	CL = 7.8 (600)		PID = 0	
SS-02	CL = N/A		PID = 0	
SS-03	CL = 6.2 (374)		PID = 0	
SS-04	CL = N/A		PID = 1	
SS-05	CL = 7.0 (491)		PID = 0	
TP-09 (0-6")	CL = MAX	HR = 7.6 (3,560)	PID = 42	Slight odor
TP-09 (1')	CL = 5.4 (250)		PID = 5	Slight odor
TP-10 (0-6")	CL = 7.6 (605)	HR = 4.4 (933)	PID = 1	
TP-10 (1')	CL = 5.4 (282)		PID = 1	
TP-11 (0-6")	CL = 9.6	HR = 6.4 (2,115)	PID = 0	
TP-11 (1')	CL = 1.6 (34)		PID = 0	
TP-12 (0-6")	CL = 7.6	HR 4.4 (933)	PID = 0	
TP-12 (1')	CL = 2.8 (80)		PID = 0	
TP-13 (0-6")	CL = 1.2 (25)		PID = 0	
TP-13 (1')	CL = 0.6 (20)		PID = 0	
TP-14 (0-6")	CL = 0.8 (20)		PID = 0	
TP-14 (1)	CL = 1.8 (41)		PID = 0	
TP-15 (0-6)	CL = 7.2 (468)	HR = 3.8 (715)	PID = 0	
TP-15 (1)	CL =		PID = 0	
TP-16 (0-6)	CL = 0.2		PID = 0	
TP-16 (1)	N/A		PID = 0	

Field notes of screenings on site during delineation.

Handwritten Notes

PROJECT MARUHARI - DEVON
SHEET NO. 2 OF 3
CALCULATED BY ____ DATE ____
CHECKED BY ____ DATE ____

SURFACE OVER PIPELINE

SS-01	LR = 7.8 (600)		PID = 0
SS-02	LR = N/A		PID = 0
SS-03	LR = 6.2 (374)		PID = 0
SS-04	LR = N/A		PID = 1
SS-05	LR = 7.0 (491)		PID = 0
TP-09	(0-6")	LR = MAX	HR = 7.6 (3,560) PID = 42
TP-09	(1')	LR = 5.4 (250)	PID = 5
TP-10	(0-6")	LR = 7.6 (605)	HR = 4.4 (933) PID = 1
TP-10	(1')	LR = 5.4 (282)	PID = 1
TP-11	(0-6")	LR = 9.6	HR = 6.4 (2,115) PID = 0
TP-11	(1')	LR = 1.6 (34)	PID = 0
TP-12	(0-6")	LR = 7.6	HR 4.4 (933) PID = 0
TP-12	(1')	LR = 2.8 (80)	PID = 0
TP-13	(0-6")	LR = 1.2 (25)	PID = 0
TP-13	(1')	LR = 0.6 (20)	PID = 0
TP-14	(0-6")	LR = 0.8 (20)	PID = 0
TP-14	(1)	LR = 1.8 (41)	PID = 0
TP-15	(0-6)	LR = 7.2 (468)	HR = 3.8 (715) PID = 0
TP-15	(1)	LR =	PID = 0
TP-16	(0-6)	LR = 0.2	PID = 0
TP-16	(1)	N/A	PID = 0

PROJECT MARUHARI - DEVON
SHEET NO. 3 OF ___
CALCULATED BY ____ DATE ____
CHECKED BY ____ DATE ____

PH-01 @ 1'		= LR = 4.8 (200)	
TP-17	(0-6)	= LR = 2.6 (71)	PID = 0
	(1)	= N/A	PID = 0
TP-18	(0-6)	= LR (0.6)	PID = 0
	(1')	= N/A	PID = 0
TP-19	(0-6)	= LR = 1 (20)	PID = 0
	(1')	N/A	PID = 0

Acknowledgement & Signature

Technician: Bob Raup **Date:** December 18, 2024

Signature: _____ **Departure Time:** _____

Environmental Remediation Field Report

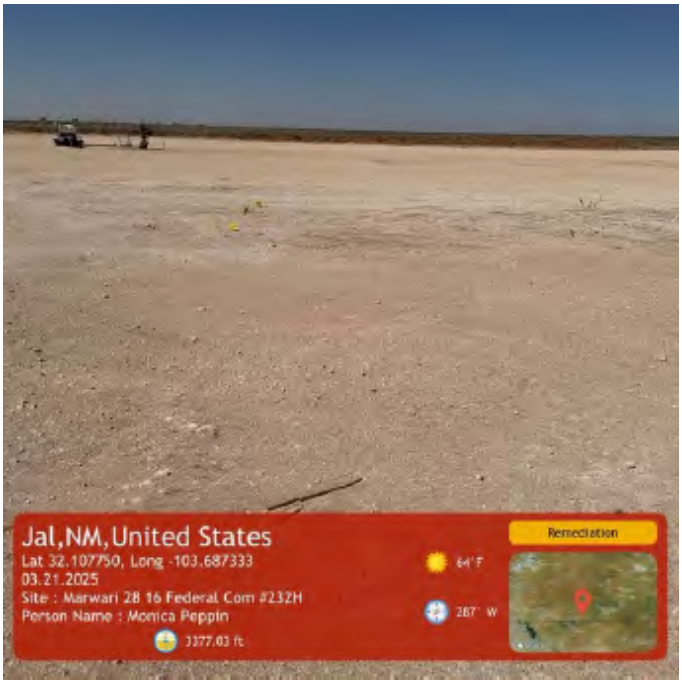
Site & Incident Information

Client:	Devon Energy	**Date:**	March 21, 2025
Site Name:	Marwari 28 16 State Federal Com #232H	**Arrival Time:**	8:30 AM
Incident ID:	nAPP2430531050	 **Photo of Lease Sign**	
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Lea County		
Lease ID:	NMLC0061859		
Facility ID/API #:	30-025-45203		
Contractor on Site: N/A			

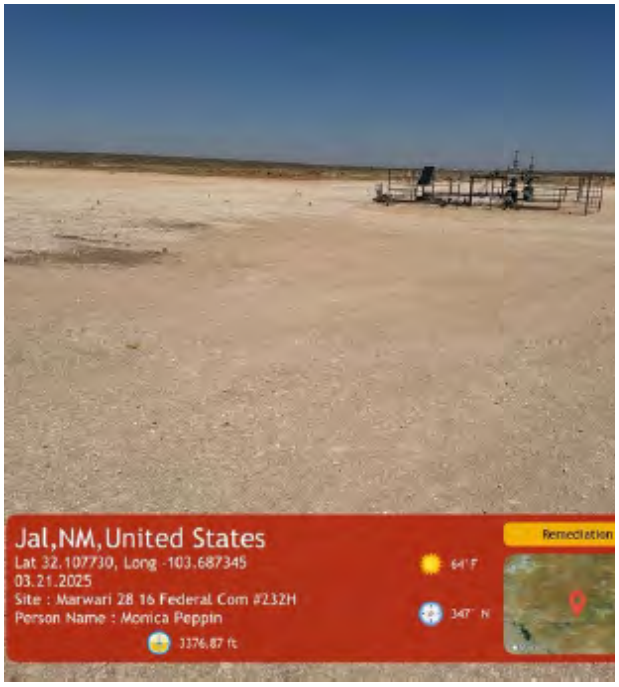
Observations and Field Notes

8:30 AM - Arrive on location and complete safety paperwork.
8:35 AM - Outline area that will need to be delineated and excavated for one call.
8:40 AM - Marked entire release area with orange paint to give outline of where equipment will break the surface of the ground.

<u>Area to be excavated showing where old flags are from previous one call from east side facing west.</u>

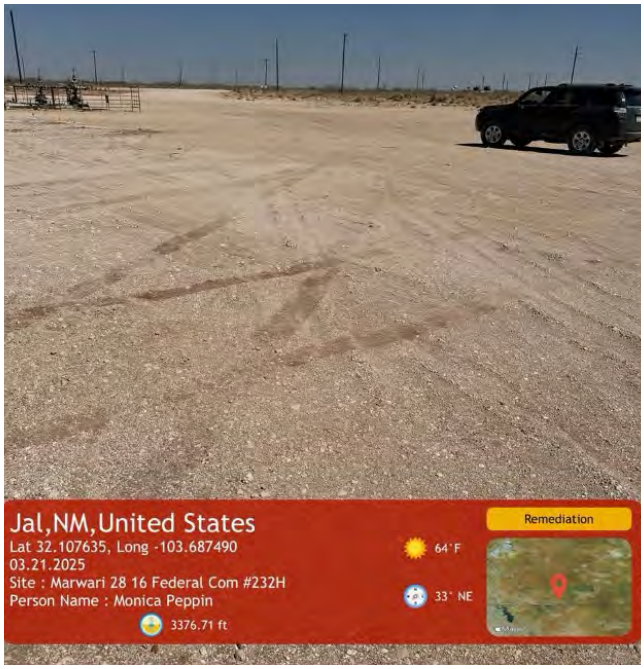


Photolog



Facing northwest viewing crew daylighting lines within area of excavation

Facing north from south end viewing area marked with paint that will be excavated



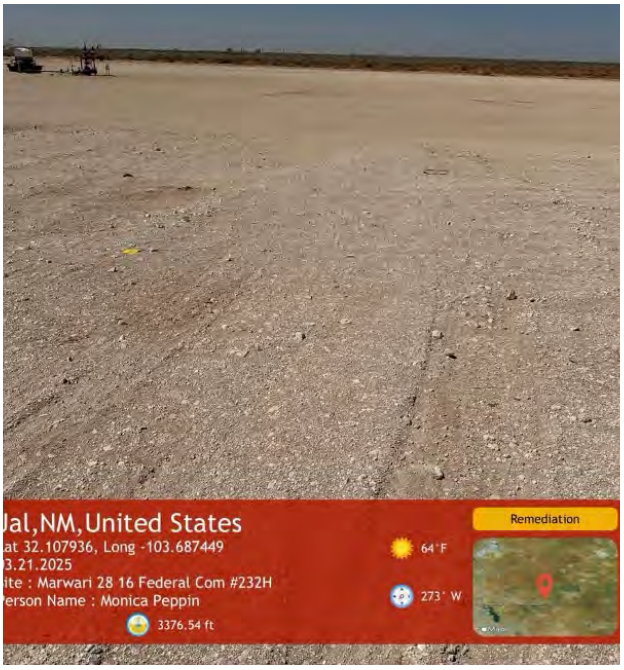
Facing northwest viewing area marked with paint to be scraped towards the west

Facing west viewing tail end of where release occurred and marked for excavation

Photolog

Facing southeast from bottom area viewing area being white-lined for one call.

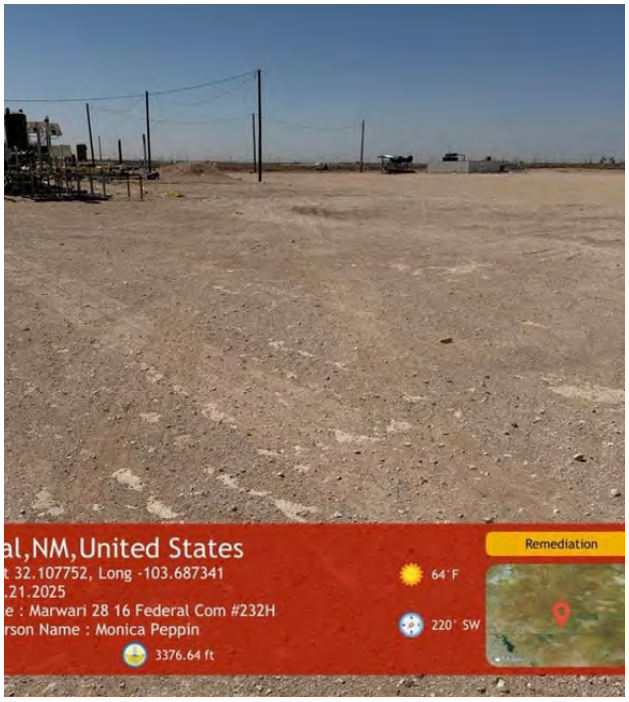
Facing east viewing area going downhill for one call.



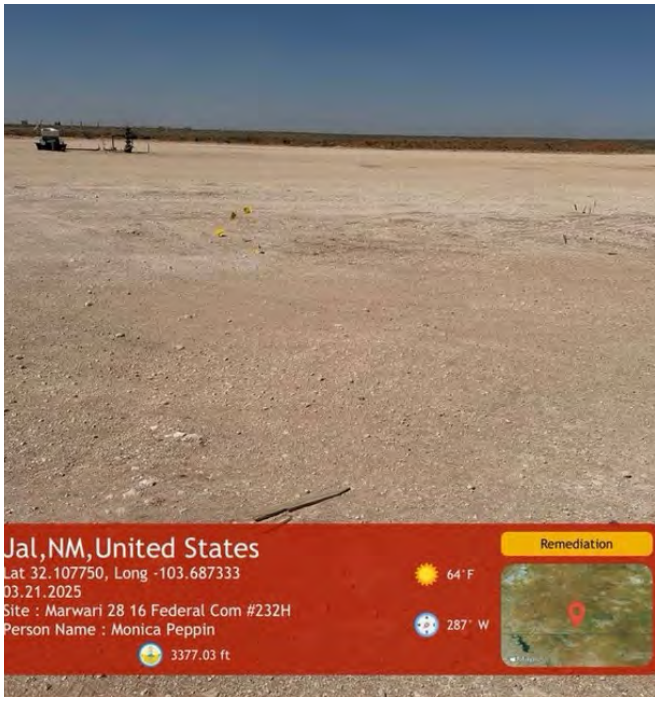
West end of release area facing west that will be marked with paint.

View of underground flow lines previously marked for one call.

Photolog



Facing southwest from top area of pad where markings for one call will be.



Area where flags were previously placed facing west from east side of pad.

Additional Notes & Recommendations

- Submit one call info to client and contractor,
- Excavation walk through
- Confirmation sampling
- Backfill
- Reporting

Acknowledgement & Signature

Technician:	Monica Peppin	**Date:**	March 21, 2025
Signature:		**Departure Time:**	12:30 PM

Environmental Remediation Field Report

Site & Incident Information

Client:	Devon Energy	**Date:**	April 8, 2025
Site Name:	Marwari 28 16 State Federal Com #232H	**Arrival Time:**	8:30 AM
Incident ID:	nAPP2430531050		**Photo of Lease Sign**
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Lea County		
Lease ID:	NMLC0061859		
Facility ID/API #:	30-025-45203		
Contractor on Site: Tristar			

Observations and Field Notes

8:30 AM - arrive on site and complete JHA meet up with contractor that will be completing excavation and discuss game plan.
8:45 AM - mark excavation area and review area with contractor after tailgate safety meeting, paint the area of additional delineation and wait on Hydro vac to arrive on site
9:15 AM - set up, sampling supplies to complete field screening on samples, begin taking photos of area and mapping out an estimate excavation area to get an idea of square footage for a number of confirmation samples
11:13 AM - daylighting marked lines revealed an electrical line 22 inch lines a 6 inch line and 8 inch line. Hydro vac completed one spot where excavation would be to 1 foot below ground surface to the nearest point located by the lines.
11:15 AM - completing bucket wide spot of excavation down to 1 foot and testing additional tests to be completed as well
12:30 PM - to test pits, mapped and samples collected at 2 foot BGS and 4 foot BGS to confirm vertical delineation
12:47 PM - Let contractor complete remaining scrape of the area. Samples will be collected around base and walls of the remediated area the 1 foot area of excavation is less than 200 ft.^{2} but one wall sample and one base sample will be collected to confirm it does not need to be dug out any further

Photolog

Facing northwest viewing crew daylighting lines within area of excavation

Facing north from south end viewing area marked with paint that will be excavated

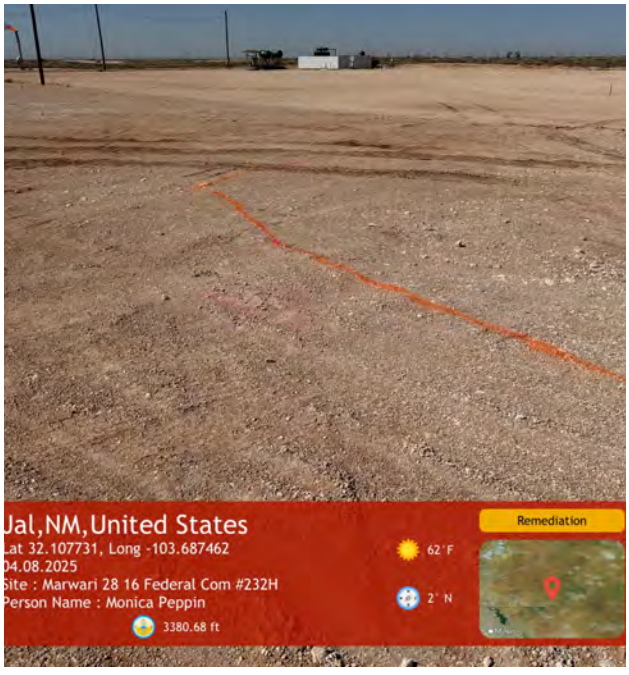
Facing northwest viewing area marked with paint to be scraped towards the west

Facing west viewing tail end of where release occurred and marked for excavation

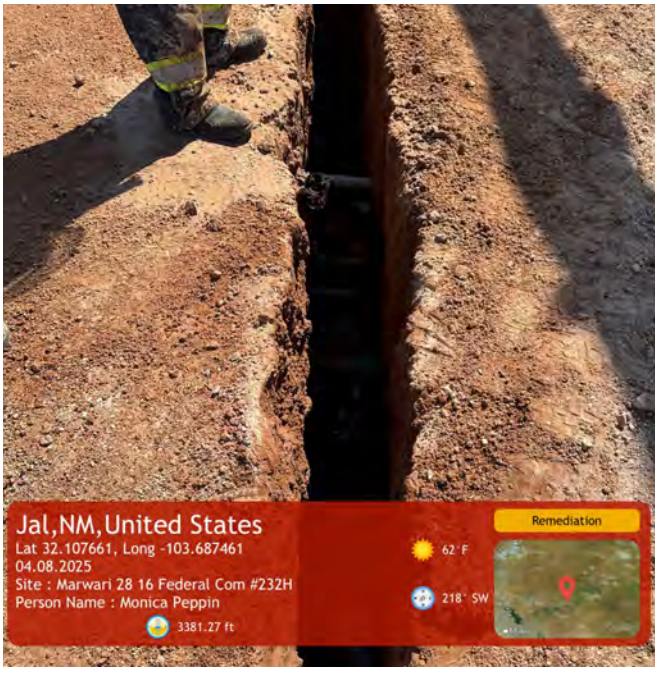
Photolog

Facing southeast showing area to be excavated down 0.25'

Facing east viewing excavation area towards hydrovac crew



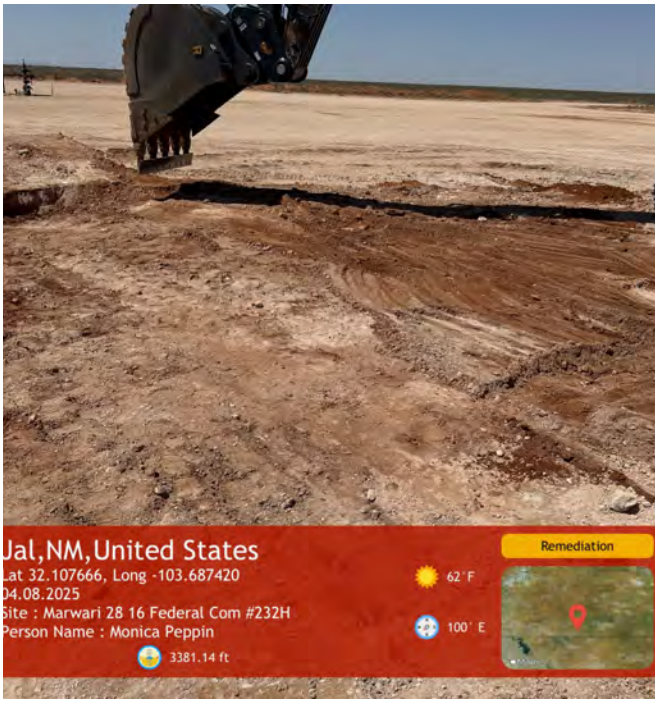
West end of release area facing southwest marked with paint



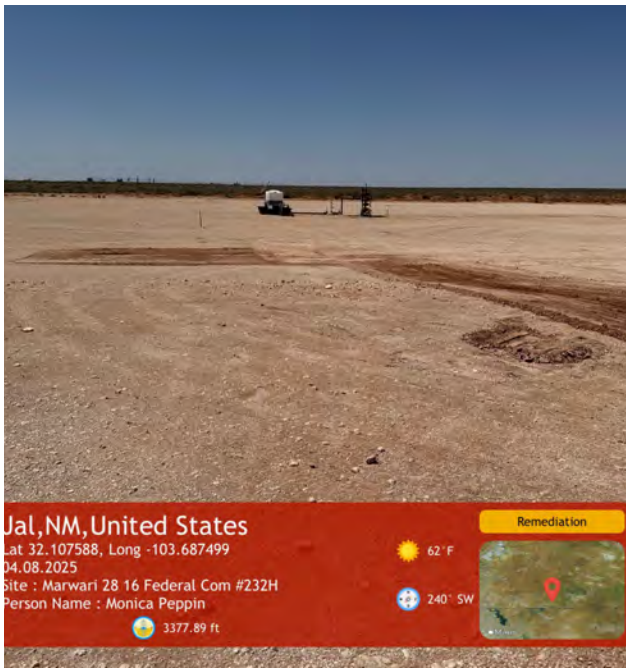
View of underground flowlines and electrical exposed for one call

Photolog

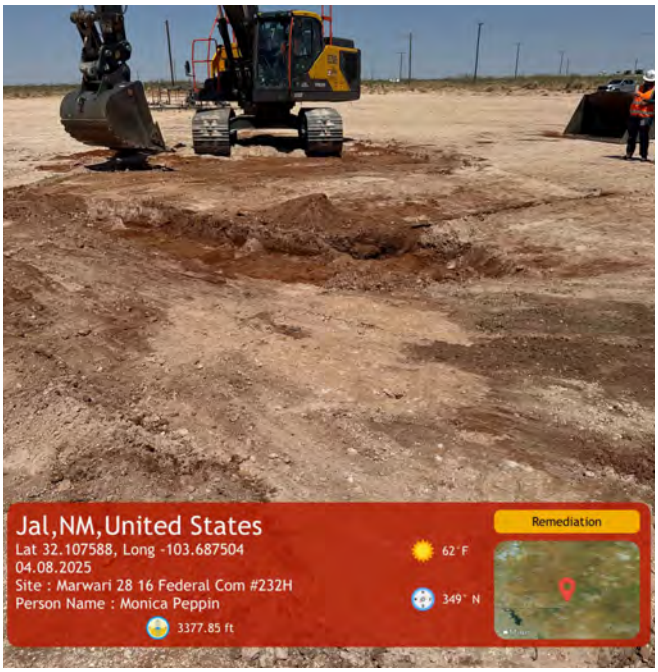
Facing north viewing trackhoe scraping out 0.25' off the pad area.



Excavation area facing northwest of the 0.25' scrape.



West/northwest view of tail end of release area excavated 0.25'.



Trackhoe prepping to excavation spot of 1 ft bgs.

Photolog

West view from east side of excavation area completed.

Northern end of excavation area facing west from east side.

West/southwest view from east side of excavation area.

Additional Notes & Recommendations

- Send all confirmation samples to lab for analysis
- Complete backend of project to finish drafting closure report
- Backfill excavation
- Draft, review, and submit closure report to client
- Report submission to regulatory agencies and standby for confirmation of approval of remediation and closure report

Acknowledgement & Signature

Technician: Monica Peppin **Date:** April 8, 2025

Signature: **Departure Time:** 12:30 PM

APPENDIX D
CORRESPONDENCE

Outlook

KLJ Sampling Notification - Marwari 28 16 State Federal Com #232H

From Bob Raup <Bob.Raup@kljeng.com>
Date Sun 2024-12-15 3:01 PM
To Raley, Jim <Jim.Raley@dvn.com>
Cc Tom Naas <Tom.Naas@kljeng.com>; Will Harmon <will.harmon@kljeng.com>

Jim,

KLJ, on behalf of Devon, anticipates conducting soil sampling activities at the following site on December 18th, 2024:

Proposed Date: December 18th, 2024
Proposed Time Frame: 0800 – 1700 hrs.
Site Name: Marwari 28 16 State Federal Com #232H
Incident Number: Napp2430531050

Below is the following information that will be added in the NMOCD website:

Sampling surface area:	3,000 ft2
Estimated number of samples that will be gathered:	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/18/2024
Time sampling will commence:	0800 am
Contact information:	Please contact Bob Raup at 701-310-5194 with any questions
Navigation to sampling site:	Travelling S. on Orla Road (J-1), turn right onto Monsanto Lane. Travel 0.1 miles and turn left. Travel for 0.9 miles then turn right. Travel 0.7 miles then turn left for approximately 0.3 miles and site will be on the right.

Robert W. Raup II
701-310-5194 Mobile
400 Inverness Pkwy Ste 150
Englewood, CO 80112
KLJ
kljeng.com

Outlook

FW: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

From Will Harmon <will.harmon@kljeng.com>
Date Mon 2025-05-12 1:46 PM
To Monica Peppin <Monica.Peppin@kljeng.com>

Hi Monica,

Please see below for the first Marwari extension request.

Thank you,

Will Harmon, P.G. (WY)
Environmental Specialist / Project Manager

970-450-7472 - Office
501-516-1481 - Cell
1601 Riverfront Drive, Suite 204
Grand Junction, CO 81501
kljeng.com

From: Will Harmon
Sent: Tuesday, January 21, 2025 11:01 AM
To: Bob Raup <Bob.Raup@kljeng.com>
Subject: RE: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

Once we get a game plan together for the Marwari map and next investigation steps (meeting tomorrow), I'll reach out to Jim to set a meeting.

Thank you,

Will Harmon, P.G. (WY)
Environmental Specialist / Project Manager

970-450-7472 - Office
501-516-1481 - Cell
1601 Riverfront Drive, Suite 204
Grand Junction, CO 81501
kljeng.com

From: Will Harmon
Sent: Tuesday, January 21, 2025 10:58 AM
To: Bob Raup <Bob.Raup@kljeng.com>
Subject: RE: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

Great, thanks for the update.

Will Harmon, P.G. (WY)
Environmental Specialist / Project Manager

970-450-7472 - Office
501-516-1481 - Cell
1601 Riverfront Drive, Suite 204
Grand Junction, CO 81501
kljeng.com

From: Bob Raup <Bob.Raup@kljeng.com>
Sent: Tuesday, January 21, 2025 10:41 AM
To: Will Harmon <will.harmon@kljeng.com>
Subject: FW: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

Fyi….extension approved for Marwari.

Robert W. Raup II
701-310-5194 Mobile
400 Inverness Pkwy Ste 150
Englewood, CO 80112
kljeng.com

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Tuesday, January 21, 2025 10:40 AM
To: Raley, Jim <jim.raley@dvn.com>; Bob Raup <Bob.Raup@kljeng.com>
Subject: RE: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

Your time extension request is approved. Remediation Due date has been updated to April 21, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, January 21, 2025 10:30 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Tuesday, January 21, 2025 10:26 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Bob Raup <Bob.Raup@kljeng.com>
Subject: [EXTERNAL] Devon Energy Extension Request - nAPP2430531050

NMOCD District II,
Devon Energy would like to request a 90 day extension for incident nAPP2430531050 (MARWARI 28 16 STATE FEDERAL COM #232H).

This was a flowline leak of approx. 5 bbls to pad surface. Due to the incident proximity to active underground flowlines, caution and planning is required to complete the remediation. Additional time is required to coordinate with production and allow for safe excavation of any impacted soils related to this incident.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

Outlook

RE: [EXTERNAL] nAPP2430531050 Marwari 232H Extension Request - Devon Energy

From Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Date Thu 2025-04-17 3:17 PM
To Monica Peppin <Monica.Peppin@kljeng.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc Raley, Jim <jim.raley@dvn.com>; Will Harmon <will.harmon@kljeng.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Good afternoon, Ms. Peppin

Your request for a remediation closure report extension is approved for 30-days, for Marwari 28 16 State Federal Com #232H, Incident ID NAPP2430531050 . Please submit the report to OCD no later than 05/21/2025. Please keep a copy of this approval for your records and include it with the closure report when it is submitted.

Thank you,

Mike Buchanan ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Ave NE, Suite B | Albuquerque, NM 87113
505.490.0798 | michael.buchanan@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Monica Peppin <Monica.Peppin@kljeng.com>
Sent: Thursday, April 17, 2025 2:15 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>; Will Harmon <will.harmon@kljeng.com>
Subject: [EXTERNAL] nAPP2430531050 Marwari 232H Extension Request - Devon Energy

To EMNRD-OCD Team:

KLJ on behalf of Devon Energy would like to respectfully request an additional 30-day extension for the closure report associated with Devon Energy's site, Marwari 28 16 State Federal Com #232H, Incident ID NAPP2430531050, which occurred on October 30, 2025, and is currently due on April 21, 2025.

At this time, we are awaiting final laboratory analysis results from confirmation sampling and require additional time to complete and submit the closure documentation in accordance with OCD requirements. We anticipate providing the finalized report no later than May 21, 2025.

Thank you for your time and consideration.

Monica Peppin

Monica Peppin, A.S.
Environmental Specialist II

575-213-9010 Direct
575-909-3418 Cell
Carlsbad, NM 88220
kljeng.com

Book time to meet with me

Outlook

Re: [EXTERNAL] Marwari 28-16 State Federal Com #232H Confirmation Sampling Notification

From Raley, Jim <Jim.Raley@dvn.com>
Date Thu 2025-04-03 7:30 PM
To Monica Peppin <Monica.Peppin@kljeng.com>
Cc Will Harmon <will.harmon@kljeng.com>

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Submitted 3/3/2025

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Monica Peppin <Monica.Peppin@kljeng.com>
Date: Thursday, April 3, 2025 at 5:47 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Will Harmon <will.harmon@kljeng.com>
Subject: [EXTERNAL] Marwari 28-16 State Federal Com #232H Confirmation Sampling Notification

Jim,

Below is the sample notification for Marwari. I will start sampling Tuesday 4.8.25 and should be done within the same day but may not hurt to extend notice until Friday 4.11.25 to give me sufficient time to properly collect and map all of the samples and excavation. Let me know if you need anything else.

Thank you,

MP

Sampling Event General Information	
Incident ID and Site Name:	nAPP2430531050 Marwari 28 16 State Federal Com #232H
API and Corresponding Agency:	30-025-45203

Question	Answer (Fill In)
What is the sampling surface area in square feet (+/-)	**Approximately 2,417 square feet (Possibly less)**
What is the estimated number of samples that will be gathered	15-Dec
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	4.8 - 4.11
Time sampling will commence	8:00 AM - 5:00 PM
Please provide any information necessary for observers to contact sampler(s): Name and number	Monica Peppin 575.909.3418
Please provide any information necessary for navigation to sampling site with Coordinates (Lat/Long): (Use one call directions)	Intersection of C1 and Monsanto Lane travel west on monsanto for 0.65 miles, turn left on lease road travel south for 1.10 miles, turn right travel west for 0.29 miles, turn left onto lease traveling south for 0.06 miles, arrive on location 32.10811, -103.68731

Monica Peppin, A.S.
Environmental Specialist II
KLJ
575-213-9010 Direct
575-909-3418 Cell
Carlsbad, NM 88220
kljeng.com

Image removed by sender. Book time to meet with me

Outlook

RE: [EXTERNAL] nAPP2430531050 - Marwari 28 16 State Federal Com #232H Sampling Notification

From Raley, Jim <Jim.Raley@dvn.com>
Date Tue 2025-04-29 3:01 PM
To Monica Peppin <Monica.Peppin@kljeng.com>
Cc Will Harmon <will.harmon@kljeng.com>

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Submitted 4/29/2025

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Monica Peppin <Monica.Peppin@kljeng.com>
Sent: Tuesday, April 29, 2025 1:50 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Will Harmon <will.harmon@kljeng.com>
Subject: [EXTERNAL] nAPP2430531050 - Marwari 28 16 State Federal Com #232H Sampling Notification

Jim,

Here is the sample notification to recollect the two samples that were above criteria threshold. As we discussed, I will go out and recollect the samples and submit to the lab with either a next day or two-day rush.

Sampling Event General Information	
Incident ID and Site Name:	nAPP2430531050 Marwari 28 16 State Federal Com #232H
API and Corresponding Agency:	30-025-45203
Question	**Answer (Fill In)**
What is the sampling surface area in square feet (+/-)	**2500 sq ft**
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	5/2/2025
Time sampling will commence	1:00 PM - 2:00 PM
Please provide any information necessary for observers to contact sampler(s): Name and number	Monica Peppin 575.909.3418
Please provide any information necessary for navigation to sampling site with Coordinates (Lat/Long): (Use one call directions)	Intersection of C1 and Monsanto Lane travel west on monsanto for 0.65 miles, turn left on lease road travel south for 1.10 miles, turn right travel west for 0.29 miles, turn left onto lease traveling south for 0.06 miles, arrive on location 32.10811, -103.68731

If you have any questions or concerns, just let me know.

Thank you,
MP

Monica Peppin, A.S.

Environmental Specialist II

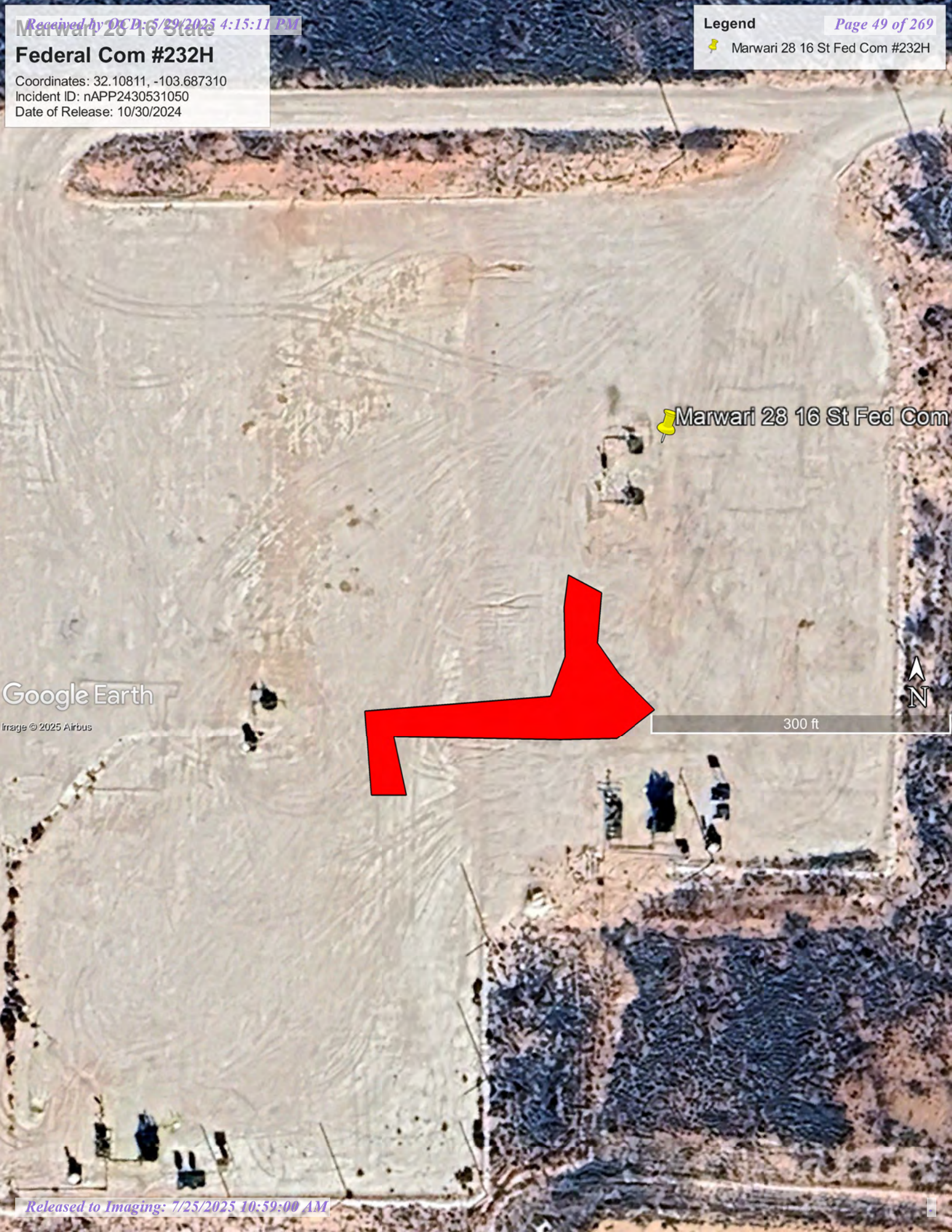
575-213-9010 Direct
575-909-3418 Cell
Carlsbad, NM 88220
kljeng.com

Book time to meet with me

APPENDIX E
CLOSURE CRITERIA RESEARCH

Marwari 28 16 State Federal Com #232H

Coordinates: 32.10811, -103.687310
Incident ID: nAPP2430531050
Date of Release: 10/30/2024



Marwari 28 16 State Federal #232H

Depth to Groundwater - 0.5-mile Radius Pod Search

3/3/2025, 4:22:52 PM

GIS WATERS PODs
Active
Plugged

Both Estates
NHD Flowlines
Stream River

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Online web user

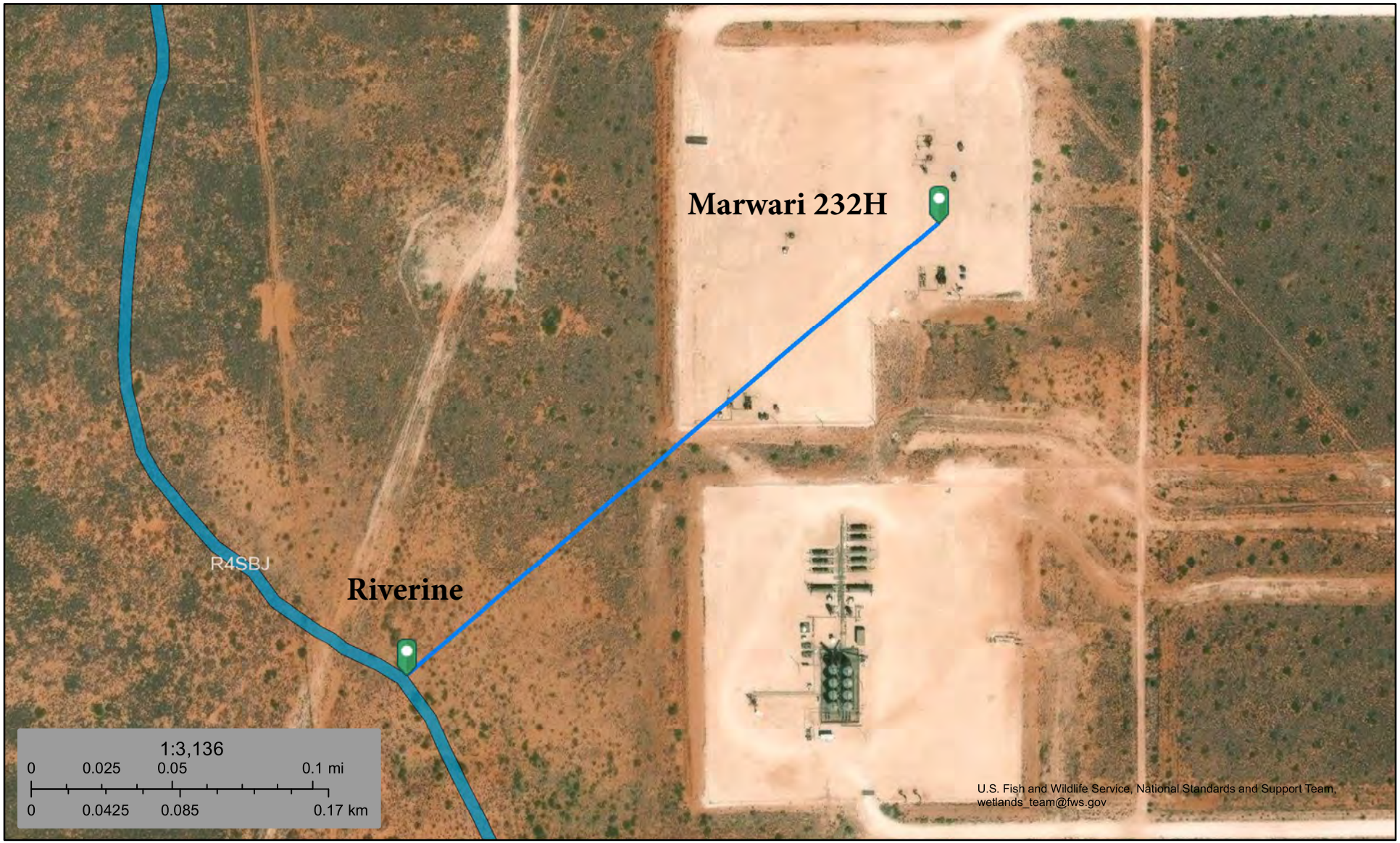
Nearest Pod
C-04879-Pod1
Distance
0.19 miles/979 feet
Pod Type
Exploratory
DTGW
> 55 ft bgs

1:18,307
0 0.13 0.25 0.5 mi
0 0.2 0.4 0.8 km

U.S. Fish and Wildlife Service
National Wetlands Inventory

Marwari 28 16 State Federal Com #232H

Nearest Significant Watercourse: Riverine
Distance: 0.21 miles/1,133 feet



March 5, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

Marwari 28 16 State Federal Com #232H

Nearest Playa Lake Distance: 7.76 miles/40,946 feet

March 5, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

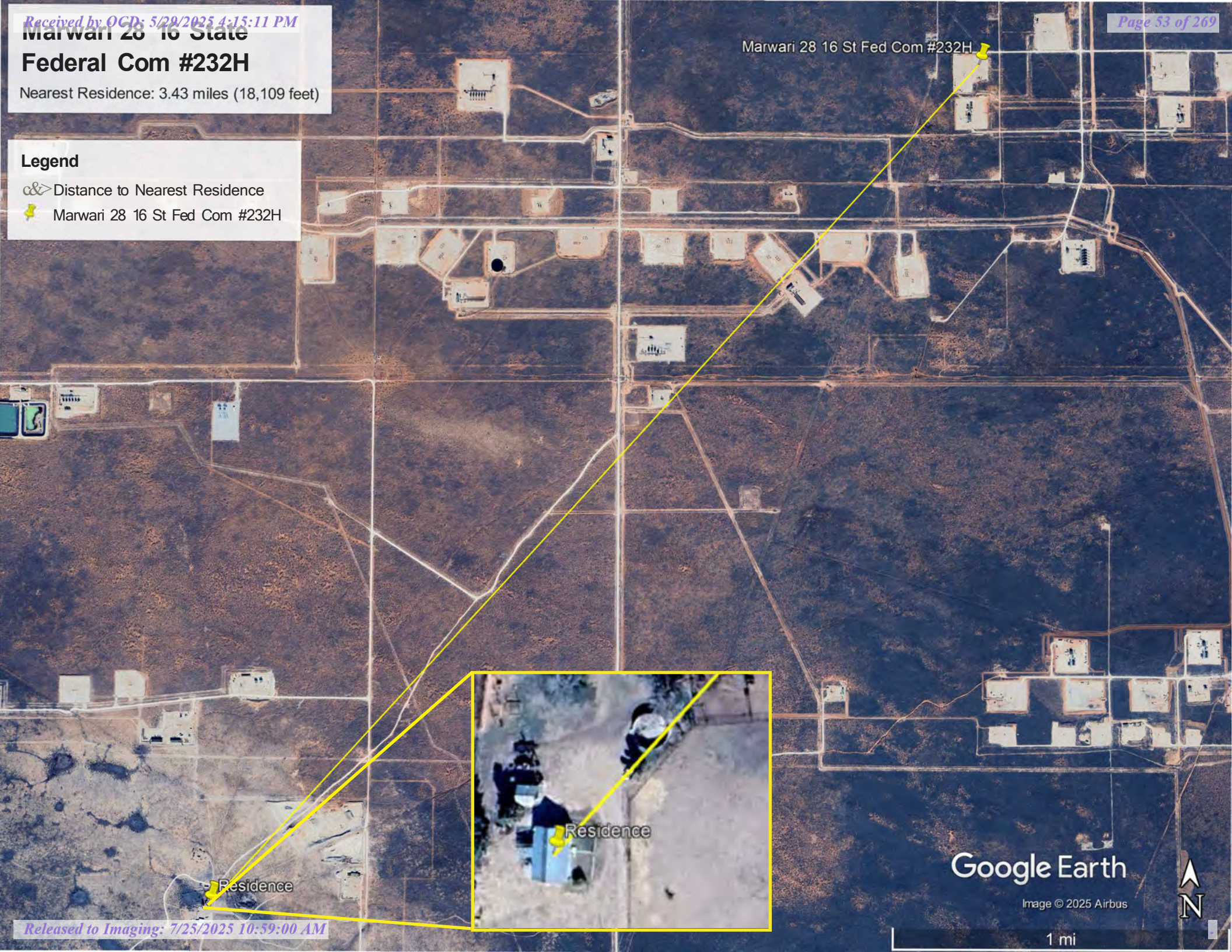
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Marwari 28 16 State Federal Com #232H

Nearest Residence: 3.43 miles (18,109 feet)

Legend

- Distance to Nearest Residence
- Marwari 28 16 St Fed Com #232H



Marwari 28 16 St Fed Com #232H

Nearest Domestic Well

3/5/2025, 9:54:28 AM

Override 1

GIS WATERS PODs

Active

Pending

Plugged

OSE District Boundary

1:69,566

0 0.5 1 2 mi

0 0.75 1.5 3 km

Esri. HERE. Garmin. Esri. HERE. Earthstar Geographies

Online web user

Nearest Pod

C-04209-Pod1

Distance

3.38 miles/17,855 feet

Pod Type

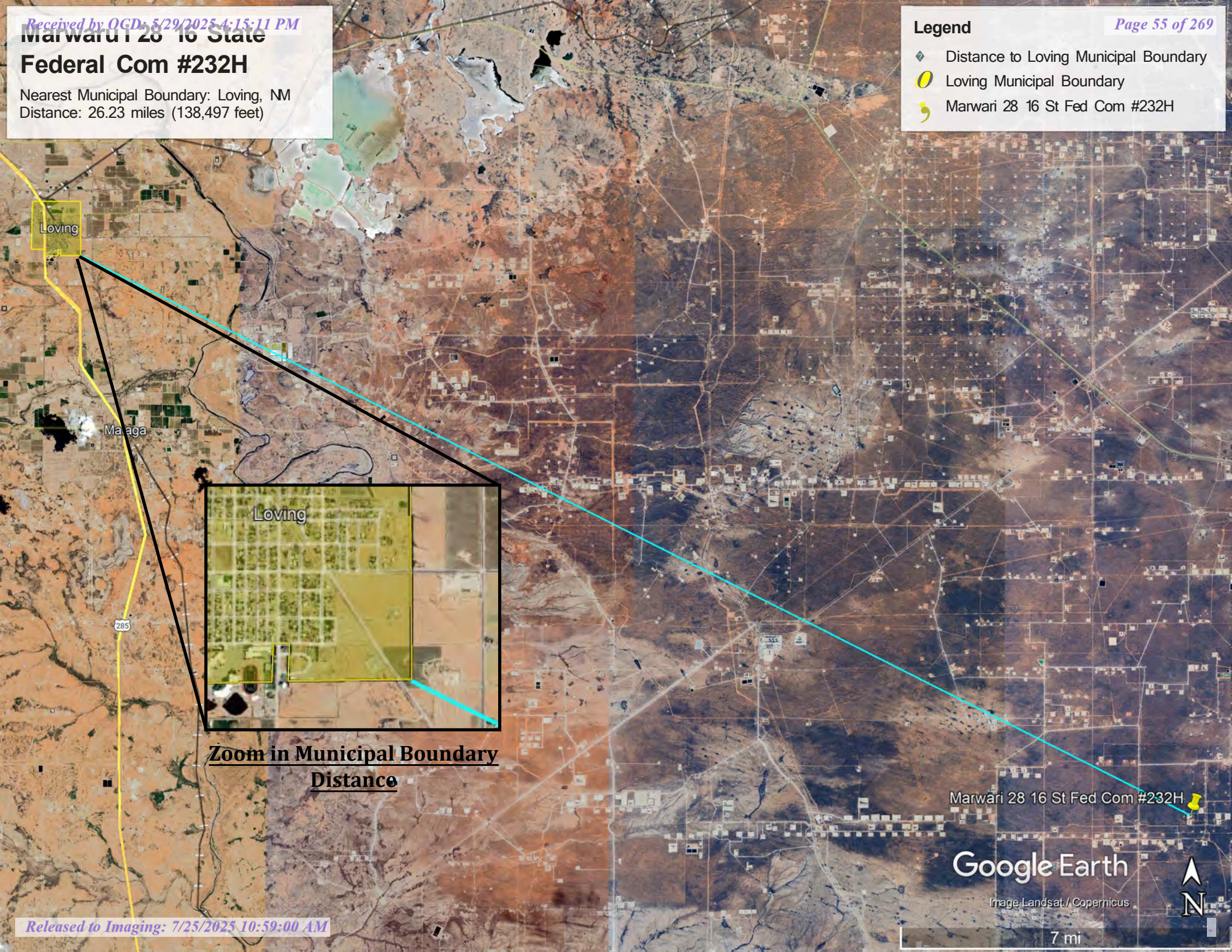
Domestic One Household

Marwari 28 16 State Federal Com #232H

Nearest Municipal Boundary: Loving, NM
Distance: 26.23 miles (138,497 feet)

Legend

- Distance to Loving Municipal Boundary
- Loving Municipal Boundary
- Marwari 28 16 St Fed Com #232H

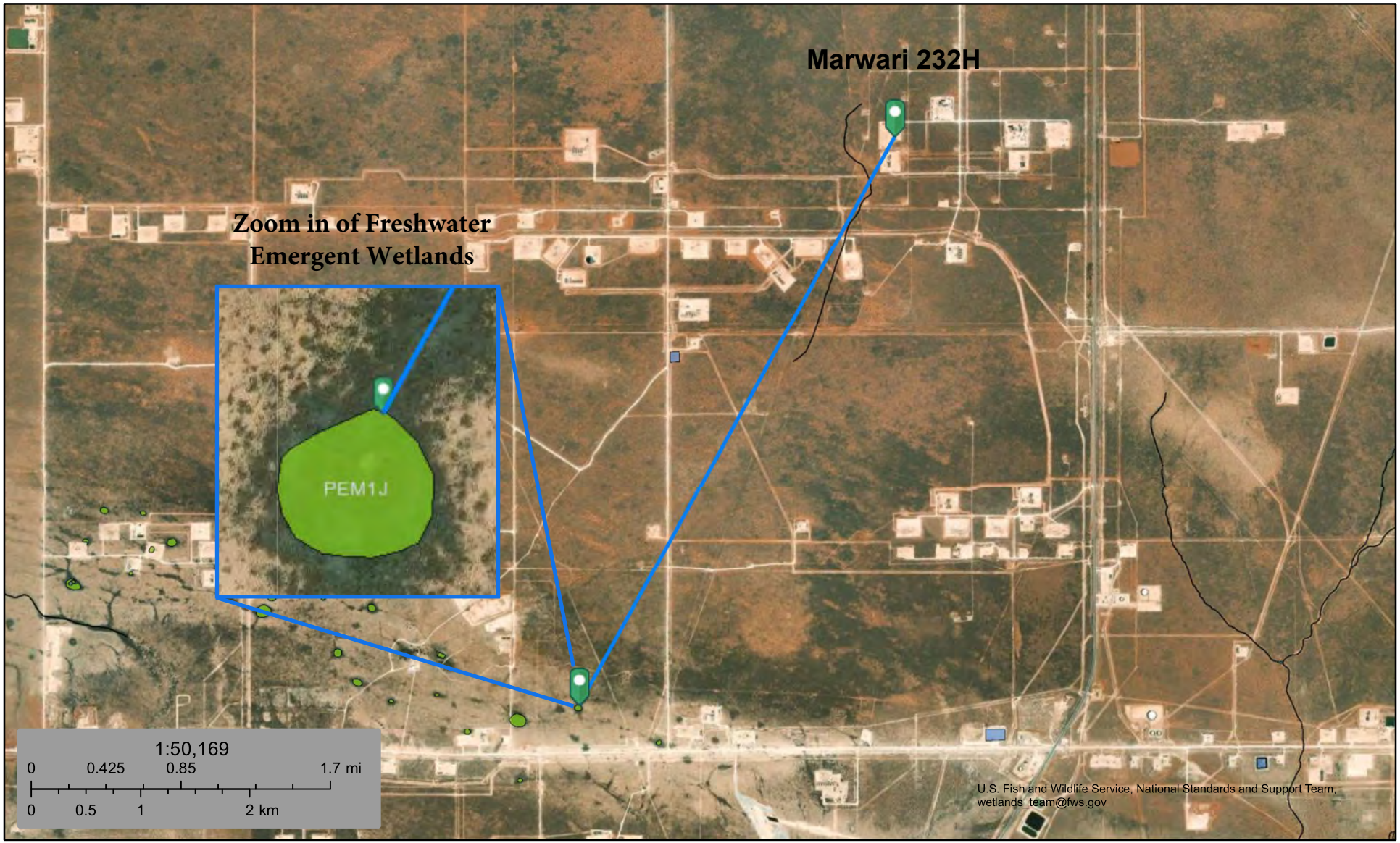


Zoom in Municipal Boundary Distance

U.S. Fish and Wildlife Service
National Wetlands Inventory

Marwari 28 16 State Federal Com #232H

Nearest Wetlands: Freshwater Emergent Wetland
Distance: 3.13 miles/16,511 feet



March 5, 2025

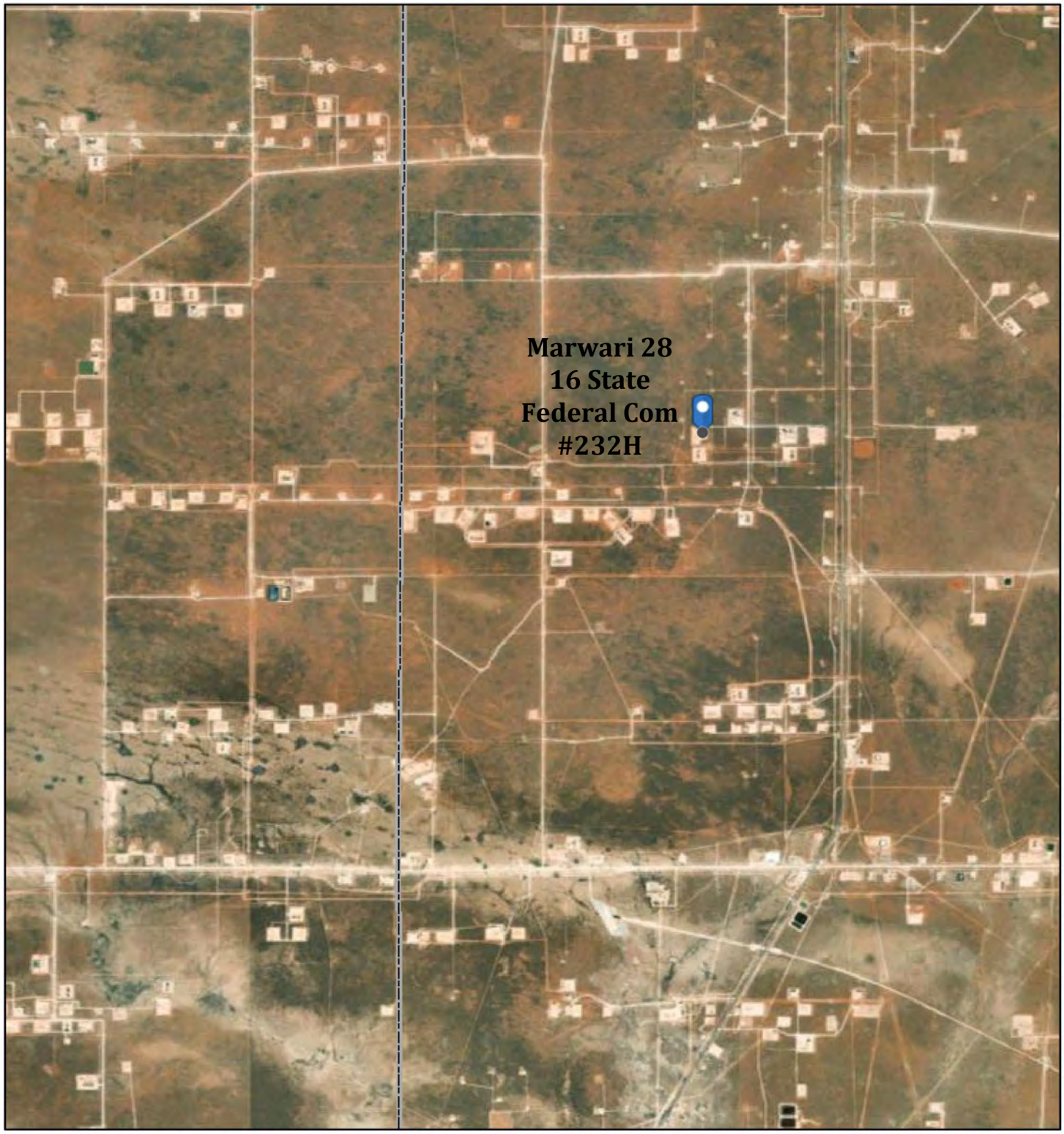
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Marwari 232H Subsurface Mines Map



3/5/2025, 11:03:58 AM

- Mining_Ghost_Towns
- Counties
- REE_Districts
- Fe skarn, carbonate-hosted Pb-Zn
- REE-Th-U veins, fluorite veins

No Subsurface Features within 5 Mile Proximity

1:72,224

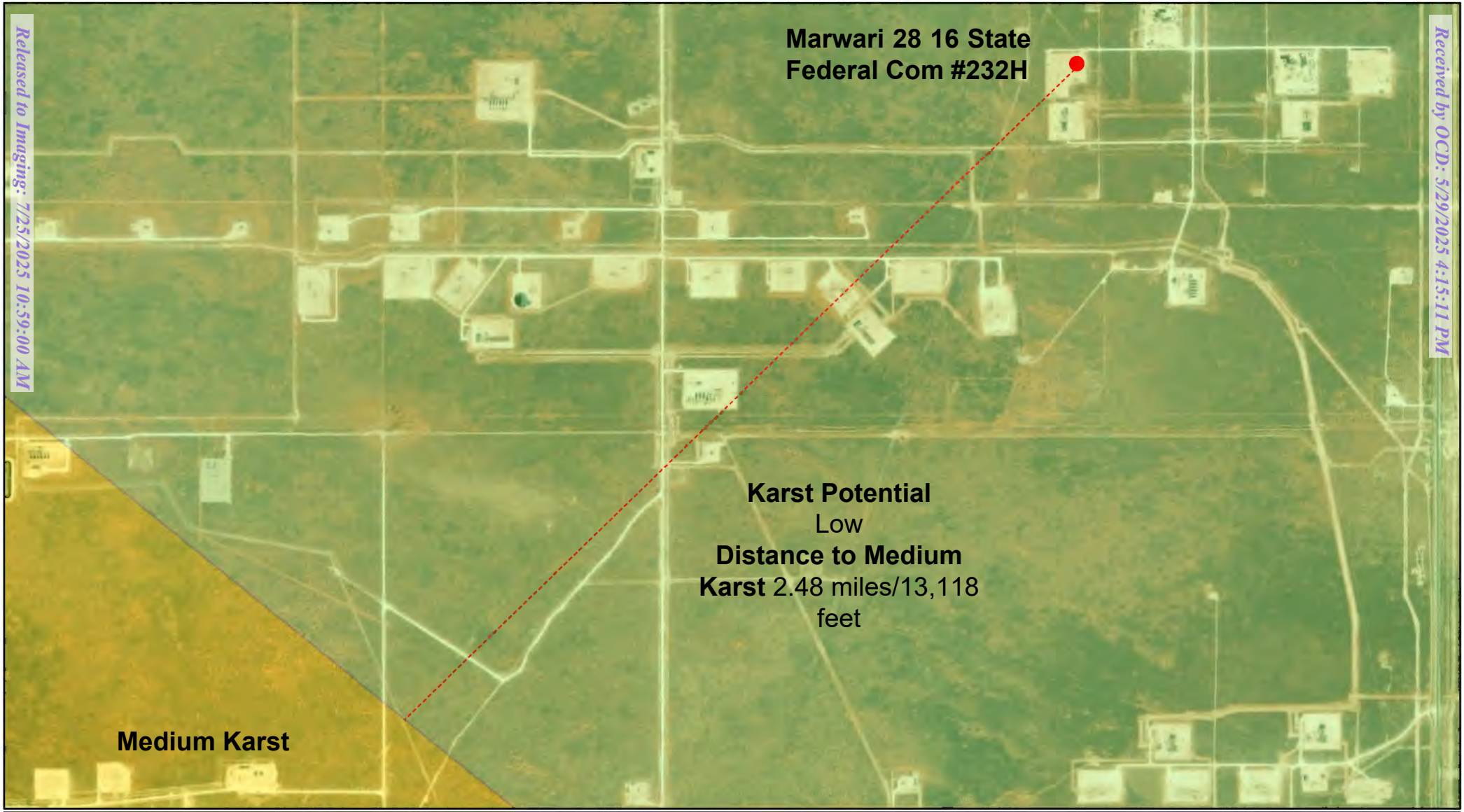
0 0.5 1 2 mi

0 0.75 1.5 3km

New Mexico Bureau of Geology and Mineral Resources, New Mexico Bureau of Geology & Mineral Resources. Earthstar Geographies. NMBGMR

ArcGIS Web AppBuilder

New Mexico Bureau of Land Management | New Mexico Bureau of Geology and Mineral Resources | New Mexico Bureau of Geology & Mineral Resources |



Marwari #232H Karst Potential

0 0.15 0.3 0.6 mi

N

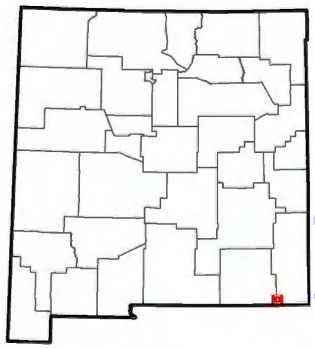
New Mexico State Land Office

Disclaimer:
The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

Map Created: 3/5/2025

User drawn lines
User drawn points
Karst_Potential_NM
Potential
High
Medium
Low
Critical_Karst_Zone_NM



National Flood Hazard Layer FIRMette

FEMA

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 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 3/5/2025 at 5:57 PM 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.

BasemapImagerySource: USGS NationalMap2023

Marwari 28 16 State Federal Com #232H

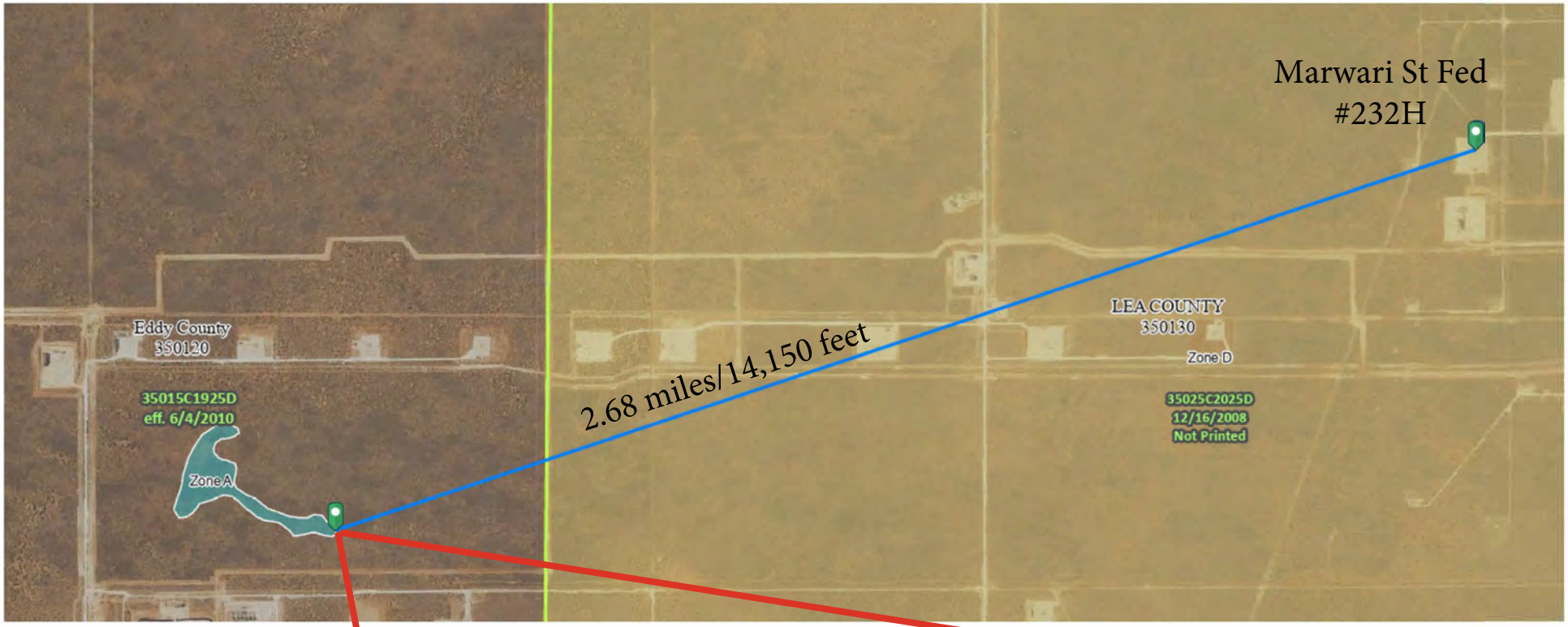
FEMA Distance to Nearest Flood zone Area

Nearest Flood zone

Zone A

Distance

2.68 miles/14,150 feet



Zoom in of distance to flood zone A

Soil Map—Lea County, New Mexico

Marwari 28 16 State Federal Com #232H

Map Scale: 1:1,150 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

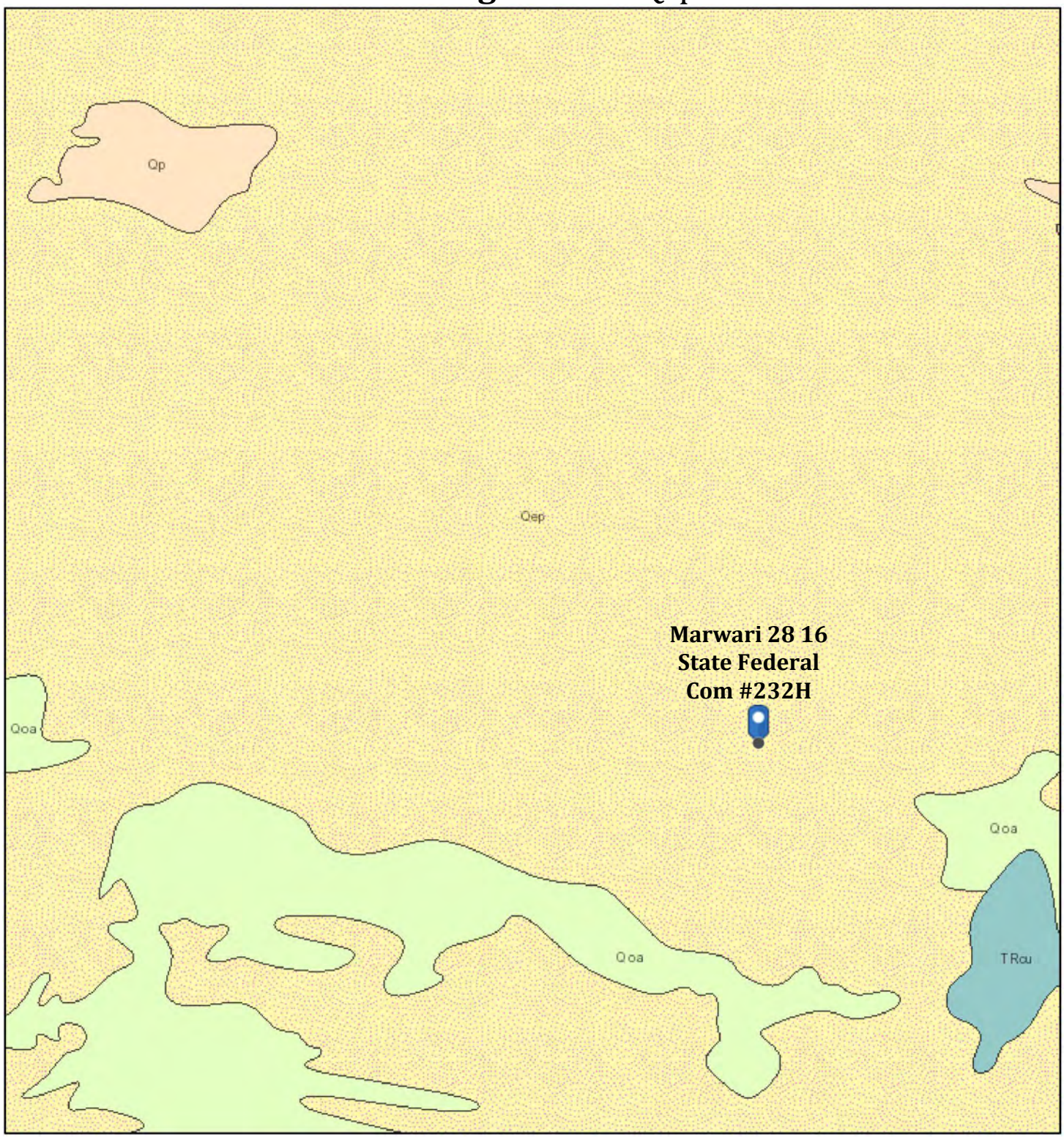
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PT	Pyote loamy fine sand	4.7	100.0%
Totals for Area of Interest		**4.7**	**100.0%**

Marwari 28 16 State Federal Com #232H Geological Map

Lithological Unit - Qep



3/5/2025, 10:59:52 AM

1:144,448

0 1 2 4 mi
0 1.5 3 6 km

Lithologic Units

- Playa-Alluvium and evaporite deposits (Holocene)
- Water-Perenial standing water
- Qa-Alluvium (Holocene to upper Pleistocene)

Earthstar Geographies. NMBGMR

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4879-POD1

Name of well owner: DEVON ENERGY

Mailing address: 205 E BENDER #150 County: LEA

City: HOBBS State: NM Zip code: 88240

Phone number: 575-748-1838 E-mail: DALE.WOODALL@DVN.COM

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Coffey Drilling

New Mexico Well Driller License No.: 1839 Expiration Date: April 22, 2026

IV. WELL INFORMATION: ☐ **Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.**

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 06 min, 19.0 sec
Longitude: 103 deg, 41 min, 18.2 sec, NAD 83

2) Reason(s) for plugging well(s):

purpose is to prove Groundwater to a depth of greater than 52', the planned depth is 52' BGs. The Borehole will remain open for 72 Hours. an electronic meauring tape will be used to determine if the bore hole is wet or dry. ground water if any will be reported to NMOSE and the bore hole will be plugged per the plan

3) Was well used for any type of monitoring program? NO If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? NA If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: _____ feet below land surface / feet above land surface (circle one)

6) Depth of the well: Approx.52' feet

OSE DII ROSWELL NM
AUG 16 2024 AM 11:18

7) Inside diameter of innermost casing: 2 3/8 inches.

8) Casing material: SCH 40 PVC

9) The well was constructed with:

☐ an open-hole production interval, state the open interval: _____

☒ a well screen or perforated pipe, state the screened interval(s): Screen at Approx. 47'-52'

10) What annular interval surrounding the artesian casing of this well is cement-grouted? NA

11) Was the well built with surface casing? no If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? NA If yes, please describe:

NA

12) Has all pumping equipment and associated piping been removed from the well? NA If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

☐ **If plugging method differs between multiple wells on same site, a separate form must be completed for each method.**

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

If Water is Found, Driller will use High solids Bentonite Grout with mixing ratios to attain 20% active solids by weight or Neat Type I/II placed bottom to top using Tremmie. If hole is dry, Cuttings will be used to backfill to 20' BLS and bentonite chips Hydrated at 5 gallons per sack hole plug, from 20' to surface

2) Will well head be cut-off below land surface after plugging? Yes

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 77

4) Type of Cement proposed: Neat cement Type I/II

5) Proposed cement grout mix: 6 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____ batch-mixed and delivered to the site

x mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

None

8) Additional notes and calculations:

None

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

None

VIII. SIGNATURE:

I, DALE WOODALL, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 8-13-24

OSE DII ROSWELL NM
AUG 16 2024 AM 11:18

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

X Approved subject to the attached conditions.
____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 21st day of August, 2024

Elizabeth K. Anderson, P.E.
_____., New Mexico State Engineer

By: K. Parekh
Kashyap Parekh
Water Resources Manager I

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	52' to ground surface		
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	77 gallons Fresh water. 4.5 SKS quick grout. Mixing ratio of one 50 LB sack per 24 gallons water to create 20% active solids		
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)	Baroid Quick grout		

OSE DII ROSWELL NM
AUG 16 2024 AM 11:1

Office of the State Engineer
State of New Mexico

DISTRICT 2 OFFICE

1900 West Second St.
Roswell, New Mexico 88201
. Phone: (575) 622-6521
Fax: (575) 623- 8559

Applicant has identified a well, listed below, to be plugged. Coffey Drilling (WD-1839) will perform the plugging.

Permittee: Devon Energy
NMOSE Permit Number: C-4879-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4879-POD1	2.0	52.0	Unknown	32° 6' 19.0"	103° 41' 18.2''

Specific Plugging Conditions of Approval for Well located in Lea County.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. Ground Water encountered: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 77.0 gallons. The total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 102 feet.

3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 1.63 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.

4. Ground Water encountered: Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for plugging the well.

5. Dry Hole: (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Hydrated bentonite. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

6. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.

7. Should cement "shrinks-back" occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 4. and 5. of these Specific Conditions of Approval.

8. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.

9. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

10. NMOSE witnessing the plugging of the soil boring will not be required.

11. Any deviation from this plan must obtain an approved variance from this office prior to implementation.

12. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 21st day of August 2024

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I

MICHELLE LUJAN GRISHAM
GOVERNOR

ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

State of New Mexico
Office of the State Engineer

DISTRICT 2 OFFICE

August 21, 2024

Devon Energy
205 E. Bender, Suite 150
Hobbs, NM 88240

RE: Well Plugging Plan of Operations for well No. C-4879-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,

K. Parekh

Kashyap Parekh
Water Resources Manager I

File No. C-4879

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

Purpose:

- ☒ Exploratory Well*(Pump test)
- ☐ Monitoring Well
- ☐ Pollution Control And/Or Recovery
- ☐ Construction Site/Public Works Dewatering
- ☐ Mine Dewatering
- ☐ Ground Source Heat Pump
- ☐ Other(Describe):

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Check here if the borehole is anything other than vertifical (directional boring or angle boring) and include a schematic of your design.

☒ Temporary Request - Requested Start Date: August 15, 2024 Requested End Date: October 15, 2024

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Devon Energy Corp	Name:
Contact or Agent: Dale Woodall — check here if Agent ☐	Contact or Agent: — check here if Agent ☐
Mailing Address: 205 East Bender Road #150	Mailing Address:
City: Hobbs	City:
State: New Mexico — Zip Code: 88240	State: — Zip Code:
Phone: — ☐ Home ☐ Cell Phone (Work):	Phone: — ☐ Home ☐ Cell Phone (Work):
E-mail (optional):	E-mail (optional):

OSE DII ROSWELL NM
AUG 16 2024 AM11:1

FOR OSE INTERNAL USE — Application for Permit, Form WR-07, Rev 07/10/2024

File No.: C-4879	Trn. No.: 766045	Receipt No.: 2-47211
Trans Description (optional): EXPL		
Sub-Basin: CUB	PCW/LOG Due Date: 9-9-2025	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
☐ NM West Zone
☐ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

☐ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-4879 Pod1 TMW-2	32.105265	-103.688384	Unit letter B sec 28, T25S, R32E	52'	2"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ■ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:
Site is Devon Marwari 28 CTB pad

Well is on land owned by: U.S Bureau of land management

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. **Attached?** ☐ Yes ☐ No

Approximate depth to water (feet): 52	
Driller Name: Boyd Coffey	Driller License Number: 1839

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

This Soil Boring is to prove That ground water does not exist between the land surface and 52'. Per New Mexico oil conservation division. The Boring will remain open for 72 Hours to prove the boring is dry.
This is a Exploration boring, the sole purpose is to prove that the depth to ground water exceeds 52'below ground surface. Upon completion, the casing will be removed and the bore hole will be plugged per the specifications provided in the plugging plan

OSE DII ROSWELL NM
AUG 16 2024 AM11:1

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-4879	Trn No.: 766645

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory*:	**Pollution Control and/or Recovery:**	**Construction De-Watering:**	**Mine De-Watering:**
Is proposed well a future public water supply well? ☐ Yes ☐ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☐ Include a description of any proposed pump test, if applicable. **Monitoring*:** ☐ Include the reason for the monitoring well, and, ☐ The duration of the planned monitoring.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of. **Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), DAVE WOOD, ALL
Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☑ approved ☐ partially approved ☐ denied

OSE DII ROSWELL N
AUG 16 2024 AM11:

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Elizabeth K. Anderson, P.E.

Witness my hand and seal this 9th day of September 20 24, for the State Engineer

Elizabeth K. Anderson, P.E., State Engineer

By: K. Parekh
Signature

Kashyap Parekh
Print

Title: Water Resources Manager I
Print

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-4879	Trn No.: 766045

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report
08/14/2024

Well Name: MARWARI 21-16 STATE FED COM	**Well Location:** T25S / R32E / SEC 28 / NWNW / 32.1076809 / -103.6880643	**County or Parish/State:** LEA / NM
Well Number: 712H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMLC061869	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548586	**Operator:** DEVON ENERGY PRODUCTION COMPANY LP	

Notification

Sundry ID:	2806823		
Type of Submission:	Notification	**Type of Action:**	Other
Date Sundry Submitted:	Aug 14, 2024	**Time Sundry Submitted:**	9:45:41 AM
Date Operation will begin:	Aug 28, 2024	**Time Operation will begin:**	8:00:00 AM
Field Contact Name:	ETHAN SESSUMS	**Field Contact Number:**	4327012159
Rig Name:	N/A	**Rig Number:**	1

Procedure Description: INSTALL A TEST BORING TO DETERMINE DEPTH TO GROUNDWATER AT THE MARWARI 28 CTB 2 PAD, THE MARWARI 21-16 STATE FED COM 712H. AFTER THE BORING IS INSTALLED, IT WILL BE MEASURED FOR GROUNDWATER AND THEN PLUGGED AND ABANDONED IN ACCORDA NCE WITH STATE PROTOCOLS

Disposition: Accepted

Accepted Date: 08/14/2024

OSE DII ROSWELL NM
AUG 16 2024 AM11:1

Notification

Procedure Description

Devon_TMW_2_PLugging_Plan_20240814094507.pdf

Devon_TMW_2_20240814094458.pdf

Conditions of Approval

Specialist Review

20240814_MARWARI_21_16_STATE_FED_COM_712H_St_Engineer_Office_drilling_approval_20240814110447.pdf

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC061869

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. MARWARI 21-16 STATE FED COM

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No. 3002548586

3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY,

3b. Phone No. *(include area code)* (405) 235-3611

10. Field and Pool or Exploratory Area WC-025 G-08 S253216D/UPPER WOLFCAMP

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 28/T25S/R32E/NMP

11. Country or Parish, State LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

INSTALL A TEST BORING TO DETERMINE DEPTH TO GROUNDWATER AT THE MARWARI 28 CTB 2 PAD, THE MARWARI 21-16 STATE FED COM 712H. AFTER THE BORING IS INSTALLED, IT WILL BE MEASURED FOR GROUNDWATER AND THEN PLUGGED AND ABANDONED IN ACCORDA NCE WITH STATE PROTOCOLS

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* DALE WOODALL / Ph: (405) 235-3611

Title Environmental Professional

Signature (Electronic Submission)

Date 08/14/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Accepted

Title Environmental Protection Speciali

Date 08/14/2024

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NWNW / 325 FNL / 190 FWL / TWSP: 25S / RANGE: 32E / SECTION: 28 / LAT: 32.1076809 / LONG: -103.6880643 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 100 FSL / 980 FWL / TWSP: 25S / RANGE: 32E / SECTION: 21 / LAT: 32.1088791 / LONG: -103.6855192 (TVD: 12024 feet, MD: 12186 feet)

BHL: NWNW / 20 FNL / 980 FWL / TWSP: 25S / RANGE: 32E / SECTION: 16 / LAT: 32.1375966 / LONG: -103.6854385 (TVD: 11976 feet, MD: 22462 feet)

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.

17-1A Depth of the well shall not exceed the thickness of the valley fill.

17-4 No water shall be appropriated and beneficially used under this permit.

17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04879 POD1 File Number: C 04879
Trn Number: 766045

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.

17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.

17-C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.

17-G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.

17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

Trn Desc: C 04879 POD1 File Number: C 04879
Trn Number: 766045

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

17-Q The State Engineer retains jurisdiction over this permit.

17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

LOG The Point of Diversion C 04879 POD1 must be completed and the Well Log filed on or before 09/09/2025.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHROIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 08/16/2024 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 09 day of Sep A.D., 2024

Elizabeth K. Anderson, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

GREAT SEAL OF THE STATE OF NEW MEXICO * 1912 *

Trn Desc: C 04879 POD1

File Number: C 04879
Trn Number: 766045

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

Trn Nbr: 766045
File Nbr: C 04879

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Sep. 09, 2024

DALE WOODALL
DEVON ENERGY CORP
205 E. BENDER RD. #150
HOBBS, NM 88240

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

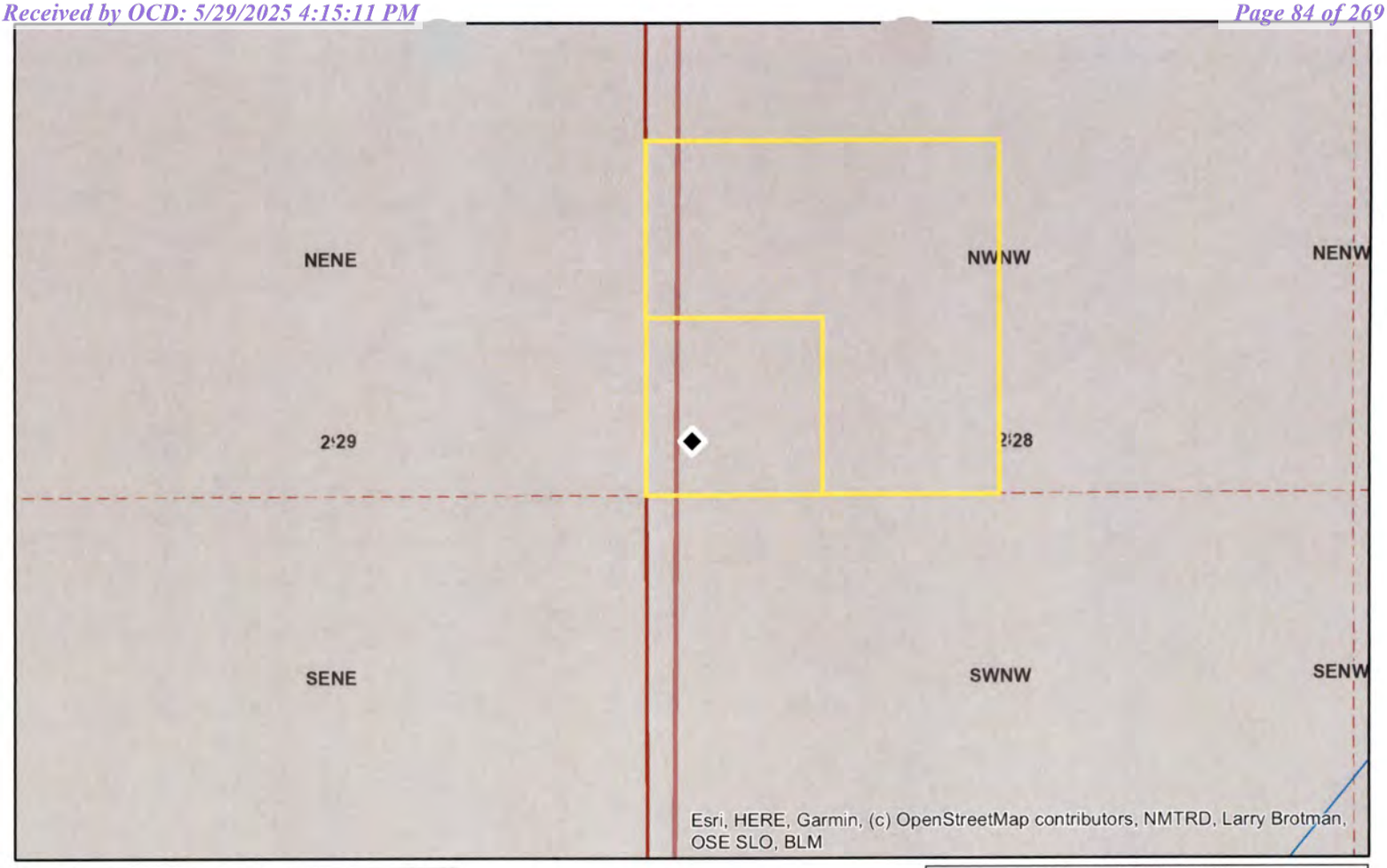
Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Vanessa Clements
(575)622-6521

Enclosure

explore



Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 623753.000

Northing 3552855.943

State Plane - NAD 83 (f) - Zone E

Easting 741040.039

Northing 402627.352

Degrees Minutes Seconds

Latitude 32 : 6 : 18.954000

Longitude -103 : 41 : 18.182400

Location pulled from Coordinate Search

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:4,514

N

9/9/2024

Office of the State Engineer nm Interstate Stream Commission

Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately interprets the source data used in their preparation; however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, rectification, positional accuracy, development methodology, interpretation of source data, and other circumstances.
These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in Land Grant

County: Lea

Groundwater Basin: Carlsbad

Abstract Area:
Carlsbad 72-12-1
Carlsbad Underground Basin

Regulation Area:

Carlsbad/Capitan/Lea Closure

PLSS Description

SWSWNWNW Qtr of Sec 28 of 025S 032E

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Parcel Information

UPC/DocNum:

Parcel Owner:

Address:null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

- Calculated PLSS
- User Defined Point

Water Right Regulations

- Closure Area
- Artesian Planning Area
- OSE District Boundary

- Bernalillo County Parcels 2023
- Catron County Parcels 2023
- Chaves County Parcels 2023
- Cibola County Parcels 2023
- Colfax County Parcels 2023
- Curry County Parcels 2023
- De Baca County Parcels 2023
- Doña Ana County Parcels 2023
- Eddy County Parcels 2023
- Grant County Parcels 2023
- Guadalupe County Parcels 2023
- Harding County Parcels 2023
- Hidalgo County Parcel 2023
- Lea County Parcels 2023
- Lincoln County Parcels 2023
- Los Alamos County Parcels 2023
- Luna County Parcels 2023
- McKinley County Parcels 2023
- Mora County Parcels 2023
- Otero County Parcels 2023
- Quay County Parcels 2023
- Rio Arriba County Parcels 2023
- Roosevelt County Parcels 2023
- Sandoval County Parcels 2023
- San Juan County Parcels 2023
- San Miguel County Parcels 2023
- Santa Fe County Parcels 2023
- Sierra County Parcels 2023
- Socorro County Parcels 2023
- Taos County Parcels 2023
- Torrance County Parcels 2023
- Union County Parcels 2023
- Valencia County Parcels 2023
- Sections

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220-6292

In Reply Refer To:
3162.4 (NM-080)

August 14, 2024

NM Office of the State Engineer
1900 W. Second St.
Roswell, NM 88201

Re: MARWARI 21-16 STATE FED COM 712H
Sec 28, TS 25S, RE 32E
Lea County, New Mexico

To Whom It May Concern:

The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 52 feet below ground surface. The boring will be secured and left open for 72 hours at which time Devon Energy Production Company LP will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type 1/11 neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

If you have any questions contact Crisha Morgan, at 575-234-5987.

OSE DII ROSWELL NM
AUG 16 2024 AM11:17

Sincerely,

CRISHA MORGAN Digitally signed by CRISHA MORGAN
Date: 2024.08.14 11:04:08 -06'00'

Crisha A. Morgan
Certified Environmental Protection Specialist

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4209-POD2		

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Baker Ranch	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
P.O. Box 24	Silver City	NM	88062

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	04	3.747	N
	LONGITUDE	103	43	12.021	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1706	Bryce Wallace	Elite Drillers Corporation

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
5/7/18	5/9/18	340	340	155

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 155

DRILLING FLUID: ☐ AIR ☑ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+2	200	11	PVC	Spline	6	SDR 21	
200	340	11	PVC	Spline	6	SDR 21	.032

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	25	11	Portland I/II	25	Slurry/Pour
25	340	11	8/16 Silica Sand	140	Pour

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4209	POD NO.	2	TRN NO.	621334
LOCATION	26S.32E.6.3.3.2	EXPL		WELL TAG ID NO.	N/A

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	Brown Sand	Y ✓ N	
10	18	8	Tan Caliche	Y ✓ N	
18	320	302	Red Sand	✓ Y N	5.00
320	340	20	Red Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☑ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 5.00

RECEIVED
2018 MAY 21 AM 10:07
OSE ROSWELL, NM

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Digitally signed by Bryce Wallace
Date: 2018.05.17 10:36:25 -05'00'

Bryce Wallace — 5/17/18

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	C-4209	POD NO.	2	TRN NO.	621334
LOCATION	26S.32E.6.3.3.2	EXPL		WELL TAG ID NO.	N/A

PAGE 2 OF 2

Water Right Summary

get image list

WR File Number:	C 04209	**Subbasin:**	CUB	**Cross Reference:**
Primary Purpose:	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD			
Primary Status:	PMT Permit			
Total Acres:		**Subfile:**		**Header:**
Total Diversion:	0.000	**Cause/Case:**		
Owner:	BAKER RANCH	**Owner Class:**	Owner	
Contact:	DAVE ANDERSEN			

Documents on File

(acre-fee

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
get images	621334	EXPL	2018-03-07	PMT	LOG	C 04209 POD1-2	T	0.000	0.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 04209 POD1	NA	Shallow	NE	SW	SW	06	26S	32E	620902.7	3548619.8		
C 04209 POD2	NA	Shallow	NE	SW	SW	06	26S	32E	620817.8	3548657.3		

*** UTM location was derived from PLSS - see Help**

Lea County, New Mexico

PT—Pyote loamy fine sand

Map Unit Setting

National map unit symbol: dmqp
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 200 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Pyote and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 25 inches: loamy fine sand
Bt - 25 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Maljamar
Percent of map unit: 8 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas
Percent of map unit: 7 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 03/05/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	**Sandy** Sandy
R070BD005NM	**Deep Sand** Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.
Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes.

The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.
The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.
Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:
Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid

Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

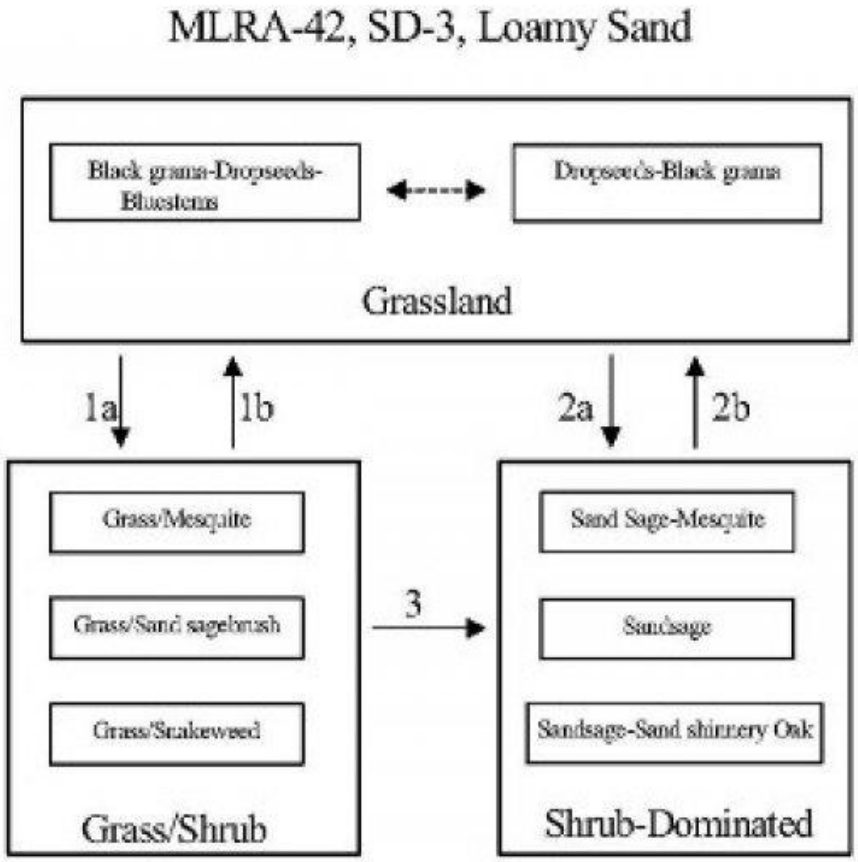
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



1a. Drought, over grazing, fire suppression.
1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.
2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil

surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	**650**	**1225**	**1800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Grass/Shrub

Community 2.1
Grass/Shrub

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3
Shrub Dominated

Community 3.1
Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an

aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			61–123	
	little bluestem	SCSC	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa neomexicana*	37–61	–
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	

	sand sagebrush	ARFI2	*Artemisia filifolia*	61–123	–
	Havard oak	QUHA3	*Quercus havardii*	61–123	–
11	**Shrub**			34–61	
	fourwing saltbush	ATCA2	*Atriplex canescens*	37–61	–
	featherplume	DAFO	*Dalea formosa*	37–61	–
12	**Shrub**			37–61	
	jointfir	EPHED	*Ephedra*	37–61	–
	littleleaf ratany	KRER	*Krameria erecta*	37–61	–
13	**Other Shrubs**			37–61	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	37–61	–
Forb					
14	**Forb**			61–123	
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	61–123	–
	Indian blanket	GAPU	*Gaillardia pulchella*	61–123	–
	globemallow	SPHAE	*Sphaeralcea*	61–123	–
15	**Forb**			12–37	
	woolly groundsel	PACA15	*Packera cana*	12–37	–
16	**Forb**			61–123	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	61–123	–
	woolly plantain	PLPA2	*Plantago patagonica*	61–123	–
17	**Other Forbs**			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.
Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.
Hydrologic Interpretations
Soil Series Hydrologic Group
Berino B
Kinco A
Maljamar B
Pajarito B
Palomas B
Wink B
Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month
Similarity Index Ac/AUM
100 - 76 2.3 – 3.5
75 – 51 3.0 – 4.5
50 – 26 4.6 – 9.0
25 – 0 9.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

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Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

   _____

2. **Presence of water flow patterns:**

   _____

3. **Number and height of erosional pedestals or terracettes:**

   _____

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

   _____

5. **Number of gullies and erosion associated with gullies:**

   _____

6. **Extent of wind scoured, blowouts and/or depositional areas:**

   _____

APPENDIX F
LABORATORY ANALYSIS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Bob Raup
KLJ Engineering LLC
1660 South Highway 100
Suite 340
ST Louis Park, Minnesota 55416

Generated 1/9/2025 9:31:35 AM Revision 1

JOB DESCRIPTION

28-16-232H
Jal, NM

JOB NUMBER

880-52535-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

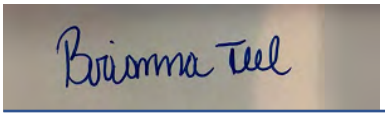
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Revision 1

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Table of Contents

Definitions/Glossary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: KLJ Engineering LLC
Project: 28-16-232H

Job ID: 880-52535-1

Job ID: 880-52535-1 Eurofins Midland

Job Narrative
880-52535-1

REVISION

The report being provided is a revision of the original report sent on 1/3/2025. The report (revision 1) is being revised due to Per client email to take samples 024,026,027,028,029 & 033 off hold for CL.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/20/2024 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.0°C.

GC/MS VOA
Method 8260C: Sample is in a bulk jar.

TP-01 (1') (880-52535-1), TP-02 (0-6") (880-52535-2), TP-03 (0-6") (880-52535-3), TP-04 (0-6") (880-52535-4), TP-04 (1') (880-52535-5), TP-05 (0-6") (880-52535-6), TP-05 (1') (880-52535-7), TP-06 (0-6") (880-52535-8), TP-06 (1') (880-52535-9) and TP-07 (0-6") (880-52535-10)

Method 8260C: Sample is in a bulk jar.

TP-08 (0-6") (880-52535-11), TP-09 (1') (880-52535-13), TP-10 (0-6") (880-52535-14) and TP-10 (1') (880-52535-15)

Method 8260C: Sample is in a bulk jar.

TP-11 (0-6") (880-52535-16), TP-11 (1') (880-52535-17), TP-12 (0-6") (880-52535-18), TP-12 (1') (880-52535-19), TP-13 (0-6") (880-52535-20), SS-03 (880-52535-21), SS-04 (880-52535-22), SS-05 (880-52535-23), TB-14 (0-6") (880-52535-36), TB-15 (0-6") (880-52535-37), TB-15 (1') (880-52535-38), TB-16 (0-6") (880-52535-39), TB-17 (0-6") (880-52535-40), TB-18 (0-6") (880-52535-41) and TB-19 (0-6") (880-52535-42)

Method 8260C: Sample is in a bulk jar.

PH-01 (1') (880-52535-43), SS-01 (880-52535-44) and SS-02 (880-52535-45)

Method 8260C: The following sample was diluted due to the nature of the sample matrix: TP-09 (0-6") (880-52535-12). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar. Sample has strong smell.

Method 8260C: Sample is in a bulk jar.

TP-12 (0-6") (880-52535-18), SS-05 (880-52535-23) and TB-15 (1') (880-52535-38)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: KLJ Engineering LLC Job ID: 880-52535-1
Project: 28-16-232H

Job ID: 880-52535-1 (Continued) Eurofins Midland

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98555 and analytical batch 880-98836 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98556 and analytical batch 880-98837 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-98556 and analytical batch 880-98837 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98864 and analytical batch 880-98946 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99816 and analytical batch 880-99825 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-01 (1')

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-1
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:39	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 15:39	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:39	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:39	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:39	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*56 - 150*	*12/23/24 13:43*	*12/23/24 15:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*	*12/23/24 13:43*	*12/23/24 15:39*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*12/23/24 13:43*	*12/23/24 15:39*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/23/24 13:43*	*12/23/24 15:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 15:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/30/24 22:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/27/24 13:46	12/30/24 22:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/27/24 13:46	12/30/24 22:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/27/24 13:46	12/30/24 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/27/24 13:46*	*12/30/24 22:35*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/27/24 13:46*	*12/30/24 22:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**328**		10.0		mg/Kg			12/26/24 19:38	1

Client Sample ID: TP-02 (0-6")

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-2
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:04	1
Toluene	<0.00503	U	0.00503		mg/Kg		12/23/24 13:43	12/23/24 16:04	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:04	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:04	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:04	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:04*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-02 (0-6")

Lab Sample ID: 880-52535-2
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:04*	*1*
Dibromofluoromethane (Surr)	*100*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:04*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 16:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/24 22:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 22:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*96*		*70 - 130*	*12/27/24 13:46*	*12/30/24 22:56*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/27/24 13:46*	*12/30/24 22:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3070**		49.6		mg/Kg			12/26/24 19:46	5

Client Sample ID: TP-03 (0-6")

Lab Sample ID: 880-52535-3
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:29	1
Toluene	<0.00503	U	0.00503		mg/Kg		12/23/24 13:43	12/23/24 16:29	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:29	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:29	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:29	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:29*	*1*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:29*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:29*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 16:29	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-03 (0-6")

Lab Sample ID: 880-52535-3
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/24 23:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:16*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**	**F1 F2**	10.1		mg/Kg			12/26/24 19:54	1

Client Sample ID: TP-04 (0-6")

Lab Sample ID: 880-52535-4
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:54	1
Toluene	<0.00503	U	0.00503		mg/Kg		12/23/24 13:43	12/23/24 16:54	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:54	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:54	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:54	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:54*	*1*
4-Bromofluorobenzene (Surr)	*107*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:54*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:54*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 16:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/24 23:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/30/24 23:36	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-04 (0-6")

Lab Sample ID: 880-52535-4
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:36*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3000**		49.5		mg/Kg			12/26/24 20:18	5

Client Sample ID: TP-04 (1')

Lab Sample ID: 880-52535-5
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:19	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 17:19	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:19	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:19	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:19	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/23/24 13:43*	*12/23/24 17:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*	*12/23/24 13:43*	*12/23/24 17:19*	*1*
Dibromofluoromethane (Surr)	*96*		*53 - 142*	*12/23/24 13:43*	*12/23/24 17:19*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/23/24 13:43*	*12/23/24 17:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 17:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/24 23:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/30/24 23:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/30/24 23:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/30/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:56*	*1*
o-Terphenyl	*99*		*70 - 130*	*12/27/24 13:46*	*12/30/24 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**620**		9.98		mg/Kg			12/26/24 20:25	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-05 (0-6")

Lab Sample ID: 880-52535-6
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:44	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 17:44	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:44	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:44	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:44	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*56 - 150*	*12/23/24 13:43*	*12/23/24 17:44*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 152*	*12/23/24 13:43*	*12/23/24 17:44*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 142*	*12/23/24 13:43*	*12/23/24 17:44*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*12/23/24 13:43*	*12/23/24 17:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 17:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 00:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/27/24 13:46*	*12/31/24 00:38*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/27/24 13:46*	*12/31/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5410**		99.6		mg/Kg			12/26/24 20:49	10

Client Sample ID: TP-05 (1')

Lab Sample ID: 880-52535-7
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:09	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 18:09	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:09	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:09	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:09	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/23/24 13:43*	*12/23/24 18:09*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-05 (1')

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-7
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*68 - 152*	*12/23/24 13:43*	*12/23/24 18:09*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 142*	*12/23/24 13:43*	*12/23/24 18:09*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*12/23/24 13:43*	*12/23/24 18:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 18:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 00:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 00:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 00:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:46*	*12/31/24 00:59*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/27/24 13:46*	*12/31/24 00:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		49.5		mg/Kg			12/26/24 20:57	5

Client Sample ID: TP-06 (0-6")

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-8
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:34	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 18:34	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:34	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:34	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:34	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*56 - 150*	*12/23/24 13:43*	*12/23/24 18:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*68 - 152*	*12/23/24 13:43*	*12/23/24 18:34*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*12/23/24 13:43*	*12/23/24 18:34*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/23/24 13:43*	*12/23/24 18:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 18:34	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-06 (0-6")

Lab Sample ID: 880-52535-8
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**49.8**		49.7		mg/Kg			12/31/24 01:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/27/24 13:46	12/31/24 01:19	1
Diesel Range Organics (Over C10-C28)	**49.8**		49.7		mg/Kg		12/27/24 13:46	12/31/24 01:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/27/24 13:46	12/31/24 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:19*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2980**		49.7		mg/Kg			12/26/24 21:05	5

Client Sample ID: TP-06 (1')

Lab Sample ID: 880-52535-9
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:58	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 18:58	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:58	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:58	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:58	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*56 - 150*	*12/23/24 13:43*	*12/23/24 18:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*68 - 152*	*12/23/24 13:43*	*12/23/24 18:58*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*12/23/24 13:43*	*12/23/24 18:58*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/23/24 13:43*	*12/23/24 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 18:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 01:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 01:39	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-06 (1')

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-9
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:39*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2390**		49.5		mg/Kg			12/26/24 21:13	5

Client Sample ID: TP-07 (0-6")

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-10
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:23	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 19:23	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:23	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 19:23	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:23	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*56 - 150*	*12/23/24 13:43*	*12/23/24 19:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*68 - 152*	*12/23/24 13:43*	*12/23/24 19:23*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*12/23/24 13:43*	*12/23/24 19:23*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/23/24 13:43*	*12/23/24 19:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 19:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/31/24 01:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/31/24 01:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/31/24 01:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/31/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:59*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/27/24 13:46*	*12/31/24 01:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**923**		50.0		mg/Kg			12/26/24 21:20	5

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-08 (0-6")

Lab Sample ID: 880-52535-11
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:35	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 15:35	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:35	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:35	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 15:35	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*56 - 150*	*12/23/24 13:43*	*12/23/24 15:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 152*	*12/23/24 13:43*	*12/23/24 15:35*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*12/23/24 13:43*	*12/23/24 15:35*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/23/24 13:43*	*12/23/24 15:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 15:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 02:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 02:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 02:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/27/24 13:46*	*12/31/24 02:20*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/27/24 13:46*	*12/31/24 02:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**682**		10.0		mg/Kg			12/26/24 21:28	1

Client Sample ID: TP-09 (0-6")

Lab Sample ID: 880-52535-12
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0502	U	0.0502		mg/Kg		12/23/24 13:43	12/27/24 11:11	50
Toluene	<0.251	U	0.251		mg/Kg		12/23/24 13:43	12/27/24 11:11	50
Ethylbenzene	**0.325**		0.0502		mg/Kg		12/23/24 13:43	12/27/24 11:11	50
m,p-Xylenes	**2.33**		0.100		mg/Kg		12/23/24 13:43	12/27/24 11:11	50
o-Xylene	**0.917**		0.0502		mg/Kg		12/23/24 13:43	12/27/24 11:11	50
Xylenes, Total	**3.25**		0.100		mg/Kg		12/23/24 13:43	12/27/24 11:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*	*12/23/24 13:43*	*12/27/24 11:11*	*50*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-09 (0-6")

Lab Sample ID: 880-52535-12
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		68 - 152	12/23/24 13:43	12/27/24 11:11	50
Dibromofluoromethane (Surr)	96		53 - 142	12/23/24 13:43	12/27/24 11:11	50
Toluene-d8 (Surr)	99		70 - 130	12/23/24 13:43	12/27/24 11:11	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.57**		0.100		mg/Kg			12/27/24 11:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**881**		50.0		mg/Kg			12/31/24 02:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**75.2**		50.0		mg/Kg		12/27/24 13:46	12/31/24 02:41	1
Diesel Range Organics (Over C10-C28)	**806**		50.0		mg/Kg		12/27/24 13:46	12/31/24 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/27/24 13:46	12/31/24 02:41	1
o-Terphenyl	108		70 - 130	12/27/24 13:46	12/31/24 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6960**		100		mg/Kg			12/26/24 21:36	10

Client Sample ID: TP-09 (1')

Lab Sample ID: 880-52535-13
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:56	1
Toluene	<0.00504	U	0.00504		mg/Kg		12/23/24 13:43	12/23/24 15:56	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:56	1
m,p-Xylenes	<0.00202	U	0.00202		mg/Kg		12/23/24 13:43	12/23/24 15:56	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:56	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		12/23/24 13:43	12/23/24 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		56 - 150	12/23/24 13:43	12/23/24 15:56	1
4-Bromofluorobenzene (Surr)	101		68 - 152	12/23/24 13:43	12/23/24 15:56	1
Dibromofluoromethane (Surr)	101		53 - 142	12/23/24 13:43	12/23/24 15:56	1
Toluene-d8 (Surr)	103		70 - 130	12/23/24 13:43	12/23/24 15:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202		mg/Kg			12/23/24 15:56	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-09 (1')

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-13
Matrix: Solid

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 03:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 03:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 03:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:46	12/31/24 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/27/24 13:46*	*12/31/24 03:01*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/27/24 13:46*	*12/31/24 03:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1380**		10.0		mg/Kg			12/26/24 22:39	1

Client Sample ID: TP-10 (0-6")

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-14
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994		mg/Kg		12/23/24 13:43	12/23/24 16:17	1
Toluene	<0.00497	U	0.00497		mg/Kg		12/23/24 13:43	12/23/24 16:17	1
Ethylbenzene	<0.000994	U	0.000994		mg/Kg		12/23/24 13:43	12/23/24 16:17	1
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		12/23/24 13:43	12/23/24 16:17	1
o-Xylene	<0.000994	U	0.000994		mg/Kg		12/23/24 13:43	12/23/24 16:17	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		12/23/24 13:43	12/23/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:17*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:17*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199		mg/Kg			12/23/24 16:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.6**		50.0		mg/Kg			12/31/24 03:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 03:21	1
Diesel Range Organics (Over C10-C28)	**59.6**		50.0		mg/Kg		12/27/24 13:46	12/31/24 03:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/31/24 03:21	1

Eurofins Midland

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-10 (0-6")

Lab Sample ID: 880-52535-14
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/27/24 13:46	12/31/24 03:21	1
o-Terphenyl	102		70 - 130	12/27/24 13:46	12/31/24 03:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3020**		49.8		mg/Kg			12/26/24 23:03	5

Client Sample ID: TP-10 (1')

Lab Sample ID: 880-52535-15
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:37	1
Toluene	<0.00505	U	0.00505		mg/Kg		12/23/24 13:43	12/23/24 16:37	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:37	1
m,p-Xylenes	<0.00202	U	0.00202		mg/Kg		12/23/24 13:43	12/23/24 16:37	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 16:37	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		12/23/24 13:43	12/23/24 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		56 - 150	12/23/24 13:43	12/23/24 16:37	1
4-Bromofluorobenzene (Surr)	103		68 - 152	12/23/24 13:43	12/23/24 16:37	1
Dibromofluoromethane (Surr)	97		53 - 142	12/23/24 13:43	12/23/24 16:37	1
Toluene-d8 (Surr)	100		70 - 130	12/23/24 13:43	12/23/24 16:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202		mg/Kg			12/23/24 16:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**91.8**		49.8		mg/Kg			12/31/24 03:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/31/24 03:42	1
Diesel Range Organics (Over C10-C28)	**91.8**		49.8		mg/Kg		12/27/24 13:46	12/31/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:46	12/31/24 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	12/27/24 13:46	12/31/24 03:42	1
o-Terphenyl	110		70 - 130	12/27/24 13:46	12/31/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2830**		49.5		mg/Kg			12/26/24 23:10	5

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-11 (0-6")

Lab Sample ID: 880-52535-16
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:50	1
Toluene	<0.00503	U	0.00503		mg/Kg		12/23/24 13:43	12/23/24 15:50	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:50	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:50	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		12/23/24 13:43	12/23/24 15:50	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*56 - 150*	*12/23/24 13:43*	*12/23/24 15:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*	*12/23/24 13:43*	*12/23/24 15:50*	*1*
Dibromofluoromethane (Surr)	*118*		*53 - 142*	*12/23/24 13:43*	*12/23/24 15:50*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/23/24 13:43*	*12/23/24 15:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 15:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/24 20:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 20:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 20:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/27/24 13:49*	*12/30/24 20:12*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/27/24 13:49*	*12/30/24 20:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3670**		50.4		mg/Kg			12/26/24 23:18	5

Client Sample ID: TP-11 (1')

Lab Sample ID: 880-52535-17
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:10	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 16:10	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:10	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:10	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:10	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:10*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-11 (1')

Lab Sample ID: 880-52535-17
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:10*	*1*
Dibromofluoromethane (Surr)	*114*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:10*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 16:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/24 21:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*94*		*70 - 130*	*12/27/24 13:49*	*12/30/24 21:13*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/27/24 13:49*	*12/30/24 21:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		9.98		mg/Kg			12/26/24 23:26	1

Client Sample ID: TP-12 (0-6")

Lab Sample ID: 880-52535-18
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 11:32	1
Toluene	<0.00495	U	0.00495		mg/Kg		12/27/24 09:52	12/27/24 11:32	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 11:32	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		12/27/24 09:52	12/27/24 11:32	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 11:32	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		12/27/24 09:52	12/27/24 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*	*12/27/24 09:52*	*12/27/24 11:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*12/27/24 09:52*	*12/27/24 11:32*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*12/27/24 09:52*	*12/27/24 11:32*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/27/24 09:52*	*12/27/24 11:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			12/27/24 11:32	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-12 (0-6")

Lab Sample ID: 880-52535-18
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/24 21:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 21:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 21:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/27/24 13:49*	*12/30/24 21:34*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/27/24 13:49*	*12/30/24 21:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1650**		49.5		mg/Kg			12/26/24 23:50	5

Client Sample ID: TP-12 (1')

Lab Sample ID: 880-52535-19
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:52	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 16:52	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:52	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:52	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 16:52	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*56 - 150*	*12/23/24 13:43*	*12/23/24 16:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 152*	*12/23/24 13:43*	*12/23/24 16:52*	*1*
Dibromofluoromethane (Surr)	*117*		*53 - 142*	*12/23/24 13:43*	*12/23/24 16:52*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*12/23/24 13:43*	*12/23/24 16:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 16:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/24 21:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 21:54	1

Eurofins Midland

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-12 (1')

Lab Sample ID: 880-52535-19
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/27/24 13:49	12/30/24 21:54	1
o-Terphenyl	119		70 - 130	12/27/24 13:49	12/30/24 21:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		10.0		mg/Kg			12/26/24 23:58	1

Client Sample ID: TP-13 (0-6")

Lab Sample ID: 880-52535-20
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:12	1
Toluene	<0.00500	U	0.00500		mg/Kg		12/23/24 13:43	12/23/24 17:12	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:12	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 17:12	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:12	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		56 - 150	12/23/24 13:43	12/23/24 17:12	1
4-Bromofluorobenzene (Surr)	94		68 - 152	12/23/24 13:43	12/23/24 17:12	1
Dibromofluoromethane (Surr)	111		53 - 142	12/23/24 13:43	12/23/24 17:12	1
Toluene-d8 (Surr)	99		70 - 130	12/23/24 13:43	12/23/24 17:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 17:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/24 22:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/27/24 13:49	12/30/24 22:14	1
o-Terphenyl	129		70 - 130	12/27/24 13:49	12/30/24 22:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	522		10.0		mg/Kg			12/27/24 00:05	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-03
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-21
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:33	1
Toluene	<0.00500	U	0.00500		mg/Kg		12/23/24 13:43	12/23/24 17:33	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:33	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 17:33	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:33	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*56 - 150*	*12/23/24 13:43*	*12/23/24 17:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 152*	*12/23/24 13:43*	*12/23/24 17:33*	*1*
Dibromofluoromethane (Surr)	*111*		*53 - 142*	*12/23/24 13:43*	*12/23/24 17:33*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*12/23/24 13:43*	*12/23/24 17:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 17:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/24 22:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 22:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 22:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/27/24 13:49*	*12/30/24 22:35*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/27/24 13:49*	*12/30/24 22:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1270**		49.9		mg/Kg			12/27/24 00:13	5

Client Sample ID: SS-04
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-22
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:54	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 17:54	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:54	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:54	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 17:54	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*56 - 150*	*12/23/24 13:43*	*12/23/24 17:54*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-04

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-22
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*	*12/23/24 13:43*	*12/23/24 17:54*	*1*
Dibromofluoromethane (Surr)	*109*		*53 - 142*	*12/23/24 13:43*	*12/23/24 17:54*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*12/23/24 13:43*	*12/23/24 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 17:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/24 22:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 22:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 22:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:49*	*12/30/24 22:56*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/27/24 13:49*	*12/30/24 22:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1850**		49.8		mg/Kg			12/27/24 00:21	5

Client Sample ID: SS-05

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-23
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994		mg/Kg		12/27/24 09:52	12/27/24 11:53	1
Toluene	<0.00497	U	0.00497		mg/Kg		12/27/24 09:52	12/27/24 11:53	1
Ethylbenzene	<0.000994	U	0.000994		mg/Kg		12/27/24 09:52	12/27/24 11:53	1
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		12/27/24 09:52	12/27/24 11:53	1
o-Xylene	<0.000994	U	0.000994		mg/Kg		12/27/24 09:52	12/27/24 11:53	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		12/27/24 09:52	12/27/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/27/24 09:52*	*12/27/24 11:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 152*	*12/27/24 09:52*	*12/27/24 11:53*	*1*
Dibromofluoromethane (Surr)	*100*		*53 - 142*	*12/27/24 09:52*	*12/27/24 11:53*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*12/27/24 09:52*	*12/27/24 11:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199		mg/Kg			12/27/24 11:53	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-05
Lab Sample ID: 880-52535-23
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/24 23:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 23:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 23:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:16*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270	F1	49.7		mg/Kg			12/27/24 00:29	5

Client Sample ID: TP-02 (1')
Lab Sample ID: 880-52535-24
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		10.1		mg/Kg			01/08/25 21:03	1

Client Sample ID: TP-06 (2')
Lab Sample ID: 880-52535-26
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406	F1	10.0		mg/Kg			01/08/25 21:09	1

Client Sample ID: TP-06 (4')
Lab Sample ID: 880-52535-27
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		9.96		mg/Kg			01/08/25 21:27	1

Client Sample ID: TP-07 (1')
Lab Sample ID: 880-52535-28
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.1		9.96		mg/Kg			01/08/25 21:32	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-08 (1')
Lab Sample ID: 880-52535-29
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		10.1		mg/Kg			01/08/25 21:50	1

Client Sample ID: TP-17 (1')
Lab Sample ID: 880-52535-33
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	741		10.0		mg/Kg			01/08/25 21:56	1

Client Sample ID: TB-14 (0-6")
Lab Sample ID: 880-52535-36
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:35	1
Toluene	<0.00501	U	0.00501		mg/Kg		12/23/24 13:43	12/23/24 18:35	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:35	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 18:35	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:35	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*56 - 150*	*12/23/24 13:43*	*12/23/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*	*12/23/24 13:43*	*12/23/24 18:35*	*1*
Dibromofluoromethane (Surr)	*114*		*53 - 142*	*12/23/24 13:43*	*12/23/24 18:35*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/23/24 13:43*	*12/23/24 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 18:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/24 23:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/30/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:36*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		10.0		mg/Kg			12/27/24 00:53	1

Eurofins Midland

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-15 (0-6")

Lab Sample ID: 880-52535-37
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:56	1
Toluene	<0.00500	U	0.00500		mg/Kg		12/23/24 13:43	12/23/24 18:56	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:56	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 18:56	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 18:56	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*56 - 150*	*12/23/24 13:43*	*12/23/24 18:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 152*	*12/23/24 13:43*	*12/23/24 18:56*	*1*
Dibromofluoromethane (Surr)	*111*		*53 - 142*	*12/23/24 13:43*	*12/23/24 18:56*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*12/23/24 13:43*	*12/23/24 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 18:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/24 23:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 23:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 23:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/30/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:56*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/27/24 13:49*	*12/30/24 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3320**		50.5		mg/Kg			12/27/24 01:01	5

Client Sample ID: TB-15 (1')

Lab Sample ID: 880-52535-38
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 12:13	1
Toluene	<0.00495	U	0.00495		mg/Kg		12/27/24 09:52	12/27/24 12:13	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 12:13	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		12/27/24 09:52	12/27/24 12:13	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		12/27/24 09:52	12/27/24 12:13	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		12/27/24 09:52	12/27/24 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*	*12/27/24 09:52*	*12/27/24 12:13*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-15 (1')

Lab Sample ID: 880-52535-38
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*12/27/24 09:52*	*12/27/24 12:13*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*12/27/24 09:52*	*12/27/24 12:13*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/27/24 09:52*	*12/27/24 12:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			12/27/24 12:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 00:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/27/24 13:49*	*12/31/24 00:38*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/27/24 13:49*	*12/31/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**568**		10.1		mg/Kg			12/27/24 01:24	1

Client Sample ID: TB-16 (0-6")

Lab Sample ID: 880-52535-39
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:37	1
Toluene	<0.00500	U	0.00500		mg/Kg		12/23/24 13:43	12/23/24 19:37	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:37	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 19:37	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:37	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*56 - 150*	*12/23/24 13:43*	*12/23/24 19:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*	*12/23/24 13:43*	*12/23/24 19:37*	*1*
Dibromofluoromethane (Surr)	*128*		*53 - 142*	*12/23/24 13:43*	*12/23/24 19:37*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*12/23/24 13:43*	*12/23/24 19:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 19:37	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-16 (0-6")

Lab Sample ID: 880-52535-39
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 00:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 00:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 00:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/27/24 13:49*	*12/31/24 00:59*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/27/24 13:49*	*12/31/24 00:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		9.96		mg/Kg			12/27/24 01:32	1

Client Sample ID: TB-17 (0-6")

Lab Sample ID: 880-52535-40
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:58	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/23/24 19:58	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:58	1
m,p-Xylenes	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 19:58	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 19:58	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		12/23/24 13:43	12/23/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*56 - 150*	*12/23/24 13:43*	*12/23/24 19:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*	*12/23/24 13:43*	*12/23/24 19:58*	*1*
Dibromofluoromethane (Surr)	*123*		*53 - 142*	*12/23/24 13:43*	*12/23/24 19:58*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*12/23/24 13:43*	*12/23/24 19:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/Kg			12/23/24 19:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/31/24 01:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:19	1

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Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-17 (0-6")

Lab Sample ID: 880-52535-40
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:19*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	951		9.90		mg/Kg			12/27/24 01:40	1

Client Sample ID: TB-18 (0-6")

Lab Sample ID: 880-52535-41
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		12/23/24 13:43	12/23/24 20:19	1
Toluene	<0.00495	U	0.00495		mg/Kg		12/23/24 13:43	12/23/24 20:19	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		12/23/24 13:43	12/23/24 20:19	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		12/23/24 13:43	12/23/24 20:19	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		12/23/24 13:43	12/23/24 20:19	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		12/23/24 13:43	12/23/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*56 - 150*	*12/23/24 13:43*	*12/23/24 20:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 152*	*12/23/24 13:43*	*12/23/24 20:19*	*1*
Dibromofluoromethane (Surr)	*115*		*53 - 142*	*12/23/24 13:43*	*12/23/24 20:19*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*12/23/24 13:43*	*12/23/24 20:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			12/23/24 20:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/31/24 01:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:39*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		10.0		mg/Kg			12/27/24 01:48	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-19 (0-6")

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-42
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 20:39	1
Toluene	<0.00500	U	0.00500		mg/Kg		12/23/24 13:43	12/23/24 20:39	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 20:39	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 20:39	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/23/24 20:39	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/23/24 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*56 - 150*	*12/23/24 13:43*	*12/23/24 20:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*12/23/24 13:43*	*12/23/24 20:39*	*1*
Dibromofluoromethane (Surr)	*123*		*53 - 142*	*12/23/24 13:43*	*12/23/24 20:39*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*12/23/24 13:43*	*12/23/24 20:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/23/24 20:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 01:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 01:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 01:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:59*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/27/24 13:49*	*12/31/24 01:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**395**		9.98		mg/Kg			12/27/24 01:56	1

Client Sample ID: PH-01 (1')

Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-43
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:30	1
Toluene	<0.00502	U	0.00502		mg/Kg		12/23/24 13:43	12/26/24 16:30	1
Ethylbenzene	**0.00137**		0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:30	1
m,p-Xylenes	**0.00233**		0.00201		mg/Kg		12/23/24 13:43	12/26/24 16:30	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:30	1
Xylenes, Total	**0.00233**		0.00201		mg/Kg		12/23/24 13:43	12/26/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*56 - 150*	*12/23/24 13:43*	*12/26/24 16:30*	*1*

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: PH-01 (1')

Lab Sample ID: 880-52535-43
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*	*12/23/24 13:43*	*12/26/24 16:30*	*1*
Dibromofluoromethane (Surr)	*92*		*53 - 142*	*12/23/24 13:43*	*12/26/24 16:30*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*12/23/24 13:43*	*12/26/24 16:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00370**		0.00201		mg/Kg			12/26/24 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 02:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 02:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 02:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:49	12/31/24 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/27/24 13:49*	*12/31/24 02:20*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/27/24 13:49*	*12/31/24 02:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2410**		50.0		mg/Kg			12/27/24 02:03	5

Client Sample ID: SS-01

Lab Sample ID: 880-52535-44
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:55	1
Toluene	<0.00501	U	0.00501		mg/Kg		12/23/24 13:43	12/26/24 16:55	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:55	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/26/24 16:55	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		12/23/24 13:43	12/26/24 16:55	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		12/23/24 13:43	12/26/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*56 - 150*	*12/23/24 13:43*	*12/26/24 16:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*68 - 152*	*12/23/24 13:43*	*12/26/24 16:55*	*1*
Dibromofluoromethane (Surr)	*93*		*53 - 142*	*12/23/24 13:43*	*12/26/24 16:55*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/23/24 13:43*	*12/26/24 16:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			12/26/24 16:55	1

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-01
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-44
Matrix: Solid

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 02:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 02:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/31/24 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/27/24 13:49*	*12/31/24 02:41*	*1*
o-Terphenyl	*113*		*70 - 130*	*12/27/24 13:49*	*12/31/24 02:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1890**		50.4		mg/Kg			12/27/24 02:11	5

Client Sample ID: SS-02
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-45
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996		mg/Kg		12/23/24 13:43	12/26/24 17:20	1
Toluene	<0.00498	U	0.00498		mg/Kg		12/23/24 13:43	12/26/24 17:20	1
Ethylbenzene	<0.000996	U	0.000996		mg/Kg		12/23/24 13:43	12/26/24 17:20	1
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		12/23/24 13:43	12/26/24 17:20	1
o-Xylene	<0.000996	U	0.000996		mg/Kg		12/23/24 13:43	12/26/24 17:20	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		12/23/24 13:43	12/26/24 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*56 - 150*	*12/23/24 13:43*	*12/26/24 17:20*	*1*
4-Bromofluorobenzene (Surr)	*107*		*68 - 152*	*12/23/24 13:43*	*12/26/24 17:20*	*1*
Dibromofluoromethane (Surr)	*94*		*53 - 142*	*12/23/24 13:43*	*12/26/24 17:20*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/23/24 13:43*	*12/26/24 17:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199		mg/Kg			12/26/24 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**71.9**		49.8		mg/Kg			12/31/24 03:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 03:01	1
Diesel Range Organics (Over C10-C28)	**71.9**		49.8		mg/Kg		12/27/24 13:49	12/31/24 03:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:49	12/31/24 03:01	1

Eurofins Midland

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-02
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-45
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/27/24 13:49	12/31/24 03:01	1
o-Terphenyl	116		70 - 130	12/27/24 13:49	12/31/24 03:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1690	F1	50.1		mg/Kg			12/27/24 17:34	5

Surrogate Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
880-52535-1	TP-01 (1')	95	105	99	99
880-52535-2	TP-02 (0-6")	94	107	100	100
880-52535-3	TP-03 (0-6")	93	105	99	100
880-52535-4	TP-04 (0-6")	93	107	99	102
880-52535-5	TP-04 (1')	93	105	96	101
880-52535-6	TP-05 (0-6")	96	101	97	98
880-52535-7	TP-05 (1')	93	106	97	102
880-52535-8	TP-06 (0-6")	95	108	99	101
880-52535-9	TP-06 (1')	96	103	98	100
880-52535-10	TP-07 (0-6")	95	103	98	100
880-52535-11	TP-08 (0-6")	88	101	98	101
880-52535-12	TP-09 (0-6")	89	95	96	99
880-52535-13	TP-09 (1')	90	101	101	103
880-52535-14	TP-10 (0-6")	89	98	99	97
880-52535-15	TP-10 (1')	93	103	97	100
880-52535-16	TP-11 (0-6")	110	100	118	100
880-52535-17	TP-11 (1')	119	95	114	98
880-52535-18	TP-12 (0-6")	89	97	98	99
880-52535-19	TP-12 (1')	122	102	117	91
880-52535-20	TP-13 (0-6")	122	94	111	99
880-52535-21	SS-03	118	94	111	93
880-52535-22	SS-04	115	95	109	97
880-52535-23	SS-05	93	102	100	102
880-52535-36	TB-14 (0-6")	121	96	114	99
880-52535-37	TB-15 (0-6")	122	98	111	96
880-52535-38	TB-15 (1')	93	97	98	99
880-52535-39	TB-16 (0-6")	126	100	128	91
880-52535-40	TB-17 (0-6")	131	96	123	93
880-52535-41	TB-18 (0-6")	127	98	115	96
880-52535-42	TB-19 (0-6")	128	97	123	95
880-52535-43	PH-01 (1')	91	105	92	102
880-52535-44	SS-01	92	104	93	101
880-52535-45	SS-02	88	107	94	101
LCS 860-207261/3	Lab Control Sample	87	100	100	100
LCS 860-207267/3	Lab Control Sample	95	103	96	100
LCS 860-207270/1019	Lab Control Sample	88	100	99	103
LCS 860-207643/3	Lab Control Sample	93	103	92	102
LCS 860-207878/3	Lab Control Sample	90	94	99	103
LCSD 860-207261/4	Lab Control Sample Dup	83	99	99	101
LCSD 860-207267/4	Lab Control Sample Dup	94	106	95	99
LCSD 860-207270/4	Lab Control Sample Dup	93	102	98	102
LCSD 860-207643/4	Lab Control Sample Dup	92	105	91	101
LCSD 860-207878/4	Lab Control Sample Dup	88	100	100	100
MB 860-207261/8	Method Blank	89	101	99	98
MB 860-207267/7	Method Blank	93	105	94	102
MB 860-207270/8	Method Blank	105	100	118	93
MB 860-207643/8	Method Blank	89	102	92	101
MB 860-207878/8	Method Blank	88	93	96	100

Surrogate Legend

Surrogate Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52535-1	TP-01 (1')	94	106
880-52535-2	TP-02 (0-6")	96	106
880-52535-3	TP-03 (0-6")	95	105
880-52535-4	TP-04 (0-6")	92	103
880-52535-5	TP-04 (1')	88	99
880-52535-6	TP-05 (0-6")	115	128
880-52535-7	TP-05 (1')	90	102
880-52535-8	TP-06 (0-6")	94	104
880-52535-9	TP-06 (1')	89	103
880-52535-10	TP-07 (0-6")	90	105
880-52535-11	TP-08 (0-6")	82	100
880-52535-12	TP-09 (0-6")	99	108
880-52535-13	TP-09 (1')	100	112
880-52535-14	TP-10 (0-6")	92	102
880-52535-15	TP-10 (1')	98	110
880-52535-16	TP-11 (0-6")	83	106
880-52535-16 MS	TP-11 (0-6")	90	102
880-52535-16 MSD	TP-11 (0-6")	89	98
880-52535-17	TP-11 (1')	94	122
880-52535-18	TP-12 (0-6")	88	114
880-52535-19	TP-12 (1')	92	119
880-52535-20	TP-13 (0-6")	108	129
880-52535-21	SS-03	92	114
880-52535-22	SS-04	90	112
880-52535-23	SS-05	90	110
880-52535-36	TB-14 (0-6")	90	112
880-52535-37	TB-15 (0-6")	95	120
880-52535-38	TB-15 (1')	106	129
880-52535-39	TB-16 (0-6")	91	116
880-52535-40	TB-17 (0-6")	95	119
880-52535-41	TB-18 (0-6")	95	118
880-52535-42	TB-19 (0-6")	97	126
880-52535-43	PH-01 (1')	98	124
880-52535-44	SS-01	90	113
880-52535-45	SS-02	95	116
LCS 880-98959/2-A	Lab Control Sample	85	90
LCS 880-98960/2-A	Lab Control Sample	102	116
LCSD 880-98959/3-A	Lab Control Sample Dup	104	108
LCSD 880-98960/3-A	Lab Control Sample Dup	95	108
MB 880-98959/1-A	Method Blank	108	123
MB 880-98960/1-A	Method Blank	96	127

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-207261/8
Matrix: Solid
Analysis Batch: 207261

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			12/23/24 10:36	1
Toluene	<0.00500	U	0.00500		mg/Kg			12/23/24 10:36	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			12/23/24 10:36	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			12/23/24 10:36	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			12/23/24 10:36	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			12/23/24 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*		*12/23/24 10:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 152*		*12/23/24 10:36*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*		*12/23/24 10:36*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/23/24 10:36*	*1*

Lab Sample ID: LCS 860-207261/3
Matrix: Solid
Analysis Batch: 207261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05776		mg/Kg		116	66 - 142		
Toluene			0.0500	0.05133		mg/Kg		103	74 - 130		
Ethylbenzene			0.0500	0.05215		mg/Kg		104	80 - 130		
m,p-Xylenes			0.0500	0.05052		mg/Kg		101	78 - 130		
o-Xylene			0.0500	0.05388		mg/Kg		108	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*56 - 150*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*
Dibromofluoromethane (Surr)	*100*		*53 - 142*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 860-207261/4
Matrix: Solid
Analysis Batch: 207261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04872		mg/Kg		97	66 - 142	17	25
Toluene			0.0500	0.04546		mg/Kg		91	74 - 130	12	25
Ethylbenzene			0.0500	0.04443		mg/Kg		89	80 - 130	16	25
m,p-Xylenes			0.0500	0.04327		mg/Kg		87	78 - 130	15	25
o-Xylene			0.0500	0.04695		mg/Kg		94	79 - 130	14	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*56 - 150*
4-Bromofluorobenzene (Surr)	*99*		*68 - 152*
Dibromofluoromethane (Surr)	*99*		*53 - 142*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-207267/7
Matrix: Solid
Analysis Batch: 207267

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			12/23/24 11:55	1
Toluene	<0.00500	U	0.00500		mg/Kg			12/23/24 11:55	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			12/23/24 11:55	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			12/23/24 11:55	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			12/23/24 11:55	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			12/23/24 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*		*12/23/24 11:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*		*12/23/24 11:55*	*1*
Dibromofluoromethane (Surr)	*94*		*53 - 142*		*12/23/24 11:55*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/24 11:55*	*1*

Lab Sample ID: LCS 860-207267/3
Matrix: Solid
Analysis Batch: 207267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05495		mg/Kg		110	66 - 142		
Toluene			0.0500	0.05349		mg/Kg		107	74 - 130		
Ethylbenzene			0.0500	0.05241		mg/Kg		105	80 - 130		
m,p-Xylenes			0.0500	0.05315		mg/Kg		106	78 - 130		
o-Xylene			0.0500	0.05234		mg/Kg		105	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*56 - 150*
4-Bromofluorobenzene (Surr)	*103*		*68 - 152*
Dibromofluoromethane (Surr)	*96*		*53 - 142*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 860-207267/4
Matrix: Solid
Analysis Batch: 207267

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04900		mg/Kg		98	66 - 142	11	25
Toluene			0.0500	0.04870		mg/Kg		97	74 - 130	9	25
Ethylbenzene			0.0500	0.04822		mg/Kg		96	80 - 130	8	25
m,p-Xylenes			0.0500	0.04876		mg/Kg		98	78 - 130	9	25
o-Xylene			0.0500	0.04796		mg/Kg		96	79 - 130	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*56 - 150*
4-Bromofluorobenzene (Surr)	*106*		*68 - 152*
Dibromofluoromethane (Surr)	*95*		*53 - 142*
Toluene-d8 (Surr)	*99*		*70 - 130*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-207270/8
Matrix: Solid
Analysis Batch: 207270

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			12/23/24 15:29	1
Toluene	<0.00500	U	0.00500		mg/Kg			12/23/24 15:29	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			12/23/24 15:29	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			12/23/24 15:29	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			12/23/24 15:29	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			12/23/24 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*56 - 150*		*12/23/24 15:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*		*12/23/24 15:29*	*1*
Dibromofluoromethane (Surr)	*118*		*53 - 142*		*12/23/24 15:29*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/24 15:29*	*1*

Lab Sample ID: LCS 860-207270/1019
Matrix: Solid
Analysis Batch: 207270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.04641		mg/Kg		93	66 - 142		
Toluene			0.0500	0.04959		mg/Kg		99	74 - 130		
Ethylbenzene			0.0500	0.05079		mg/Kg		102	80 - 130		
m,p-Xylenes			0.0500	0.05248		mg/Kg		105	78 - 130		
o-Xylene			0.0500	0.05310		mg/Kg		106	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*56 - 150*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*
Dibromofluoromethane (Surr)	*99*		*53 - 142*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 860-207270/4
Matrix: Solid
Analysis Batch: 207270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04279		mg/Kg		86	66 - 142	8	25
Toluene			0.0500	0.04585		mg/Kg		92	74 - 130	8	25
Ethylbenzene			0.0500	0.04662		mg/Kg		93	80 - 130	9	25
m,p-Xylenes			0.0500	0.04656		mg/Kg		93	78 - 130	12	25
o-Xylene			0.0500	0.04852		mg/Kg		97	79 - 130	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*
4-Bromofluorobenzene (Surr)	*102*		*68 - 152*
Dibromofluoromethane (Surr)	*98*		*53 - 142*
Toluene-d8 (Surr)	*102*		*70 - 130*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-207643/8
Matrix: Solid
Analysis Batch: 207643

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			12/26/24 11:15	1
Toluene	<0.00500	U	0.00500		mg/Kg			12/26/24 11:15	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			12/26/24 11:15	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			12/26/24 11:15	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			12/26/24 11:15	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			12/26/24 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*		*12/26/24 11:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 152*		*12/26/24 11:15*	*1*
Dibromofluoromethane (Surr)	*92*		*53 - 142*		*12/26/24 11:15*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/26/24 11:15*	*1*

Lab Sample ID: LCS 860-207643/3
Matrix: Solid
Analysis Batch: 207643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.05047		mg/Kg		101	66 - 142
Toluene	0.0500	0.05064		mg/Kg		101	74 - 130
Ethylbenzene	0.0500	0.04942		mg/Kg		99	80 - 130
m,p-Xylenes	0.0500	0.04985		mg/Kg		100	78 - 130
o-Xylene	0.0500	0.04890		mg/Kg		98	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*56 - 150*
4-Bromofluorobenzene (Surr)	*103*		*68 - 152*
Dibromofluoromethane (Surr)	*92*		*53 - 142*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 860-207643/4
Matrix: Solid
Analysis Batch: 207643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.04931		mg/Kg		99	66 - 142	2	25
Toluene	0.0500	0.04806		mg/Kg		96	74 - 130	5	25
Ethylbenzene	0.0500	0.04745		mg/Kg		95	80 - 130	4	25
m,p-Xylenes	0.0500	0.04786		mg/Kg		96	78 - 130	4	25
o-Xylene	0.0500	0.04755		mg/Kg		95	79 - 130	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*56 - 150*
4-Bromofluorobenzene (Surr)	*105*		*68 - 152*
Dibromofluoromethane (Surr)	*91*		*53 - 142*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-207878/8
Matrix: Solid
Analysis Batch: 207878

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			12/27/24 10:49	1
Toluene	<0.00500	U	0.00500		mg/Kg			12/27/24 10:49	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			12/27/24 10:49	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			12/27/24 10:49	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			12/27/24 10:49	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			12/27/24 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*56 - 150*		*12/27/24 10:49*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 152*		*12/27/24 10:49*	*1*
Dibromofluoromethane (Surr)	*96*		*53 - 142*		*12/27/24 10:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/27/24 10:49*	*1*

Lab Sample ID: LCS 860-207878/3
Matrix: Solid
Analysis Batch: 207878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.04979		mg/Kg		100	66 - 142
Toluene	0.0500	0.04548		mg/Kg		91	74 - 130
Ethylbenzene	0.0500	0.04597		mg/Kg		92	80 - 130
m,p-Xylenes	0.0500	0.04569		mg/Kg		91	78 - 130
o-Xylene	0.0500	0.04824		mg/Kg		96	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*56 - 150*
4-Bromofluorobenzene (Surr)	*94*		*68 - 152*
Dibromofluoromethane (Surr)	*99*		*53 - 142*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 860-207878/4
Matrix: Solid
Analysis Batch: 207878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.04709		mg/Kg		94	66 - 142	6	25
Toluene	0.0500	0.04120		mg/Kg		82	74 - 130	10	25
Ethylbenzene	0.0500	0.04168		mg/Kg		83	80 - 130	10	25
m,p-Xylenes	0.0500	0.04068		mg/Kg		81	78 - 130	12	25
o-Xylene	0.0500	0.04437		mg/Kg		89	79 - 130	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*56 - 150*
4-Bromofluorobenzene (Surr)	*100*		*68 - 152*
Dibromofluoromethane (Surr)	*100*		*53 - 142*
Toluene-d8 (Surr)	*100*		*70 - 130*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-98959/1-A
Matrix: Solid
Analysis Batch: 98995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:46	12/30/24 19:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/27/24 13:46*	*12/30/24 19:11*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/27/24 13:46*	*12/30/24 19:11*	*1*

Lab Sample ID: LCS 880-98959/2-A
Matrix: Solid
Analysis Batch: 98995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.2		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	799.1		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-98959/3-A
Matrix: Solid
Analysis Batch: 98995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98959

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	947.6		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	896.0		mg/Kg		90	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: MB 880-98960/1-A
Matrix: Solid
Analysis Batch: 98997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:49	12/30/24 19:11	1

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-98960/1-A
Matrix: Solid
Analysis Batch: 98997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98960

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	12/27/24 13:49	12/30/24 19:11	1
o-Terphenyl	127		70 - 130	12/27/24 13:49	12/30/24 19:11	1

Lab Sample ID: LCS 880-98960/2-A
Matrix: Solid
Analysis Batch: 98997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98960

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	807.9		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-98960/3-A
Matrix: Solid
Analysis Batch: 98997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98960

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	773.4		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-52535-16 MS
Matrix: Solid
Analysis Batch: 98997

Client Sample ID: TP-11 (0-6")
Prep Type: Total/NA
Prep Batch: 98960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	809.9		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	999	901.1		mg/Kg		90	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-52535-16 MSD — **Client Sample ID: TP-11 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 98997 — **Prep Batch: 98960**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	796.2		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	887.3		mg/Kg		89	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98555/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 98836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/26/24 17:40	1

Lab Sample ID: LCS 880-98555/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 98836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-98555/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 98836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-52535-3 MS — **Client Sample ID: TP-03 (0-6")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 98836

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	549	F1 F2	253	1395	F1	mg/Kg		335	90 - 110

Lab Sample ID: 880-52535-3 MSD — **Client Sample ID: TP-03 (0-6")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 98836

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	549	F1 F2	253	788.2	F2	mg/Kg		95	90 - 110	56	20

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-98556/1-A
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/26/24 22:15	1

Lab Sample ID: LCS 880-98556/2-A
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.4		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-98556/3-A
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-52535-13 MS
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: TP-09 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1380		251	1561	E 4	mg/Kg		72	90 - 110		

Lab Sample ID: 880-52535-13 MSD
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: TP-09 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1380		251	1581	E 4	mg/Kg		80	90 - 110	1	20

Lab Sample ID: 880-52535-23 MS
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: SS-05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1270	F1	1240	2940	F1	mg/Kg		134	90 - 110		

Lab Sample ID: 880-52535-23 MSD
Matrix: Solid
Analysis Batch: 98837

Client Sample ID: SS-05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1270	F1	1240	2975	F1	mg/Kg		137	90 - 110	1	20

Lab Sample ID: MB 880-98864/1-A
Matrix: Solid
Analysis Batch: 98946

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/27/24 17:17	1

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-98864/2-A
Matrix: Solid
Analysis Batch: 98946

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.1		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-98864/3-A
Matrix: Solid
Analysis Batch: 98946

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-52535-45 MS
Matrix: Solid
Analysis Batch: 98946

Client Sample ID: SS-02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1690	F1	1250	3398	F1	mg/Kg		136	90 - 110		

Lab Sample ID: 880-52535-45 MSD
Matrix: Solid
Analysis Batch: 98946

Client Sample ID: SS-02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1690	F1	1250	3404	F1	mg/Kg		137	90 - 110	0	20

Lab Sample ID: MB 880-99816/1-A
Matrix: Solid
Analysis Batch: 99825

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/08/25 19:29	1

Lab Sample ID: LCS 880-99816/2-A
Matrix: Solid
Analysis Batch: 99825

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.4		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-99816/3-A
Matrix: Solid
Analysis Batch: 99825

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-52535-26 MS
Matrix: Solid
Analysis Batch: 99825

Client Sample ID: TP-06 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	406	F1	251	744.5	F1	mg/Kg		135	90 - 110		

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-52535-26 MSD
Matrix: Solid
Analysis Batch: 99825

Client Sample ID: TP-06 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	406	F1	251	742.7	F1	mg/Kg		134	90 - 110	0	20

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC/MS VOA

Analysis Batch: 207261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-11	TP-08 (0-6")	Total/NA	Solid	8260C	207416
880-52535-13	TP-09 (1')	Total/NA	Solid	8260C	207416
880-52535-14	TP-10 (0-6")	Total/NA	Solid	8260C	207416
880-52535-15	TP-10 (1')	Total/NA	Solid	8260C	207416
MB 860-207261/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-207261/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-207261/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 207267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	8260C	207416
880-52535-2	TP-02 (0-6")	Total/NA	Solid	8260C	207416
880-52535-3	TP-03 (0-6")	Total/NA	Solid	8260C	207416
880-52535-4	TP-04 (0-6")	Total/NA	Solid	8260C	207416
880-52535-5	TP-04 (1')	Total/NA	Solid	8260C	207416
880-52535-6	TP-05 (0-6")	Total/NA	Solid	8260C	207416
880-52535-7	TP-05 (1')	Total/NA	Solid	8260C	207416
880-52535-8	TP-06 (0-6")	Total/NA	Solid	8260C	207416
880-52535-9	TP-06 (1')	Total/NA	Solid	8260C	207416
880-52535-10	TP-07 (0-6")	Total/NA	Solid	8260C	207416
MB 860-207267/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-207267/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-207267/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 207270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-16	TP-11 (0-6")	Total/NA	Solid	8260C	207416
880-52535-17	TP-11 (1')	Total/NA	Solid	8260C	207416
880-52535-19	TP-12 (1')	Total/NA	Solid	8260C	207416
880-52535-20	TP-13 (0-6")	Total/NA	Solid	8260C	207416
880-52535-21	SS-03	Total/NA	Solid	8260C	207416
880-52535-22	SS-04	Total/NA	Solid	8260C	207416
880-52535-36	TB-14 (0-6")	Total/NA	Solid	8260C	207416
880-52535-37	TB-15 (0-6")	Total/NA	Solid	8260C	207416
880-52535-39	TB-16 (0-6")	Total/NA	Solid	8260C	207416
880-52535-40	TB-17 (0-6")	Total/NA	Solid	8260C	207416
880-52535-41	TB-18 (0-6")	Total/NA	Solid	8260C	207416
880-52535-42	TB-19 (0-6")	Total/NA	Solid	8260C	207416
MB 860-207270/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-207270/1019	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-207270/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 207416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	5035	
880-52535-2	TP-02 (0-6")	Total/NA	Solid	5035	
880-52535-3	TP-03 (0-6")	Total/NA	Solid	5035	
880-52535-4	TP-04 (0-6")	Total/NA	Solid	5035	
880-52535-5	TP-04 (1')	Total/NA	Solid	5035	
880-52535-6	TP-05 (0-6")	Total/NA	Solid	5035	
880-52535-7	TP-05 (1')	Total/NA	Solid	5035	

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC/MS VOA (Continued)

Prep Batch: 207416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-8	TP-06 (0-6")	Total/NA	Solid	5035	
880-52535-9	TP-06 (1')	Total/NA	Solid	5035	
880-52535-10	TP-07 (0-6")	Total/NA	Solid	5035	
880-52535-11	TP-08 (0-6")	Total/NA	Solid	5035	
880-52535-12	TP-09 (0-6")	Total/NA	Solid	5035	
880-52535-13	TP-09 (1')	Total/NA	Solid	5035	
880-52535-14	TP-10 (0-6")	Total/NA	Solid	5035	
880-52535-15	TP-10 (1')	Total/NA	Solid	5035	
880-52535-16	TP-11 (0-6")	Total/NA	Solid	5035	
880-52535-17	TP-11 (1')	Total/NA	Solid	5035	
880-52535-19	TP-12 (1')	Total/NA	Solid	5035	
880-52535-20	TP-13 (0-6")	Total/NA	Solid	5035	
880-52535-21	SS-03	Total/NA	Solid	5035	
880-52535-22	SS-04	Total/NA	Solid	5035	
880-52535-36	TB-14 (0-6")	Total/NA	Solid	5035	
880-52535-37	TB-15 (0-6")	Total/NA	Solid	5035	
880-52535-39	TB-16 (0-6")	Total/NA	Solid	5035	
880-52535-40	TB-17 (0-6")	Total/NA	Solid	5035	
880-52535-41	TB-18 (0-6")	Total/NA	Solid	5035	
880-52535-42	TB-19 (0-6")	Total/NA	Solid	5035	
880-52535-43	PH-01 (1')	Total/NA	Solid	5035	
880-52535-44	SS-01	Total/NA	Solid	5035	
880-52535-45	SS-02	Total/NA	Solid	5035	

Analysis Batch: 207643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-43	PH-01 (1')	Total/NA	Solid	8260C	207416
880-52535-44	SS-01	Total/NA	Solid	8260C	207416
880-52535-45	SS-02	Total/NA	Solid	8260C	207416
MB 860-207643/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-207643/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-207643/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 207806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	Total BTEX	
880-52535-2	TP-02 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-3	TP-03 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-4	TP-04 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-5	TP-04 (1')	Total/NA	Solid	Total BTEX	
880-52535-6	TP-05 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-7	TP-05 (1')	Total/NA	Solid	Total BTEX	
880-52535-8	TP-06 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-9	TP-06 (1')	Total/NA	Solid	Total BTEX	
880-52535-10	TP-07 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-11	TP-08 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-12	TP-09 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-13	TP-09 (1')	Total/NA	Solid	Total BTEX	
880-52535-14	TP-10 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-15	TP-10 (1')	Total/NA	Solid	Total BTEX	
880-52535-16	TP-11 (0-6")	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC/MS VOA (Continued)

Analysis Batch: 207806 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-17	TP-11 (1')	Total/NA	Solid	Total BTEX	
880-52535-18	TP-12 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-19	TP-12 (1')	Total/NA	Solid	Total BTEX	
880-52535-20	TP-13 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-21	SS-03	Total/NA	Solid	Total BTEX	
880-52535-22	SS-04	Total/NA	Solid	Total BTEX	
880-52535-23	SS-05	Total/NA	Solid	Total BTEX	
880-52535-36	TB-14 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-37	TB-15 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-38	TB-15 (1')	Total/NA	Solid	Total BTEX	
880-52535-39	TB-16 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-40	TB-17 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-41	TB-18 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-42	TB-19 (0-6")	Total/NA	Solid	Total BTEX	
880-52535-43	PH-01 (1')	Total/NA	Solid	Total BTEX	
880-52535-44	SS-01	Total/NA	Solid	Total BTEX	
880-52535-45	SS-02	Total/NA	Solid	Total BTEX	

Analysis Batch: 207878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-12	TP-09 (0-6")	Total/NA	Solid	8260C	207416
880-52535-18	TP-12 (0-6")	Total/NA	Solid	8260C	207903
880-52535-23	SS-05	Total/NA	Solid	8260C	207903
880-52535-38	TB-15 (1')	Total/NA	Solid	8260C	207903
MB 860-207878/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-207878/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-207878/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 207903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-18	TP-12 (0-6")	Total/NA	Solid	5035	
880-52535-23	SS-05	Total/NA	Solid	5035	
880-52535-38	TB-15 (1')	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 98959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	8015NM Prep	
880-52535-2	TP-02 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-3	TP-03 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-4	TP-04 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-5	TP-04 (1')	Total/NA	Solid	8015NM Prep	
880-52535-6	TP-05 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-7	TP-05 (1')	Total/NA	Solid	8015NM Prep	
880-52535-8	TP-06 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-9	TP-06 (1')	Total/NA	Solid	8015NM Prep	
880-52535-10	TP-07 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-11	TP-08 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-12	TP-09 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-13	TP-09 (1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC Semi VOA (Continued)

Prep Batch: 98959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-14	TP-10 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-15	TP-10 (1')	Total/NA	Solid	8015NM Prep	
MB 880-98959/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98959/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 98960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-16	TP-11 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-17	TP-11 (1')	Total/NA	Solid	8015NM Prep	
880-52535-18	TP-12 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-19	TP-12 (1')	Total/NA	Solid	8015NM Prep	
880-52535-20	TP-13 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-21	SS-03	Total/NA	Solid	8015NM Prep	
880-52535-22	SS-04	Total/NA	Solid	8015NM Prep	
880-52535-23	SS-05	Total/NA	Solid	8015NM Prep	
880-52535-36	TB-14 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-37	TB-15 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-38	TB-15 (1')	Total/NA	Solid	8015NM Prep	
880-52535-39	TB-16 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-40	TB-17 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-41	TB-18 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-42	TB-19 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-43	PH-01 (1')	Total/NA	Solid	8015NM Prep	
880-52535-44	SS-01	Total/NA	Solid	8015NM Prep	
880-52535-45	SS-02	Total/NA	Solid	8015NM Prep	
MB 880-98960/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98960/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98960/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52535-16 MS	TP-11 (0-6")	Total/NA	Solid	8015NM Prep	
880-52535-16 MSD	TP-11 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	8015B NM	98959
880-52535-2	TP-02 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-3	TP-03 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-4	TP-04 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-5	TP-04 (1')	Total/NA	Solid	8015B NM	98959
880-52535-6	TP-05 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-7	TP-05 (1')	Total/NA	Solid	8015B NM	98959
880-52535-8	TP-06 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-9	TP-06 (1')	Total/NA	Solid	8015B NM	98959
880-52535-10	TP-07 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-11	TP-08 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-12	TP-09 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-13	TP-09 (1')	Total/NA	Solid	8015B NM	98959
880-52535-14	TP-10 (0-6")	Total/NA	Solid	8015B NM	98959
880-52535-15	TP-10 (1')	Total/NA	Solid	8015B NM	98959
MB 880-98959/1-A	Method Blank	Total/NA	Solid	8015B NM	98959
LCS 880-98959/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98959

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC Semi VOA (Continued)

Analysis Batch: 98995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-98959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98959

Analysis Batch: 98997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-16	TP-11 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-17	TP-11 (1')	Total/NA	Solid	8015B NM	98960
880-52535-18	TP-12 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-19	TP-12 (1')	Total/NA	Solid	8015B NM	98960
880-52535-20	TP-13 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-21	SS-03	Total/NA	Solid	8015B NM	98960
880-52535-22	SS-04	Total/NA	Solid	8015B NM	98960
880-52535-23	SS-05	Total/NA	Solid	8015B NM	98960
880-52535-36	TB-14 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-37	TB-15 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-38	TB-15 (1')	Total/NA	Solid	8015B NM	98960
880-52535-39	TB-16 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-40	TB-17 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-41	TB-18 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-42	TB-19 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-43	PH-01 (1')	Total/NA	Solid	8015B NM	98960
880-52535-44	SS-01	Total/NA	Solid	8015B NM	98960
880-52535-45	SS-02	Total/NA	Solid	8015B NM	98960
MB 880-98960/1-A	Method Blank	Total/NA	Solid	8015B NM	98960
LCS 880-98960/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98960
LCSD 880-98960/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98960
880-52535-16 MS	TP-11 (0-6")	Total/NA	Solid	8015B NM	98960
880-52535-16 MSD	TP-11 (0-6")	Total/NA	Solid	8015B NM	98960

Analysis Batch: 99182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Total/NA	Solid	8015 NM	
880-52535-2	TP-02 (0-6")	Total/NA	Solid	8015 NM	
880-52535-3	TP-03 (0-6")	Total/NA	Solid	8015 NM	
880-52535-4	TP-04 (0-6")	Total/NA	Solid	8015 NM	
880-52535-5	TP-04 (1')	Total/NA	Solid	8015 NM	
880-52535-6	TP-05 (0-6")	Total/NA	Solid	8015 NM	
880-52535-7	TP-05 (1')	Total/NA	Solid	8015 NM	
880-52535-8	TP-06 (0-6")	Total/NA	Solid	8015 NM	
880-52535-9	TP-06 (1')	Total/NA	Solid	8015 NM	
880-52535-10	TP-07 (0-6")	Total/NA	Solid	8015 NM	
880-52535-11	TP-08 (0-6")	Total/NA	Solid	8015 NM	
880-52535-12	TP-09 (0-6")	Total/NA	Solid	8015 NM	
880-52535-13	TP-09 (1')	Total/NA	Solid	8015 NM	
880-52535-14	TP-10 (0-6")	Total/NA	Solid	8015 NM	
880-52535-15	TP-10 (1')	Total/NA	Solid	8015 NM	
880-52535-16	TP-11 (0-6")	Total/NA	Solid	8015 NM	
880-52535-17	TP-11 (1')	Total/NA	Solid	8015 NM	
880-52535-18	TP-12 (0-6")	Total/NA	Solid	8015 NM	
880-52535-19	TP-12 (1')	Total/NA	Solid	8015 NM	
880-52535-20	TP-13 (0-6")	Total/NA	Solid	8015 NM	
880-52535-21	SS-03	Total/NA	Solid	8015 NM	

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

GC Semi VOA (Continued)

Analysis Batch: 99182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-22	SS-04	Total/NA	Solid	8015 NM	
880-52535-23	SS-05	Total/NA	Solid	8015 NM	
880-52535-36	TB-14 (0-6")	Total/NA	Solid	8015 NM	
880-52535-37	TB-15 (0-6")	Total/NA	Solid	8015 NM	
880-52535-38	TB-15 (1')	Total/NA	Solid	8015 NM	
880-52535-39	TB-16 (0-6")	Total/NA	Solid	8015 NM	
880-52535-40	TB-17 (0-6")	Total/NA	Solid	8015 NM	
880-52535-41	TB-18 (0-6")	Total/NA	Solid	8015 NM	
880-52535-42	TB-19 (0-6")	Total/NA	Solid	8015 NM	
880-52535-43	PH-01 (1')	Total/NA	Solid	8015 NM	
880-52535-44	SS-01	Total/NA	Solid	8015 NM	
880-52535-45	SS-02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Soluble	Solid	DI Leach	
880-52535-2	TP-02 (0-6")	Soluble	Solid	DI Leach	
880-52535-3	TP-03 (0-6")	Soluble	Solid	DI Leach	
880-52535-4	TP-04 (0-6")	Soluble	Solid	DI Leach	
880-52535-5	TP-04 (1')	Soluble	Solid	DI Leach	
880-52535-6	TP-05 (0-6")	Soluble	Solid	DI Leach	
880-52535-7	TP-05 (1')	Soluble	Solid	DI Leach	
880-52535-8	TP-06 (0-6")	Soluble	Solid	DI Leach	
880-52535-9	TP-06 (1')	Soluble	Solid	DI Leach	
880-52535-10	TP-07 (0-6")	Soluble	Solid	DI Leach	
880-52535-11	TP-08 (0-6")	Soluble	Solid	DI Leach	
880-52535-12	TP-09 (0-6")	Soluble	Solid	DI Leach	
MB 880-98555/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98555/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98555/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52535-3 MS	TP-03 (0-6")	Soluble	Solid	DI Leach	
880-52535-3 MSD	TP-03 (0-6")	Soluble	Solid	DI Leach	

Leach Batch: 98556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-13	TP-09 (1')	Soluble	Solid	DI Leach	
880-52535-14	TP-10 (0-6")	Soluble	Solid	DI Leach	
880-52535-15	TP-10 (1')	Soluble	Solid	DI Leach	
880-52535-16	TP-11 (0-6")	Soluble	Solid	DI Leach	
880-52535-17	TP-11 (1')	Soluble	Solid	DI Leach	
880-52535-18	TP-12 (0-6")	Soluble	Solid	DI Leach	
880-52535-19	TP-12 (1')	Soluble	Solid	DI Leach	
880-52535-20	TP-13 (0-6")	Soluble	Solid	DI Leach	
880-52535-21	SS-03	Soluble	Solid	DI Leach	
880-52535-22	SS-04	Soluble	Solid	DI Leach	
880-52535-23	SS-05	Soluble	Solid	DI Leach	
880-52535-36	TB-14 (0-6")	Soluble	Solid	DI Leach	
880-52535-37	TB-15 (0-6")	Soluble	Solid	DI Leach	
880-52535-38	TB-15 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

HPLC/IC (Continued)

Leach Batch: 98556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-39	TB-16 (0-6")	Soluble	Solid	DI Leach	
880-52535-40	TB-17 (0-6")	Soluble	Solid	DI Leach	
880-52535-41	TB-18 (0-6")	Soluble	Solid	DI Leach	
880-52535-42	TB-19 (0-6")	Soluble	Solid	DI Leach	
880-52535-43	PH-01 (1')	Soluble	Solid	DI Leach	
880-52535-44	SS-01	Soluble	Solid	DI Leach	
MB 880-98556/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98556/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98556/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52535-13 MS	TP-09 (1')	Soluble	Solid	DI Leach	
880-52535-13 MSD	TP-09 (1')	Soluble	Solid	DI Leach	
880-52535-23 MS	SS-05	Soluble	Solid	DI Leach	
880-52535-23 MSD	SS-05	Soluble	Solid	DI Leach	

Analysis Batch: 98836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-1	TP-01 (1')	Soluble	Solid	300.0	98555
880-52535-2	TP-02 (0-6")	Soluble	Solid	300.0	98555
880-52535-3	TP-03 (0-6")	Soluble	Solid	300.0	98555
880-52535-4	TP-04 (0-6")	Soluble	Solid	300.0	98555
880-52535-5	TP-04 (1')	Soluble	Solid	300.0	98555
880-52535-6	TP-05 (0-6")	Soluble	Solid	300.0	98555
880-52535-7	TP-05 (1')	Soluble	Solid	300.0	98555
880-52535-8	TP-06 (0-6")	Soluble	Solid	300.0	98555
880-52535-9	TP-06 (1')	Soluble	Solid	300.0	98555
880-52535-10	TP-07 (0-6")	Soluble	Solid	300.0	98555
880-52535-11	TP-08 (0-6")	Soluble	Solid	300.0	98555
880-52535-12	TP-09 (0-6")	Soluble	Solid	300.0	98555
MB 880-98555/1-A	Method Blank	Soluble	Solid	300.0	98555
LCS 880-98555/2-A	Lab Control Sample	Soluble	Solid	300.0	98555
LCSD 880-98555/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98555
880-52535-3 MS	TP-03 (0-6")	Soluble	Solid	300.0	98555
880-52535-3 MSD	TP-03 (0-6")	Soluble	Solid	300.0	98555

Analysis Batch: 98837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-13	TP-09 (1')	Soluble	Solid	300.0	98556
880-52535-14	TP-10 (0-6")	Soluble	Solid	300.0	98556
880-52535-15	TP-10 (1')	Soluble	Solid	300.0	98556
880-52535-16	TP-11 (0-6")	Soluble	Solid	300.0	98556
880-52535-17	TP-11 (1')	Soluble	Solid	300.0	98556
880-52535-18	TP-12 (0-6")	Soluble	Solid	300.0	98556
880-52535-19	TP-12 (1')	Soluble	Solid	300.0	98556
880-52535-20	TP-13 (0-6")	Soluble	Solid	300.0	98556
880-52535-21	SS-03	Soluble	Solid	300.0	98556
880-52535-22	SS-04	Soluble	Solid	300.0	98556
880-52535-23	SS-05	Soluble	Solid	300.0	98556
880-52535-36	TB-14 (0-6")	Soluble	Solid	300.0	98556
880-52535-37	TB-15 (0-6")	Soluble	Solid	300.0	98556
880-52535-38	TB-15 (1')	Soluble	Solid	300.0	98556
880-52535-39	TB-16 (0-6")	Soluble	Solid	300.0	98556

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

HPLC/IC (Continued)

Analysis Batch: 98837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-40	TB-17 (0-6")	Soluble	Solid	300.0	98556
880-52535-41	TB-18 (0-6")	Soluble	Solid	300.0	98556
880-52535-42	TB-19 (0-6")	Soluble	Solid	300.0	98556
880-52535-43	PH-01 (1')	Soluble	Solid	300.0	98556
880-52535-44	SS-01	Soluble	Solid	300.0	98556
MB 880-98556/1-A	Method Blank	Soluble	Solid	300.0	98556
LCS 880-98556/2-A	Lab Control Sample	Soluble	Solid	300.0	98556
LCSD 880-98556/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98556
880-52535-13 MS	TP-09 (1')	Soluble	Solid	300.0	98556
880-52535-13 MSD	TP-09 (1')	Soluble	Solid	300.0	98556
880-52535-23 MS	SS-05	Soluble	Solid	300.0	98556
880-52535-23 MSD	SS-05	Soluble	Solid	300.0	98556

Leach Batch: 98864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-45	SS-02	Soluble	Solid	DI Leach	
MB 880-98864/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98864/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98864/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52535-45 MS	SS-02	Soluble	Solid	DI Leach	
880-52535-45 MSD	SS-02	Soluble	Solid	DI Leach	

Analysis Batch: 98946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-45	SS-02	Soluble	Solid	300.0	98864
MB 880-98864/1-A	Method Blank	Soluble	Solid	300.0	98864
LCS 880-98864/2-A	Lab Control Sample	Soluble	Solid	300.0	98864
LCSD 880-98864/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98864
880-52535-45 MS	SS-02	Soluble	Solid	300.0	98864
880-52535-45 MSD	SS-02	Soluble	Solid	300.0	98864

Leach Batch: 99816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-24	TP-02 (1')	Soluble	Solid	DI Leach	
880-52535-26	TP-06 (2')	Soluble	Solid	DI Leach	
880-52535-27	TP-06 (4')	Soluble	Solid	DI Leach	
880-52535-28	TP-07 (1')	Soluble	Solid	DI Leach	
880-52535-29	TP-08 (1')	Soluble	Solid	DI Leach	
880-52535-33	TP-17 (1')	Soluble	Solid	DI Leach	
MB 880-99816/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99816/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99816/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52535-26 MS	TP-06 (2')	Soluble	Solid	DI Leach	
880-52535-26 MSD	TP-06 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 99825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-24	TP-02 (1')	Soluble	Solid	300.0	99816
880-52535-26	TP-06 (2')	Soluble	Solid	300.0	99816
880-52535-27	TP-06 (4')	Soluble	Solid	300.0	99816
880-52535-28	TP-07 (1')	Soluble	Solid	300.0	99816

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

HPLC/IC (Continued)

Analysis Batch: 99825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52535-29	TP-08 (1')	Soluble	Solid	300.0	99816
880-52535-33	TP-17 (1')	Soluble	Solid	300.0	99816
MB 880-99816/1-A	Method Blank	Soluble	Solid	300.0	99816
LCS 880-99816/2-A	Lab Control Sample	Soluble	Solid	300.0	99816
LCSD 880-99816/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99816
880-52535-26 MS	TP-06 (2')	Soluble	Solid	300.0	99816
880-52535-26 MSD	TP-06 (2')	Soluble	Solid	300.0	99816

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-01 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 15:39	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 15:39	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/30/24 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98836	12/26/24 19:38	CH	EET MID

Client Sample ID: TP-02 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 16:04	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:04	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 22:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/30/24 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 19:46	CH	EET MID

Client Sample ID: TP-03 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 16:29	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:29	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/30/24 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98836	12/26/24 19:54	CH	EET MID

Client Sample ID: TP-04 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 16:54	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:54	NA	EET HOU

Eurofins Midland

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-04 (0-6")

Lab Sample ID: 880-52535-4
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/30/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 20:18	CH	EET MID

Client Sample ID: TP-04 (1')

Lab Sample ID: 880-52535-5
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 17:19	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 17:19	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/30/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98836	12/26/24 20:25	CH	EET MID

Client Sample ID: TP-05 (0-6")

Lab Sample ID: 880-52535-6
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 17:44	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 17:44	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	98836	12/26/24 20:49	CH	EET MID

Client Sample ID: TP-05 (1')

Lab Sample ID: 880-52535-7
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 18:09	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 18:09	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 00:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 00:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-05 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 20:57	CH	EET MID

Client Sample ID: TP-06 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 18:34	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 18:34	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 01:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 21:05	CH	EET MID

Client Sample ID: TP-06 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 18:58	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 18:58	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 01:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 21:13	CH	EET MID

Client Sample ID: TP-07 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207267	12/23/24 19:23	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 19:23	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 01:59	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98836	12/26/24 21:20	CH	EET MID

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-08 (0-6")

Lab Sample ID: 880-52535-11
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207261	12/23/24 15:35	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 15:35	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 02:20	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98836	12/26/24 21:28	CH	EET MID

Client Sample ID: TP-09 (0-6")

Lab Sample ID: 880-52535-12
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	207878	12/27/24 11:11	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/27/24 11:11	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 02:41	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98555	12/21/24 14:17	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	98836	12/26/24 21:36	CH	EET MID

Client Sample ID: TP-09 (1')

Lab Sample ID: 880-52535-13
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207261	12/23/24 15:56	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 15:56	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 03:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 03:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/26/24 22:39	CH	EET MID

Client Sample ID: TP-10 (0-6")

Lab Sample ID: 880-52535-14
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207261	12/23/24 16:17	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:17	NA	EET HOU

Eurofins Midland

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-10 (0-6")

Lab Sample ID: 880-52535-14
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			99182	12/31/24 03:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 03:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/26/24 23:03	CH	EET MID

Client Sample ID: TP-10 (1')

Lab Sample ID: 880-52535-15
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207261	12/23/24 16:37	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:37	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98959	12/27/24 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98995	12/31/24 03:42	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/26/24 23:10	CH	EET MID

Client Sample ID: TP-11 (0-6")

Lab Sample ID: 880-52535-16
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 15:50	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 15:50	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 20:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 20:12	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/26/24 23:18	CH	EET MID

Client Sample ID: TP-11 (1')

Lab Sample ID: 880-52535-17
Date Collected: 12/18/24 00:00
Matrix: Solid
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 16:10	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:10	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 21:13	SM	EET MID

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-11 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/26/24 23:26	CH	EET MID

Client Sample ID: TP-12 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	207903	12/27/24 09:52	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207878	12/27/24 11:32	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/27/24 11:32	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 21:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 21:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/26/24 23:50	CH	EET MID

Client Sample ID: TP-12 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 16:52	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 16:52	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 21:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 21:54	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/26/24 23:58	CH	EET MID

Client Sample ID: TP-13 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 17:12	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 17:12	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 22:14	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 00:05	CH	EET MID

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: SS-03
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 17:33	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 17:33	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 00:13	CH	EET MID

Client Sample ID: SS-04
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 17:54	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 17:54	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 22:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 00:21	CH	EET MID

Client Sample ID: SS-05
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	207903	12/27/24 09:52	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207878	12/27/24 11:53	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/27/24 11:53	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 23:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 00:29	CH	EET MID

Client Sample ID: TP-02 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:03	CH	EET MID

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TP-06 (2')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:09	CH	EET MID

Client Sample ID: TP-06 (4')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:27	CH	EET MID

Client Sample ID: TP-07 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:32	CH	EET MID

Client Sample ID: TP-08 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:50	CH	EET MID

Client Sample ID: TP-17 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	99816	01/08/25 13:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99825	01/08/25 21:56	CH	EET MID

Client Sample ID: TB-14 (0-6")
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 18:35	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 18:35	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 23:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-14 (0-6")

Lab Sample ID: 880-52535-36
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 00:53	CH	EET MID

Client Sample ID: TB-15 (0-6")

Lab Sample ID: 880-52535-37
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 18:56	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 18:56	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/30/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/30/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 01:01	CH	EET MID

Client Sample ID: TB-15 (1')

Lab Sample ID: 880-52535-38
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	207903	12/27/24 09:52	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207878	12/27/24 12:13	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/27/24 12:13	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 00:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 01:24	CH	EET MID

Client Sample ID: TB-16 (0-6")

Lab Sample ID: 880-52535-39
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 19:37	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 19:37	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 00:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 00:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 01:32	CH	EET MID

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: TB-17 (0-6")

Lab Sample ID: 880-52535-40
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 19:58	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 19:58	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 01:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 01:40	CH	EET MID

Client Sample ID: TB-18 (0-6")

Lab Sample ID: 880-52535-41
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 20:19	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 20:19	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 01:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 01:48	CH	EET MID

Client Sample ID: TB-19 (0-6")

Lab Sample ID: 880-52535-42
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207270	12/23/24 20:39	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/23/24 20:39	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 01:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 01:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98837	12/27/24 01:56	CH	EET MID

Client Sample ID: PH-01 (1')

Lab Sample ID: 880-52535-43
Matrix: Solid
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207643	12/26/24 16:30	A1S	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/26/24 16:30	NA	EET HOU

Eurofins Midland

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Client Sample ID: PH-01 (1')
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			99182	12/31/24 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 02:20	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 02:03	CH	EET MID

Client Sample ID: SS-01
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207643	12/26/24 16:55	A1S	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/26/24 16:55	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 02:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98556	12/21/24 14:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98837	12/27/24 02:11	CH	EET MID

Client Sample ID: SS-02
Date Collected: 12/18/24 00:00
Date Received: 12/20/24 09:45

Lab Sample ID: 880-52535-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	207416	12/23/24 13:43	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	207643	12/26/24 17:20	A1S	EET HOU
Total/NA	Analysis	Total BTEX		1			207806	12/26/24 17:20	NA	EET HOU
Total/NA	Analysis	8015 NM		1			99182	12/31/24 03:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98960	12/27/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98997	12/31/24 03:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98864	12/26/24 15:56	CH	EET MID
Soluble	Analysis	300.0		5			98946	12/27/24 17:34	CH	EET MID

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: KLJ Engineering LLC
Project/Site: 28-16-232H

Job ID: 880-52535-1
SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52535-1	TP-01 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-2	TP-02 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-3	TP-03 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-4	TP-04 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-5	TP-04 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-6	TP-05 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-7	TP-05 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-8	TP-06 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-9	TP-06 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-10	TP-07 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-11	TP-08 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-12	TP-09 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-13	TP-09 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-14	TP-10 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-15	TP-10 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-16	TP-11 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-17	TP-11 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-18	TP-12 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-19	TP-12 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-20	TP-13 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-21	SS-03	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-22	SS-04	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-23	SS-05	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-24	TP-02 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-26	TP-06 (2')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-27	TP-06 (4')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-28	TP-07 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-29	TP-08 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-33	TP-17 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-36	TB-14 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-37	TB-15 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-38	TB-15 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-39	TB-16 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-40	TB-17 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-41	TB-18 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-42	TB-19 (0-6")	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-43	PH-01 (1')	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-44	SS-01	Solid	12/18/24 00:00	12/20/24 09:45
880-52535-45	SS-02	Solid	12/18/24 00:00	12/20/24 09:45

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-52535 Chain of Custody

www.xenco.com Page

Project Manager:	ROBERT RAUP	Bill to: (if different)	SAME
Company Name:	KLJ ENGINEERING	Company Name:	
Address:	400 INVERNESS PKWY STE 150	Address:	
City, State ZIP:	ENGLEWOOD, CO 80112	City, State ZIP:	Bob.Raup@kljeng.com
Phone:	701-310-5194	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MARWARI 25-16-232H	Turn Around	
Project Number:	2407-01664	☒ Routine ☐ Rush	
Project Location:	JAL, NM	Due Date:	
Sampler's Name:	BOB RAUP	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-9.9	
Total Containers:		Corrected Temperature:	-10.0	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDE - EPA 300	TPH - 8015 (GRO/DRO/MRO)	BTEX - 8260
TP-01 (1')	S	12/18/24	0845	1'	C	1		X	X	X
TP-02 (0-6")			0900	0-6"	C					
TP-03 (0-6")			0920	0-6"	C					
TP-04 (0-6")			0940	0-6"	C					
TP-04 (1')			0945	1'	C					
TP-05 (0-6")			1020	0-6"	C					
TP-05 (1')			1030	1'	C					
TP-06 (0-6")			1100	0-6"	C					
TP-06 (1')			1110	1'	C					
TP-07 (0-6")			1135	0-6"	C					

Sample Comments

KLJ Engineering Reimagined

BOB RAUP
Group Leader/Environmental Spec. - Oil & Gas
400 Inverness Pkwy, Suite 150
Englewood, CO 80112-5850
P 720-734-3663 C 701-310-5194
bob.raup@kljeng.com
KLJENG.COM

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 535

www.xenco.com Page 2 of 45

Project Manager:	ROBERT RAUP	Bill to: (if different)	SAME
Company Name:	KLJ ENGINEERING	Company Name:	
Address:	400 INVERNESS PKWY STE 150	Address:	
City, State ZIP:	ENGLEWOOD, CO 80112	City, State ZIP:	
Phone:	701-310-5194	Email:	Bob.Raup@kljeng.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MARWARI 25-16-232H	Turn Around	
Project Number:	2407-01664	☒ Routine ☐ Rush	
Project Location:	JAL, NM	Due Date:	
Sampler's Name:	BOB RAUP	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDE - EPA 300	TPH: 8015 (DRO/GRO/MRO)	BTEX - 8260	Sample Comments
TP-08 (0-6")	S	12/18/24	1150	0-6"	C	1		X	X	X	
TP-09 (0-6")			1215	0-6"	C						
TP-09 (1')			1220	1'	C						
TP-10 (0-6")			1235	0-6"	C						
TP-10 (1')			1240	1'	C						
TP-11 (0-6")			1255	0-6"	C						
TP-11 (1')			1300	1'	C						
TP-12 (0-6")			1320	0-6"	C						
TP-12 (1')			1325	1'	C						
TP-13 (0-6")			1340	0-6"	C						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 535 RR

www.xenco.com Page 3 of 5

Project Manager:	ROBERT RAUP	Bill to: (if different)	SAME
Company Name:	KLJ ENGINEERING	Company Name:	
Address:	460 INVERNESS PKWY STE 150	Address:	
City, State ZIP:	ENGLEWOOD, CO 80112	City, State ZIP:	
Phone:	701-310-5794	Email:	Bob.Raup@kljeng.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MADWARI 28-16-232H	Turn Around	
Project Number:	2407-01604	☒ Routine ☐ Rush	
Project Location:	JAL, NM	Due Date:	
Sampler's Name:	BOB RAUP	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride - EPA 300	TPH - 8015 (GRO / DRO / MRO)	BTEX - 8260	Sample Comments
SS-03	S	12/18/24	1310	0'	G	1		X	X	X	
SS-04			1312	0'	G						
SS-05			1315	0'	G						
TP-02 (1') ~~HOLD~~			0905	1'	C						PLEASE HOLD SAMPLES
TP-03 (1')			0925	1'	C						
TP-06 (2')			1110	2'	C						
TP-06 (4')			1115	4'	C						
TP-07 (1')			1140	1'	C						
TP-08 (1')			1155	1'	C						
TP-13 (1')			1345	1'	C						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 535 (RF)

www.xenco.com Page 4 of 45

Project Manager:	ROBERT RAUP	Bill to: (if different)	SAME
Company Name:	KLJ ENGINEERING	Company Name:	
Address:	400 INVERNESS PKWY STE 150	Address:	
City, State ZIP:	ENGLEWOOD, CO 80112	City, State ZIP:	
Phone:	701-310-5194	Email:	Bob.Raup@kljeng.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MARWARI 28-16-232H	Turn Around	
Project Number:	2407-01664	☒ Routine ☐ Rush	
Project Location:	JAL, NM	Due Date:	
Sampler's Name:	BOB RAUP	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride - EPA 300	Parameters: TPH - SW846 (GRO/DRO/MRO)	Parameters: BTEX - 8021B	Sample Comments
TP-14 (1')	S	12/18/24	1335	1'	C	1		X	X	X	PLACE ON HOLD
TP-16 (1')			1415	1'	C						
TP-17 (1')			1417	1'	C						
TP-18 (1')			1425	1'	C						
TP-19 (1')			1440	1'	C						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 535

www.xenco.com Page 5 of 5

Project Manager:	ROBERT RAUP	Bill to: (if different)	SAME
Company Name:	RLJ ENGINEERING	Company Name:	
Address:	400 INVERNESS PKWY STE 150	Address:	
City, State ZIP:	ENGLEWOOD, CO 80112	City, State ZIP:	
Phone:	701-310-5194	Email:	Bob.Raup@RLJeng.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MARWARI 28-16-232H	Turn Around	
Project Number:	2407-016664	☒ Routine ☐ Rush	
Project Location:	JAL, NM	Due Date:	
Sampler's Name:	BOB RAUP	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Chloride - EPA 300	TPH (GRO/DRO/MRO) 8015	BTEX - 8260	Sample Comments
TP-14 (0-6")	S	12/8/24	1330	0-6"	C	1	X	X	X	
TP-15 (0-6")			1340	0-6"	C					
TP-15 (1')			1345	1'	C					
TP-16 (0-6")			1400	0-6"	C					
TP-17 (0-6")			1410	0-6"	C					
TP-18 (0-6")			1420	0-6"	C					
TP-19 (0-6")			1435	0-6"	C					
PH-01 (1')			1440	1'	C					
SS-01			1305	0"	G					
SS-02	↓	↓	1307	0"	G	↓	↓	↓	↓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

535

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12/2/24 0945	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: KLJ Engineering LLC

Job Number: 880-52535-1
SDG Number: Jal, NM

Login Number: 52535
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: KLJ Engineering LLC

Job Number: 880-52535-1
SDG Number: Jal, NM

Login Number: 52535
List Number: 2
Creator: Baker, Jeremiah

List Source: Eurofins Houston
List Creation: 12/21/24 11:30 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Peppin
KLJ Engineering LLC
4601 Jones street
Carlsbad, New Mexico 88220

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JOB DESCRIPTION

Marwari 28 16 st Fed Com #232H

JOB NUMBER

885-22991-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

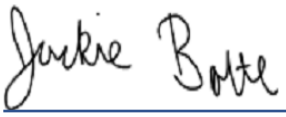
See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
Designee for
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Laboratory Job ID: 885-22991-1

Table of Contents

Definitions/Glossary

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1 Eurofins Albuquerque

Job Narrative
885-22991-1

REVISION

The report being provided is a revision of the original report sent on 4/17/2025. The report (revision 1) is being revised due to Changing client company name on report..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/10/2025 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: BS 6 0.25 (885-22991-6). Despite this high bias, samples were found to be non-detect for target analytes; therefore data has been reported.

Method 8015D_DRO: The method blank for preparation batch 885-24131 and analytical batch 885-24185 contained Diesel Range Organics [C10-C28] above the RL. Re-running MB and not reporting any associated samples.

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-24131 and analytical batch 885-24185 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015D_DRO: Surrogate recovery for the following sample was outside the upper control limit: BS 2 0.25' (885-22991-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015D_DRO: The matrix spike duplicate (MSD) recovery for preparation batch 885-24131 and analytical batch 885-24349 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: (MB 885-24131/1-A). Despite this high bias, the sample was non-detect for target analytes. Any associated samples with passing surrogate have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 1 0.25'

Date Collected: 04/08/25 11:00
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-1

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/10/25 14:24	04/12/25 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*04/10/25 14:24*	*04/12/25 02:31*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 02:31	1
Ethylbenzene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 02:31	1
Toluene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 02:31	1
Xylenes, Total	ND		0.095		mg/Kg		04/10/25 14:24	04/12/25 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/10/25 14:24*	*04/12/25 02:31*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1300**		20		mg/Kg		04/11/25 12:31	04/15/25 22:48	2
Motor Oil Range Organics [C28-C40]	**640**		98		mg/Kg		04/11/25 12:31	04/15/25 22:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*122*		*62 - 134*	*04/11/25 12:31*	*04/15/25 22:48*	*2*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		60		mg/Kg		04/11/25 10:14	04/11/25 14:01	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 2 0.25'

Date Collected: 04/08/25 11:02
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-2

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/10/25 14:24	04/12/25 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/10/25 14:24*	*04/12/25 02:53*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 02:53	1
Ethylbenzene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 02:53	1
Toluene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 02:53	1
Xylenes, Total	ND		0.097		mg/Kg		04/10/25 14:24	04/12/25 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 02:53*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		04/11/25 12:31	04/11/25 18:00	1
Motor Oil Range Organics [C28-C40]	**100**		46		mg/Kg		04/11/25 12:31	04/11/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*131*		*62 - 134*	*04/11/25 12:31*	*04/11/25 18:00*	*1*
Di-n-octyl phthalate (Surr)	*138*	*S1+*	*62 - 134*	*04/11/25 12:31*	*04/15/25 09:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		60		mg/Kg		04/11/25 10:14	04/11/25 14:12	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 3 0.25'

Date Collected: 04/08/25 11:03
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-3

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		04/10/25 14:24	04/12/25 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*04/10/25 14:24*	*04/12/25 03:37*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/10/25 14:24	04/12/25 03:37	1
Ethylbenzene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 03:37	1
Toluene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 03:37	1
Xylenes, Total	ND		0.094		mg/Kg		04/10/25 14:24	04/12/25 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/10/25 14:24*	*04/12/25 03:37*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		04/11/25 12:31	04/11/25 18:12	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/11/25 12:31	04/11/25 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*04/11/25 12:31*	*04/11/25 18:12*	*1*
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*04/11/25 12:31*	*04/15/25 10:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		60		mg/Kg		04/11/25 10:14	04/11/25 14:22	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 4 1'

Date Collected: 04/08/25 11:26
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-4

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/10/25 14:24	04/12/25 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*04/10/25 14:24*	*04/12/25 03:59*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 03:59	1
Ethylbenzene	ND		0.049		mg/Kg		04/10/25 14:24	04/12/25 03:59	1
Toluene	ND		0.049		mg/Kg		04/10/25 14:24	04/12/25 03:59	1
Xylenes, Total	ND		0.097		mg/Kg		04/10/25 14:24	04/12/25 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*04/10/25 14:24*	*04/12/25 03:59*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1		mg/Kg		04/11/25 12:31	04/11/25 18:24	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/11/25 12:31	04/11/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*04/11/25 12:31*	*04/11/25 18:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		60		mg/Kg		04/11/25 10:14	04/11/25 14:32	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 5 0.25'

Date Collected: 04/08/25 13:54
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-5

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/10/25 14:24	04/12/25 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/10/25 14:24*	*04/12/25 04:21*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 04:21	1
Ethylbenzene	ND		0.049		mg/Kg		04/10/25 14:24	04/12/25 04:21	1
Toluene	ND		0.049		mg/Kg		04/10/25 14:24	04/12/25 04:21	1
Xylenes, Total	ND		0.098		mg/Kg		04/10/25 14:24	04/12/25 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*04/10/25 14:24*	*04/12/25 04:21*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1		mg/Kg		04/11/25 12:31	04/11/25 18:37	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/11/25 12:31	04/11/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*04/11/25 12:31*	*04/11/25 18:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**460**		60		mg/Kg		04/11/25 10:14	04/11/25 14:43	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 6 0.25

Date Collected: 04/08/25 13:56
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-6

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		04/10/25 14:24	04/12/25 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/10/25 14:24*	*04/12/25 04:43*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/10/25 14:24	04/12/25 04:43	1
Ethylbenzene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 04:43	1
Toluene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 04:43	1
Xylenes, Total	ND		0.093		mg/Kg		04/10/25 14:24	04/12/25 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 04:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		04/11/25 12:31	04/11/25 18:49	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/11/25 12:31	04/11/25 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*139*	*S1+*	*62 - 134*	*04/11/25 12:31*	*04/11/25 18:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		60		mg/Kg		04/11/25 10:14	04/11/25 15:14	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 7 0.25'

Date Collected: 04/08/25 13:57
Date Received: 04/10/25 07:50

Lab Sample ID: 885-22991-7

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		04/10/25 14:24	04/12/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*04/10/25 14:24*	*04/12/25 05:05*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/10/25 14:24	04/12/25 05:05	1
Ethylbenzene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 05:05	1
Toluene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 05:05	1
Xylenes, Total	ND		0.094		mg/Kg		04/10/25 14:24	04/12/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 05:05*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**810**		9.4		mg/Kg		04/11/25 12:31	04/11/25 19:14	1
Motor Oil Range Organics [C28-C40]	**450**		47		mg/Kg		04/11/25 12:31	04/11/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*04/11/25 12:31*	*04/11/25 19:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		60		mg/Kg		04/11/25 10:14	04/11/25 15:24	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 8 0.25'

Lab Sample ID: 885-22991-8
Matrix: Solid
Date Collected: 04/08/25 13:58
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/10/25 14:24	04/12/25 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*04/10/25 14:24*	*04/12/25 05:27*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 05:27	1
Ethylbenzene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 05:27	1
Toluene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 05:27	1
Xylenes, Total	ND		0.095		mg/Kg		04/10/25 14:24	04/12/25 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 05:27*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		04/11/25 12:31	04/11/25 19:26	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/11/25 12:31	04/11/25 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*04/11/25 12:31*	*04/11/25 19:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		61		mg/Kg		04/11/25 10:14	04/11/25 15:34	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 9 0.25' Lab Sample ID: 885-22991-9

Date Collected: 04/08/25 13:59 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		04/10/25 14:24	04/12/25 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*04/10/25 14:24*	*04/12/25 05:49*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/10/25 14:24	04/12/25 05:49	1
Ethylbenzene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 05:49	1
Toluene	ND		0.047		mg/Kg		04/10/25 14:24	04/12/25 05:49	1
Xylenes, Total	ND		0.093		mg/Kg		04/10/25 14:24	04/12/25 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 05:49*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		04/11/25 12:31	04/11/25 19:38	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/11/25 12:31	04/11/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*123*		*62 - 134*	*04/11/25 12:31*	*04/11/25 19:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3300**		59		mg/Kg		04/11/25 10:14	04/11/25 15:45	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 10 0.25'

Lab Sample ID: 885-22991-10
Matrix: Solid
Date Collected: 04/08/25 14:00
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/10/25 14:24	04/12/25 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*04/10/25 14:24*	*04/12/25 06:11*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/10/25 14:24	04/12/25 06:11	1
Ethylbenzene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 06:11	1
Toluene	ND		0.048		mg/Kg		04/10/25 14:24	04/12/25 06:11	1
Xylenes, Total	ND		0.095		mg/Kg		04/10/25 14:24	04/12/25 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/10/25 14:24*	*04/12/25 06:11*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/11/25 12:31	04/11/25 19:51	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/11/25 12:31	04/11/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*04/11/25 12:31*	*04/11/25 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**710**		60		mg/Kg		04/11/25 10:14	04/11/25 15:55	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 11 0.25'
Lab Sample ID: 885-22991-11
Date Collected: 04/08/25 14:01
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6		mg/Kg		04/10/25 14:24	04/12/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*04/10/25 14:24*	*04/12/25 06:33*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/10/25 14:24	04/12/25 06:33	1
Ethylbenzene	ND		0.046		mg/Kg		04/10/25 14:24	04/12/25 06:33	1
Toluene	ND		0.046		mg/Kg		04/10/25 14:24	04/12/25 06:33	1
Xylenes, Total	ND		0.092		mg/Kg		04/10/25 14:24	04/12/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/10/25 14:24*	*04/12/25 06:33*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1900**		50		mg/Kg		04/11/25 12:31	04/15/25 23:25	5
Motor Oil Range Organics [C28-C40]	**1300**		250		mg/Kg		04/11/25 12:31	04/15/25 23:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*04/11/25 12:31*	*04/15/25 23:25*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		60		mg/Kg		04/11/25 10:14	04/11/25 16:05	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 12 0.25'

Lab Sample ID: 885-22991-12
Matrix: Solid
Date Collected: 04/08/25 14:02
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		04/10/25 14:24	04/12/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/10/25 14:24*	*04/12/25 06:54*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/10/25 14:24	04/12/25 06:54	1
Ethylbenzene	ND		0.050		mg/Kg		04/10/25 14:24	04/12/25 06:54	1
Toluene	ND		0.050		mg/Kg		04/10/25 14:24	04/12/25 06:54	1
Xylenes, Total	ND		0.10		mg/Kg		04/10/25 14:24	04/12/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*	*04/10/25 14:24*	*04/12/25 06:54*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12**		9.5		mg/Kg		04/11/25 12:31	04/15/25 10:21	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/11/25 12:31	04/15/25 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*125*		*62 - 134*	*04/11/25 12:31*	*04/15/25 10:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		60		mg/Kg		04/13/25 13:11	04/13/25 16:22	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 13 0.25' Lab Sample ID: 885-22991-13

Date Collected: 04/08/25 14:03 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*35 - 166*	*04/11/25 12:06*	*04/14/25 16:58*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 16:58	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 16:58	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 16:58	1
Xylenes, Total	ND		0.097		mg/Kg		04/11/25 12:06	04/14/25 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 16:58*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12**	**F1**	9.4		mg/Kg		04/11/25 14:23	04/14/25 17:04	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/11/25 14:23	04/14/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*04/11/25 14:23*	*04/14/25 17:04*	*1*
Di-n-octyl phthalate (Surr)	*124*		*62 - 134*	*04/11/25 14:23*	*04/16/25 10:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		60		mg/Kg		04/13/25 13:11	04/13/25 16:31	20

Client Sample Results

Client: KLJ Engineering LLC
Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 1 0-1'
Lab Sample ID: 885-22991-14
Date Collected: 04/08/25 11:24
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*04/11/25 12:06*	*04/14/25 18:09*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 18:09	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 18:09	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 18:09	1
Xylenes, Total	ND		0.099		mg/Kg		04/11/25 12:06	04/14/25 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*04/11/25 12:06*	*04/14/25 18:09*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**15**		9.3		mg/Kg		04/11/25 14:23	04/14/25 17:40	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/11/25 14:23	04/14/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*04/11/25 14:23*	*04/14/25 17:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1100**		60		mg/Kg		04/13/25 13:11	04/13/25 17:01	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 2 0-0.25' Lab Sample ID: 885-22991-15

Date Collected: 04/08/25 14:09 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*04/11/25 12:06*	*04/14/25 19:20*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 19:20	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 19:20	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 19:20	1
Xylenes, Total	ND		0.098		mg/Kg		04/11/25 12:06	04/14/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*04/11/25 12:06*	*04/14/25 19:20*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		04/11/25 14:23	04/14/25 17:52	1
Motor Oil Range Organics [C28-C40]	**49**		48		mg/Kg		04/11/25 14:23	04/14/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*04/11/25 14:23*	*04/14/25 17:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**370**		60		mg/Kg		04/13/25 13:11	04/13/25 17:30	20

Client Sample Results

Client: KLJ Engineering LLC
Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 3 0-0.25'
Lab Sample ID: 885-22991-16
Date Collected: 04/08/25 14:10
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6		mg/Kg		04/11/25 12:06	04/14/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*04/11/25 12:06*	*04/14/25 19:44*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/11/25 12:06	04/14/25 19:44	1
Ethylbenzene	ND		0.046		mg/Kg		04/11/25 12:06	04/14/25 19:44	1
Toluene	ND		0.046		mg/Kg		04/11/25 12:06	04/14/25 19:44	1
Xylenes, Total	ND		0.093		mg/Kg		04/11/25 12:06	04/14/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*04/11/25 12:06*	*04/14/25 19:44*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**270**		9.7		mg/Kg		04/11/25 14:23	04/14/25 18:04	1
Motor Oil Range Organics [C28-C40]	**170**		48		mg/Kg		04/11/25 14:23	04/14/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*04/11/25 14:23*	*04/14/25 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**940**		60		mg/Kg		04/13/25 13:11	04/13/25 17:40	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 4 0-0.25' Lab Sample ID: 885-22991-17

Date Collected: 04/08/25 14:11 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		04/11/25 12:06	04/14/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*04/11/25 12:06*	*04/14/25 20:08*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 20:08	1
Ethylbenzene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 20:08	1
Toluene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 20:08	1
Xylenes, Total	ND		0.10		mg/Kg		04/11/25 12:06	04/14/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*04/11/25 12:06*	*04/14/25 20:08*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		04/11/25 14:23	04/14/25 18:16	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/11/25 14:23	04/14/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*04/11/25 14:23*	*04/14/25 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		60		mg/Kg		04/13/25 13:11	04/13/25 17:50	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 5 0-0.25' Lab Sample ID: 885-22991-18

Date Collected: 04/08/25 14:08 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		04/11/25 12:06	04/14/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*04/11/25 12:06*	*04/14/25 20:32*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 20:32	1
Ethylbenzene	ND		0.047		mg/Kg		04/11/25 12:06	04/14/25 20:32	1
Toluene	ND		0.047		mg/Kg		04/11/25 12:06	04/14/25 20:32	1
Xylenes, Total	ND		0.095		mg/Kg		04/11/25 12:06	04/14/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/11/25 12:06*	*04/14/25 20:32*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**15**		9.2		mg/Kg		04/11/25 14:23	04/14/25 18:28	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/11/25 14:23	04/14/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*04/11/25 14:23*	*04/14/25 18:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		60		mg/Kg		04/13/25 13:11	04/13/25 18:20	20

Client Sample Results

Client: KLJ Engineering LLC
Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 6 0-0.25'
Lab Sample ID: 885-22991-19
Date Collected: 04/08/25 14:04
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*04/11/25 12:06*	*04/14/25 20:55*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 20:55	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 20:55	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 20:55	1
Xylenes, Total	ND		0.099		mg/Kg		04/11/25 12:06	04/14/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*04/11/25 12:06*	*04/14/25 20:55*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		04/11/25 14:23	04/14/25 18:40	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/11/25 14:23	04/14/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*126*		*62 - 134*	*04/11/25 14:23*	*04/14/25 18:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59		mg/Kg		04/13/25 13:11	04/13/25 18:29	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 7 0-0.25' Lab Sample ID: 885-22991-20

Date Collected: 04/08/25 14:06 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/11/25 12:06	04/14/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*04/11/25 12:06*	*04/14/25 21:19*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 21:19	1
Ethylbenzene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 21:19	1
Toluene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 21:19	1
Xylenes, Total	ND		0.096		mg/Kg		04/11/25 12:06	04/14/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*04/11/25 12:06*	*04/14/25 21:19*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**10**		9.6		mg/Kg		04/11/25 14:23	04/14/25 18:53	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/11/25 14:23	04/14/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*04/11/25 14:23*	*04/14/25 18:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/13/25 13:11	04/13/25 18:39	20

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-24031/1-A
Matrix: Solid
Analysis Batch: 24179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24031

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		04/10/25 14:24	04/11/25 21:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*04/10/25 14:24*	*04/11/25 21:47*	*1*

Lab Sample ID: LCS 885-24031/2-A
Matrix: Solid
Analysis Batch: 24179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24031

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	26.6		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*216*	*S1+*	*35 - 166*

Lab Sample ID: MB 885-24119/1-A
Matrix: Solid
Analysis Batch: 24236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24119

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		04/11/25 12:06	04/14/25 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*35 - 166*	*04/11/25 12:06*	*04/14/25 16:34*	*1*

Lab Sample ID: LCS 885-24119/2-A
Matrix: Solid
Analysis Batch: 24236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24119

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	30.4		mg/Kg		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*222*		*35 - 166*

Lab Sample ID: 885-22991-13 MS
Matrix: Solid
Analysis Batch: 24236

Client Sample ID: BS 13 0.25'
Prep Type: Total/NA
Prep Batch: 24119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.3	28.4		mg/Kg		117	70 - 130		

QC Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-22991-13 MS **Client Sample ID: BS 13 0.25'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 24236 **Prep Batch: 24119**

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	217		35 - 166

Lab Sample ID: 885-22991-13 MSD **Client Sample ID: BS 13 0.25'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 24236 **Prep Batch: 24119**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.4	28.3		mg/Kg		116	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	210		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24031/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 24180 **Prep Batch: 24031**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/10/25 14:24	04/11/25 21:47	1
Ethylbenzene	ND		0.050		mg/Kg		04/10/25 14:24	04/11/25 21:47	1
Toluene	ND		0.050		mg/Kg		04/10/25 14:24	04/11/25 21:47	1
Xylenes, Total	ND		0.10		mg/Kg		04/10/25 14:24	04/11/25 21:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145	04/10/25 14:24	04/11/25 21:47	1

Lab Sample ID: LCS 885-24031/3-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 24180 **Prep Batch: 24031**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.989		mg/Kg		99	70 - 130		
Ethylbenzene			1.00	0.993		mg/Kg		99	70 - 130		
Toluene			1.00	0.978		mg/Kg		98	70 - 130		
m,p-Xylene			2.00	2.01		mg/Kg		100	70 - 130		
o-Xylene			1.00	0.997		mg/Kg		100	70 - 130		
Xylenes, Total			3.00	3.01		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		48 - 145

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-24119/1-A
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24119

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Ethylbenzene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Toluene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Xylenes, Total	ND		0.10		mg/Kg		04/11/25 12:06	04/14/25 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 16:34*	*1*

Lab Sample ID: LCS 885-24119/3-A
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.07		mg/Kg		107	70 - 130
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130
Toluene	1.00	1.07		mg/Kg		107	70 - 130
m,p-Xylene	2.00	2.29		mg/Kg		115	70 - 130
o-Xylene	1.00	1.11		mg/Kg		111	70 - 130
Xylenes, Total	3.00	3.40		mg/Kg		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*48 - 145*

Lab Sample ID: 885-22991-14 MS
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: WS 1 0-1'
Prep Type: Total/NA
Prep Batch: 24119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.989	1.03		mg/Kg		104	70 - 130
Ethylbenzene	ND		0.989	1.02		mg/Kg		104	70 - 130
Toluene	ND		0.989	1.04		mg/Kg		105	70 - 130
m,p-Xylene	ND		1.98	2.21		mg/Kg		112	70 - 130
o-Xylene	ND		0.989	1.04		mg/Kg		105	70 - 130
Xylenes, Total	ND		2.97	3.25		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*

Lab Sample ID: 885-22991-14 MSD
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: WS 1 0-1'
Prep Type: Total/NA
Prep Batch: 24119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.990	1.01		mg/Kg		102	70 - 130	2	20
Ethylbenzene	ND		0.990	1.00		mg/Kg		101	70 - 130	2	20
Toluene	ND		0.990	1.01		mg/Kg		102	70 - 130	3	20
m,p-Xylene	ND		1.98	2.13		mg/Kg		108	70 - 130	4	20
o-Xylene	ND		0.990	1.03		mg/Kg		104	70 - 130	1	20

QC Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-22991-14 MSD Client Sample ID: WS 1 0-1'
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 24235 Prep Batch: 24119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	ND		2.97	3.16		mg/Kg		107	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-24121/1-A Client Sample ID: Method Blank
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 24076 Prep Batch: 24121

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/11/25 12:31	04/11/25 16:59	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/11/25 12:31	04/11/25 16:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/11/25 12:31*	*04/11/25 16:59*	*1*

Lab Sample ID: LCS 885-24121/2-A Client Sample ID: Lab Control Sample
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 24076 Prep Batch: 24121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	49.2		mg/Kg		98	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*

Lab Sample ID: 885-22991-1 MS Client Sample ID: BS 1 0.25'
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 24267 Prep Batch: 24121

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	1300		47.0	1840	4	mg/Kg		1097	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*

Lab Sample ID: 885-22991-1 MSD Client Sample ID: BS 1 0.25'
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 24267 Prep Batch: 24121

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1300		47.8	1620	4	mg/Kg		621	44 - 136	13	32

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-22991-1 MSD
Matrix: Solid
Analysis Batch: 24267

Client Sample ID: BS 1 0.25'
Prep Type: Total/NA
Prep Batch: 24121

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	98		62 - 134

Lab Sample ID: MB 885-24131/1-A
Matrix: Solid
Analysis Batch: 24349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24131

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/11/25 14:23	04/16/25 10:22	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/11/25 14:23	04/16/25 10:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	135	S1+	62 - 134	04/11/25 14:23	04/16/25 10:22	1

Lab Sample ID: LCS 885-24131/2-A
Matrix: Solid
Analysis Batch: 24185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24131

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	63.0		mg/Kg		126	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	96		62 - 134

Lab Sample ID: 885-22991-13 MS
Matrix: Solid
Analysis Batch: 24185

Client Sample ID: BS 13 0.25'
Prep Type: Total/NA
Prep Batch: 24131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	12	F1	46.2	27.5	F1	mg/Kg		34	44 - 136		

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	96		62 - 134

Lab Sample ID: 885-22991-13 MS
Matrix: Solid
Analysis Batch: 24349

Client Sample ID: BS 13 0.25'
Prep Type: Total/NA
Prep Batch: 24131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	16	F1	46.2	36.4		mg/Kg		44	44 - 136		

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	96		62 - 134

QC Sample Results

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-22991-13 MSD — **Client Sample ID: BS 13 0.25'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24185 — **Prep Batch: 24131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	12	F1	48.6	28.7	F1	mg/Kg		34	44 - 136	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*

Lab Sample ID: 885-22991-13 MSD — **Client Sample ID: BS 13 0.25'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24349 — **Prep Batch: 24131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	16	F1	48.6	29.6	F1	mg/Kg		28	44 - 136	21	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-24097/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24098 — **Prep Batch: 24097**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		04/11/25 10:14	04/11/25 11:04	1

Lab Sample ID: LCS 885-24097/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24098 — **Prep Batch: 24097**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.3		mg/Kg		96	90 - 110		

Lab Sample ID: MB 885-24165/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24163 — **Prep Batch: 24165**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		04/13/25 13:11	04/13/25 14:14	1

Lab Sample ID: LCS 885-24165/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24163 — **Prep Batch: 24165**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	30.9		mg/Kg		103	90 - 110		

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-22991-13 MS
Matrix: Solid
Analysis Batch: 24163

Client Sample ID: BS 13 0.25'
Prep Type: Total/NA
Prep Batch: 24165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	390		29.7	418	4	mg/Kg		82	50 - 150

Lab Sample ID: 885-22991-13 MSD
Matrix: Solid
Analysis Batch: 24163

Client Sample ID: BS 13 0.25'
Prep Type: Total/NA
Prep Batch: 24165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	390		30.1	418	4	mg/Kg		82	50 - 150	0	20

Lab Sample ID: 885-22991-14 MS
Matrix: Solid
Analysis Batch: 24163

Client Sample ID: WS 1 0-1'
Prep Type: Total/NA
Prep Batch: 24165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1100		30.1	1080	4	mg/Kg		52	50 - 150

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

GC VOA

Prep Batch: 24031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	5030C	
885-22991-2	BS 2 0.25'	Total/NA	Solid	5030C	
885-22991-3	BS 3 0.25'	Total/NA	Solid	5030C	
885-22991-4	BS 4 1'	Total/NA	Solid	5030C	
885-22991-5	BS 5 0.25'	Total/NA	Solid	5030C	
885-22991-6	BS 6 0.25	Total/NA	Solid	5030C	
885-22991-7	BS 7 0.25'	Total/NA	Solid	5030C	
885-22991-8	BS 8 0.25'	Total/NA	Solid	5030C	
885-22991-9	BS 9 0.25'	Total/NA	Solid	5030C	
885-22991-10	BS 10 0.25'	Total/NA	Solid	5030C	
885-22991-11	BS 11 0.25'	Total/NA	Solid	5030C	
885-22991-12	BS 12 0.25'	Total/NA	Solid	5030C	
MB 885-24031/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24031/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24031/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 24119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-13	BS 13 0.25'	Total/NA	Solid	5030C	
885-22991-14	WS 1 0-1'	Total/NA	Solid	5030C	
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	5030C	
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	5030C	
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	5030C	
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	5030C	
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	5030C	
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	5030C	
MB 885-24119/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	5030C	
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	5030C	
885-22991-14 MS	WS 1 0-1'	Total/NA	Solid	5030C	
885-22991-14 MSD	WS 1 0-1'	Total/NA	Solid	5030C	

Analysis Batch: 24179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-2	BS 2 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-3	BS 3 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-4	BS 4 1'	Total/NA	Solid	8015M/D	24031
885-22991-5	BS 5 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-6	BS 6 0.25	Total/NA	Solid	8015M/D	24031
885-22991-7	BS 7 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-8	BS 8 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-9	BS 9 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-10	BS 10 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-11	BS 11 0.25'	Total/NA	Solid	8015M/D	24031
885-22991-12	BS 12 0.25'	Total/NA	Solid	8015M/D	24031
MB 885-24031/1-A	Method Blank	Total/NA	Solid	8015M/D	24031
LCS 885-24031/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24031

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

GC VOA

Analysis Batch: 24180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	8021B	24031
885-22991-2	BS 2 0.25'	Total/NA	Solid	8021B	24031
885-22991-3	BS 3 0.25'	Total/NA	Solid	8021B	24031
885-22991-4	BS 4 1'	Total/NA	Solid	8021B	24031
885-22991-5	BS 5 0.25'	Total/NA	Solid	8021B	24031
885-22991-6	BS 6 0.25	Total/NA	Solid	8021B	24031
885-22991-7	BS 7 0.25'	Total/NA	Solid	8021B	24031
885-22991-8	BS 8 0.25'	Total/NA	Solid	8021B	24031
885-22991-9	BS 9 0.25'	Total/NA	Solid	8021B	24031
885-22991-10	BS 10 0.25'	Total/NA	Solid	8021B	24031
885-22991-11	BS 11 0.25'	Total/NA	Solid	8021B	24031
885-22991-12	BS 12 0.25'	Total/NA	Solid	8021B	24031
MB 885-24031/1-A	Method Blank	Total/NA	Solid	8021B	24031
LCS 885-24031/3-A	Lab Control Sample	Total/NA	Solid	8021B	24031

Analysis Batch: 24235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-13	BS 13 0.25'	Total/NA	Solid	8021B	24119
885-22991-14	WS 1 0-1'	Total/NA	Solid	8021B	24119
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	8021B	24119
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	8021B	24119
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	8021B	24119
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	8021B	24119
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	8021B	24119
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	8021B	24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8021B	24119
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	8021B	24119
885-22991-14 MS	WS 1 0-1'	Total/NA	Solid	8021B	24119
885-22991-14 MSD	WS 1 0-1'	Total/NA	Solid	8021B	24119

Analysis Batch: 24236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-13	BS 13 0.25'	Total/NA	Solid	8015M/D	24119
885-22991-14	WS 1 0-1'	Total/NA	Solid	8015M/D	24119
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	8015M/D	24119
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	8015M/D	24119
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	8015M/D	24119
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	8015M/D	24119
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	8015M/D	24119
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	8015M/D	24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8015M/D	24119
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24119
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	8015M/D	24119
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	8015M/D	24119

GC Semi VOA

Analysis Batch: 24076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-2	BS 2 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-3	BS 3 0.25'	Total/NA	Solid	8015M/D	24121

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

GC Semi VOA (Continued)

Analysis Batch: 24076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-4	BS 4 1'	Total/NA	Solid	8015M/D	24121
885-22991-5	BS 5 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-6	BS 6 0.25	Total/NA	Solid	8015M/D	24121
885-22991-7	BS 7 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-8	BS 8 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-9	BS 9 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-10	BS 10 0.25'	Total/NA	Solid	8015M/D	24121
MB 885-24121/1-A	Method Blank	Total/NA	Solid	8015M/D	24121
LCS 885-24121/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24121

Prep Batch: 24121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	SHAKE	
885-22991-2	BS 2 0.25'	Total/NA	Solid	SHAKE	
885-22991-3	BS 3 0.25'	Total/NA	Solid	SHAKE	
885-22991-4	BS 4 1'	Total/NA	Solid	SHAKE	
885-22991-5	BS 5 0.25'	Total/NA	Solid	SHAKE	
885-22991-6	BS 6 0.25	Total/NA	Solid	SHAKE	
885-22991-7	BS 7 0.25'	Total/NA	Solid	SHAKE	
885-22991-8	BS 8 0.25'	Total/NA	Solid	SHAKE	
885-22991-9	BS 9 0.25'	Total/NA	Solid	SHAKE	
885-22991-10	BS 10 0.25'	Total/NA	Solid	SHAKE	
885-22991-11	BS 11 0.25'	Total/NA	Solid	SHAKE	
885-22991-12	BS 12 0.25'	Total/NA	Solid	SHAKE	
MB 885-24121/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24121/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-22991-1 MS	BS 1 0.25'	Total/NA	Solid	SHAKE	
885-22991-1 MSD	BS 1 0.25'	Total/NA	Solid	SHAKE	

Prep Batch: 24131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-13	BS 13 0.25'	Total/NA	Solid	SHAKE	
885-22991-14	WS 1 0-1'	Total/NA	Solid	SHAKE	
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	SHAKE	
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	SHAKE	
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	SHAKE	
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	SHAKE	
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	SHAKE	
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	SHAKE	
MB 885-24131/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24131/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	SHAKE	
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	SHAKE	

Analysis Batch: 24185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-2	BS 2 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-3	BS 3 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-12	BS 12 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-13	BS 13 0.25'	Total/NA	Solid	8015M/D	24131
885-22991-14	WS 1 0-1'	Total/NA	Solid	8015M/D	24131

QC Association Summary

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

GC Semi VOA (Continued)

Analysis Batch: 24185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	8015M/D	24131
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	8015M/D	24131
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	8015M/D	24131
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	8015M/D	24131
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	8015M/D	24131
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	8015M/D	24131
LCS 885-24131/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24131
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	8015M/D	24131
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	8015M/D	24131

Analysis Batch: 24267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-11	BS 11 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-1 MS	BS 1 0.25'	Total/NA	Solid	8015M/D	24121
885-22991-1 MSD	BS 1 0.25'	Total/NA	Solid	8015M/D	24121

Analysis Batch: 24349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-13	BS 13 0.25'	Total/NA	Solid	8015M/D	24131
MB 885-24131/1-A	Method Blank	Total/NA	Solid	8015M/D	24131
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	8015M/D	24131
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	8015M/D	24131

HPLC/IC

Prep Batch: 24097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	300_Prep	
885-22991-2	BS 2 0.25'	Total/NA	Solid	300_Prep	
885-22991-3	BS 3 0.25'	Total/NA	Solid	300_Prep	
885-22991-4	BS 4 1'	Total/NA	Solid	300_Prep	
885-22991-5	BS 5 0.25'	Total/NA	Solid	300_Prep	
885-22991-6	BS 6 0.25	Total/NA	Solid	300_Prep	
885-22991-7	BS 7 0.25'	Total/NA	Solid	300_Prep	
885-22991-8	BS 8 0.25'	Total/NA	Solid	300_Prep	
885-22991-9	BS 9 0.25'	Total/NA	Solid	300_Prep	
885-22991-10	BS 10 0.25'	Total/NA	Solid	300_Prep	
885-22991-11	BS 11 0.25'	Total/NA	Solid	300_Prep	
MB 885-24097/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24097/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 24098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-1	BS 1 0.25'	Total/NA	Solid	300.0	24097
885-22991-2	BS 2 0.25'	Total/NA	Solid	300.0	24097
885-22991-3	BS 3 0.25'	Total/NA	Solid	300.0	24097
885-22991-4	BS 4 1'	Total/NA	Solid	300.0	24097
885-22991-5	BS 5 0.25'	Total/NA	Solid	300.0	24097
885-22991-6	BS 6 0.25	Total/NA	Solid	300.0	24097
885-22991-7	BS 7 0.25'	Total/NA	Solid	300.0	24097

QC Association Summary

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

HPLC/IC (Continued)

Analysis Batch: 24098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-8	BS 8 0.25'	Total/NA	Solid	300.0	24097
885-22991-9	BS 9 0.25'	Total/NA	Solid	300.0	24097
885-22991-10	BS 10 0.25'	Total/NA	Solid	300.0	24097
885-22991-11	BS 11 0.25'	Total/NA	Solid	300.0	24097
MB 885-24097/1-A	Method Blank	Total/NA	Solid	300.0	24097
LCS 885-24097/2-A	Lab Control Sample	Total/NA	Solid	300.0	24097

Analysis Batch: 24163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-12	BS 12 0.25'	Total/NA	Solid	300.0	24165
885-22991-13	BS 13 0.25'	Total/NA	Solid	300.0	24165
885-22991-14	WS 1 0-1'	Total/NA	Solid	300.0	24165
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	300.0	24165
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	300.0	24165
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	300.0	24165
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	300.0	24165
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	300.0	24165
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	300.0	24165
MB 885-24165/1-A	Method Blank	Total/NA	Solid	300.0	24165
LCS 885-24165/2-A	Lab Control Sample	Total/NA	Solid	300.0	24165
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	300.0	24165
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	300.0	24165
885-22991-14 MS	WS 1 0-1'	Total/NA	Solid	300.0	24165

Prep Batch: 24165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22991-12	BS 12 0.25'	Total/NA	Solid	300_Prep	
885-22991-13	BS 13 0.25'	Total/NA	Solid	300_Prep	
885-22991-14	WS 1 0-1'	Total/NA	Solid	300_Prep	
885-22991-15	WS 2 0-0.25'	Total/NA	Solid	300_Prep	
885-22991-16	WS 3 0-0.25'	Total/NA	Solid	300_Prep	
885-22991-17	WS 4 0-0.25'	Total/NA	Solid	300_Prep	
885-22991-18	WS 5 0-0.25'	Total/NA	Solid	300_Prep	
885-22991-19	WS 6 0-0.25'	Total/NA	Solid	300_Prep	
885-22991-20	WS 7 0-0.25'	Total/NA	Solid	300_Prep	
MB 885-24165/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24165/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-22991-13 MS	BS 13 0.25'	Total/NA	Solid	300_Prep	
885-22991-13 MSD	BS 13 0.25'	Total/NA	Solid	300_Prep	
885-22991-14 MS	WS 1 0-1'	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: KLJ Engineering LLC
Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 1 0.25'
Lab Sample ID: 885-22991-1
Date Collected: 04/08/25 11:00
Matrix: Solid
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 02:31
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 02:31
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		2	24267	MI	EET ALB	04/15/25 22:48
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 14:01

Client Sample ID: BS 2 0.25'
Lab Sample ID: 885-22991-2
Date Collected: 04/08/25 11:02
Matrix: Solid
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 02:53
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 02:53
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 18:00
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/15/25 09:57
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 14:12

Client Sample ID: BS 3 0.25'
Lab Sample ID: 885-22991-3
Date Collected: 04/08/25 11:03
Matrix: Solid
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 03:37
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 03:37
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 18:12
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/15/25 10:09
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 14:22

Lab Chronicle

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 4 1' Lab Sample ID: 885-22991-4

Date Collected: 04/08/25 11:26 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 03:59
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 03:59
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 18:24
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 14:32

Client Sample ID: BS 5 0.25' Lab Sample ID: 885-22991-5

Date Collected: 04/08/25 13:54 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 04:21
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 04:21
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 18:37
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 14:43

Client Sample ID: BS 6 0.25 Lab Sample ID: 885-22991-6

Date Collected: 04/08/25 13:56 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 04:43
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 04:43
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 18:49
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 15:14

Client Sample ID: BS 7 0.25' Lab Sample ID: 885-22991-7

Date Collected: 04/08/25 13:57 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 05:05

Lab Chronicle

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 7 0.25' Lab Sample ID: 885-22991-7

Date Collected: 04/08/25 13:57 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 05:05
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 19:14
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 15:24

Client Sample ID: BS 8 0.25' Lab Sample ID: 885-22991-8

Date Collected: 04/08/25 13:58 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 05:27
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 05:27
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 19:26
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 15:34

Client Sample ID: BS 9 0.25' Lab Sample ID: 885-22991-9

Date Collected: 04/08/25 13:59 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 05:49
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 05:49
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 19:38
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 15:45

Client Sample ID: BS 10 0.25' Lab Sample ID: 885-22991-10

Date Collected: 04/08/25 14:00 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 06:11
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 06:11

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22991-1

Client Sample ID: BS 10 0.25'

Lab Sample ID: 885-22991-10
Matrix: Solid
Date Collected: 04/08/25 14:00
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24076	MI	EET ALB	04/11/25 19:51
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 15:55

Client Sample ID: BS 11 0.25'

Lab Sample ID: 885-22991-11
Matrix: Solid
Date Collected: 04/08/25 14:01
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 06:33
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 06:33
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		5	24267	MI	EET ALB	04/15/25 23:25
Total/NA	Prep	300_Prep			24097	DL	EET ALB	04/11/25 10:14
Total/NA	Analysis	300.0		20	24098	JT	EET ALB	04/11/25 16:05

Client Sample ID: BS 12 0.25'

Lab Sample ID: 885-22991-12
Matrix: Solid
Date Collected: 04/08/25 14:02
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8015M/D		1	24179	AT	EET ALB	04/12/25 06:54
Total/NA	Prep	5030C			24031	AT	EET ALB	04/10/25 14:24
Total/NA	Analysis	8021B		1	24180	AT	EET ALB	04/12/25 06:54
Total/NA	Prep	SHAKE			24121	MI	EET ALB	04/11/25 12:31
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/15/25 10:21
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 16:22

Client Sample ID: BS 13 0.25'

Lab Sample ID: 885-22991-13
Matrix: Solid
Date Collected: 04/08/25 14:03
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 16:58
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 16:58
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 17:04

Lab Chronicle

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: BS 13 0.25' Lab Sample ID: 885-22991-13

Date Collected: 04/08/25 14:03 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24349	MI	EET ALB	04/16/25 10:46
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 16:31

Client Sample ID: WS 1 0-1' Lab Sample ID: 885-22991-14

Date Collected: 04/08/25 11:24 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 18:09
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 18:09
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 17:40
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 17:01

Client Sample ID: WS 2 0-0.25' Lab Sample ID: 885-22991-15

Date Collected: 04/08/25 14:09 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 19:20
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 19:20
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 17:52
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 17:30

Client Sample ID: WS 3 0-0.25' Lab Sample ID: 885-22991-16

Date Collected: 04/08/25 14:10 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 19:44
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 19:44
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 18:04

Lab Chronicle

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 3 0-0.25' Lab Sample ID: 885-22991-16

Date Collected: 04/08/25 14:10 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 17:40

Client Sample ID: WS 4 0-0.25' Lab Sample ID: 885-22991-17

Date Collected: 04/08/25 14:11 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 20:08
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 20:08
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 18:16
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 17:50

Client Sample ID: WS 5 0-0.25' Lab Sample ID: 885-22991-18

Date Collected: 04/08/25 14:08 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 20:32
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 20:32
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 18:28
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 18:20

Client Sample ID: WS 6 0-0.25' Lab Sample ID: 885-22991-19

Date Collected: 04/08/25 14:04 **Matrix: Solid**
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 20:55
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 20:55
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 18:40
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 18:29

Lab Chronicle

Client: KLJ Engineering LLC
Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: WS 7 0-0.25'
Lab Sample ID: 885-22991-20
Date Collected: 04/08/25 14:06
Matrix: Solid
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 21:19
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 21:19
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 18:53
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 18:39

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: KLJ Engineering LLC Job ID: 885-22991-1
Project/Site: Marwari 28 16 st Fed Com #232H

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Direct Bill

PG 1 of 2

Chain-of-Custody Record

Client: Devon Energy
Jim Raley
Mailing Address:

Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☑ Rush 5 Day
Project Name: Marwari 28 16 St Fed Com #232H
Project #: 2407-01664
Project Manager: Will Harmon/Monica Peppin
Sampler: MJP
On Ice: ☑ Yes ☐ No chucky
# of Coolers: 1
Cooler Temp(including CF): 1.7 +0.2 = 1.9 (°C)

Eurofins

ANALYSIS LABO

885-22991 COC

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/8	11:00	soil	BS1 0.25'	4oz	ice		✓	✓					✓			
	11:02		BS2 0.25'													
	11:03		BS3 0.25'													
	11:26		BS4 1'													
	1:54		BS5 0.25'													
	1:56		BS6 0.25'													
	1:57		BS7 0.25'													
	1:58		BS8 0.25'													
	1:59		BS9 0.25'													
	2:00		BS10 0.25'													
	2:01		BS11 0.25'													
	2:02		BS12 0.25'													

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/9/25	1005				4/9/25	1005
4/9/25	1900			courier	4/10/25	7:50

Remarks:
CC: M. Peppin analytical/table
W/O#: 2116793
Include Pivot Table

mpeppin@Liena.com

* Direct Bill *

PG 2 of 2

Chain-of-Custody Record

EuroFins

ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: Devon Energy

Jim Raley

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name: Marwari 2816 St. Fed Com #232H

Project #: 2407-01664

Project Manager: Will Harmon/Monica Peppin

Sampler: MJP

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.7 +0.2 = 1.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/8	2:03	Soil	BS13 0.25'	402	ice	
	11:24		WS1 0-1'			
	2:09		WS2 0-0.25'			
	2:10		WS3 0-0.25'			
	2:11		WS4 0-0.25'			
	2:08		WS5 0-0.25'			
	2:04		WS6 0-0.25'			
	2:06		WS7 0-0.25'			

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/9/25	1005				4/9/25	1005
4/9/25	1910			Courier	4/10/25	7:50

Remarks:

W/O # 21161793

Include Pivot Table WS1 0-1'

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: KLJ Engineering LLC Job Number: 885-22991-1

Login Number: 22991 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Alderette, Joseph

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Peppin
KLJ Engineering LLC
4601 Jones street
Carlsbad, New Mexico 88220

Generated 4/21/2025 3:02:03 PM Revision 1

JOB DESCRIPTION

Marwari 28 16 st Fed Com #232H

JOB NUMBER

885-22992-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

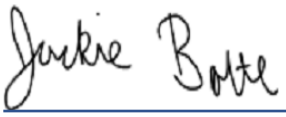
See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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4/21/2025 3:02:03 PM
Revision 1

Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
Designee for
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Laboratory Job ID: 885-22992-1

Table of Contents

Definitions/Glossary

Client: KLJ Engineering LLC Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: KLJ Engineering LLC Job ID: 885-22992-1
Project: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1 Eurofins Albuquerque

Job Narrative
885-22992-1

REVISION

The report being provided is a revision of the original report sent on 4/17/2025. The report (revision 1) is being revised due to Changing client company name on report..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/10/2025 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015D_DRO: The method blank for preparation batch 885-24131 and analytical batch 885-24185 contained Diesel Range Organics [C10-C28] above the RL. Re-running MB and not reporting any associated samples.

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-24131 and analytical batch 885-24185 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: (MB 885-24131/1-A). Despite this high bias, the sample was non-detect for target analytes. Any associated samples with passing surrogate have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: KLJ Engineering LLC
Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: TP 20 2'
Lab Sample ID: 885-22992-1
Date Collected: 04/08/25 11:49
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*35 - 166*	*04/11/25 12:06*	*04/14/25 21:43*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 21:43	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 21:43	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 21:43	1
Xylenes, Total	ND		0.098		mg/Kg		04/11/25 12:06	04/14/25 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 21:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		04/11/25 14:23	04/14/25 19:05	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/11/25 14:23	04/14/25 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*121*		*62 - 134*	*04/11/25 14:23*	*04/14/25 19:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/13/25 13:11	04/13/25 18:49	20

Client Sample Results

Client: KLJ Engineering LLC
Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: TP 20 4'
Lab Sample ID: 885-22992-2
Date Collected: 04/08/25 11:53
Matrix: Solid
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		04/11/25 12:06	04/14/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*04/11/25 12:06*	*04/14/25 22:06*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 22:06	1
Ethylbenzene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 22:06	1
Toluene	ND		0.049		mg/Kg		04/11/25 12:06	04/14/25 22:06	1
Xylenes, Total	ND		0.099		mg/Kg		04/11/25 12:06	04/14/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 22:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13**		9.1		mg/Kg		04/11/25 14:23	04/14/25 19:17	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/11/25 14:23	04/14/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*125*		*62 - 134*	*04/11/25 14:23*	*04/14/25 19:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/13/25 13:11	04/13/25 18:59	20

Client Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1

Client Sample ID: TP 21 2'

Lab Sample ID: 885-22992-3
Matrix: Solid
Date Collected: 04/08/25 11:51
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/11/25 12:06	04/14/25 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*04/11/25 12:06*	*04/14/25 22:54*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 22:54	1
Ethylbenzene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 22:54	1
Toluene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 22:54	1
Xylenes, Total	ND		0.096		mg/Kg		04/11/25 12:06	04/14/25 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 22:54*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		04/11/25 14:23	04/14/25 19:30	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/11/25 14:23	04/14/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/11/25 14:23*	*04/14/25 19:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/13/25 13:11	04/13/25 19:09	20

Client Sample Results

Client: KLJ Engineering LLC Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: TP 21 4' Lab Sample ID: 885-22992-4

Date Collected: 04/08/25 11:55 **Matrix: Solid**
Date Received: 04/10/25 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		04/11/25 12:06	04/14/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*35 - 166*	*04/11/25 12:06*	*04/14/25 23:18*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/11/25 12:06	04/14/25 23:18	1
Ethylbenzene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 23:18	1
Toluene	ND		0.048		mg/Kg		04/11/25 12:06	04/14/25 23:18	1
Xylenes, Total	ND		0.096		mg/Kg		04/11/25 12:06	04/14/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*04/11/25 12:06*	*04/14/25 23:18*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13**		9.1		mg/Kg		04/11/25 14:23	04/14/25 19:42	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		04/11/25 14:23	04/14/25 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*04/11/25 14:23*	*04/14/25 19:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/13/25 13:11	04/13/25 19:19	20

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-24119/1-A
Matrix: Solid
Analysis Batch: 24236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24119

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		04/11/25 12:06	04/14/25 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*35 - 166*	*04/11/25 12:06*	*04/14/25 16:34*	*1*

Lab Sample ID: LCS 885-24119/2-A
Matrix: Solid
Analysis Batch: 24236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24119

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	30.4		mg/Kg		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*222*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24119/1-A
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24119

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Ethylbenzene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Toluene	ND		0.050		mg/Kg		04/11/25 12:06	04/14/25 16:34	1
Xylenes, Total	ND		0.10		mg/Kg		04/11/25 12:06	04/14/25 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*04/11/25 12:06*	*04/14/25 16:34*	*1*

Lab Sample ID: LCS 885-24119/3-A
Matrix: Solid
Analysis Batch: 24235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24119

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.07		mg/Kg		107	70 - 130		
Ethylbenzene			1.00	1.08		mg/Kg		108	70 - 130		
Toluene			1.00	1.07		mg/Kg		107	70 - 130		
m,p-Xylene			2.00	2.29		mg/Kg		115	70 - 130		
o-Xylene			1.00	1.11		mg/Kg		111	70 - 130		
Xylenes, Total			3.00	3.40		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*48 - 145*

QC Sample Results

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-24131/1-A
Matrix: Solid
Analysis Batch: 24349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24131

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/11/25 14:23	04/16/25 10:22	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/11/25 14:23	04/16/25 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*135*	*S1+*	*62 - 134*	*04/11/25 14:23*	*04/16/25 10:22*	*1*

Lab Sample ID: LCS 885-24131/2-A
Matrix: Solid
Analysis Batch: 24185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24131

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	63.0		mg/Kg		126	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-24165/1-A
Matrix: Solid
Analysis Batch: 24163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24165

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		04/13/25 13:11	04/13/25 14:14	1

Lab Sample ID: LCS 885-24165/2-A
Matrix: Solid
Analysis Batch: 24163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24165

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	30.9		mg/Kg		103	90 - 110		

QC Association Summary

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1

GC VOA

Prep Batch: 24119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	5030C	
885-22992-2	TP 20 4'	Total/NA	Solid	5030C	
885-22992-3	TP 21 2'	Total/NA	Solid	5030C	
885-22992-4	TP 21 4'	Total/NA	Solid	5030C	
MB 885-24119/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 24235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	8021B	24119
885-22992-2	TP 20 4'	Total/NA	Solid	8021B	24119
885-22992-3	TP 21 2'	Total/NA	Solid	8021B	24119
885-22992-4	TP 21 4'	Total/NA	Solid	8021B	24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8021B	24119
LCS 885-24119/3-A	Lab Control Sample	Total/NA	Solid	8021B	24119

Analysis Batch: 24236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	8015M/D	24119
885-22992-2	TP 20 4'	Total/NA	Solid	8015M/D	24119
885-22992-3	TP 21 2'	Total/NA	Solid	8015M/D	24119
885-22992-4	TP 21 4'	Total/NA	Solid	8015M/D	24119
MB 885-24119/1-A	Method Blank	Total/NA	Solid	8015M/D	24119
LCS 885-24119/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24119

GC Semi VOA

Prep Batch: 24131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	SHAKE	
885-22992-2	TP 20 4'	Total/NA	Solid	SHAKE	
885-22992-3	TP 21 2'	Total/NA	Solid	SHAKE	
885-22992-4	TP 21 4'	Total/NA	Solid	SHAKE	
MB 885-24131/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24131/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 24185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	8015M/D	24131
885-22992-2	TP 20 4'	Total/NA	Solid	8015M/D	24131
885-22992-3	TP 21 2'	Total/NA	Solid	8015M/D	24131
885-22992-4	TP 21 4'	Total/NA	Solid	8015M/D	24131
LCS 885-24131/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24131

Analysis Batch: 24349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-24131/1-A	Method Blank	Total/NA	Solid	8015M/D	24131

QC Association Summary

Client: KLJ Engineering LLC Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

HPLC/IC

Analysis Batch: 24163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	300.0	24165
885-22992-2	TP 20 4'	Total/NA	Solid	300.0	24165
885-22992-3	TP 21 2'	Total/NA	Solid	300.0	24165
885-22992-4	TP 21 4'	Total/NA	Solid	300.0	24165
MB 885-24165/1-A	Method Blank	Total/NA	Solid	300.0	24165
LCS 885-24165/2-A	Lab Control Sample	Total/NA	Solid	300.0	24165

Prep Batch: 24165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22992-1	TP 20 2'	Total/NA	Solid	300_Prep	
885-22992-2	TP 20 4'	Total/NA	Solid	300_Prep	
885-22992-3	TP 21 2'	Total/NA	Solid	300_Prep	
885-22992-4	TP 21 4'	Total/NA	Solid	300_Prep	
MB 885-24165/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24165/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: KLJ Engineering LLC
Project/Site: Marwari 28 16 st Fed Com #232H

Job ID: 885-22992-1

Client Sample ID: TP 20 2'

Lab Sample ID: 885-22992-1
Matrix: Solid
Date Collected: 04/08/25 11:49
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 21:43
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 21:43
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 19:05
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 18:49

Client Sample ID: TP 20 4'

Lab Sample ID: 885-22992-2
Matrix: Solid
Date Collected: 04/08/25 11:53
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 22:06
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 22:06
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 19:17
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 18:59

Client Sample ID: TP 21 2'

Lab Sample ID: 885-22992-3
Matrix: Solid
Date Collected: 04/08/25 11:51
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 22:54
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 22:54
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 19:30
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 19:09

Client Sample ID: TP 21 4'

Lab Sample ID: 885-22992-4
Matrix: Solid
Date Collected: 04/08/25 11:55
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8015M/D		1	24236	JP	EET ALB	04/14/25 23:18

Lab Chronicle

Client: KLJ Engineering LLC
Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Client Sample ID: TP 21 4'
Lab Sample ID: 885-22992-4
Date Collected: 04/08/25 11:55
Matrix: Solid
Date Received: 04/10/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24119	JP	EET ALB	04/11/25 12:06
Total/NA	Analysis	8021B		1	24235	JP	EET ALB	04/14/25 23:18
Total/NA	Prep	SHAKE			24131	MI	EET ALB	04/11/25 14:23
Total/NA	Analysis	8015M/D		1	24185	MI	EET ALB	04/14/25 19:42
Total/NA	Prep	300_Prep			24165	JT	EET ALB	04/13/25 13:11
Total/NA	Analysis	300.0		20	24163	DL	EET ALB	04/13/25 19:19

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: KLJ Engineering LLC Job ID: 885-22992-1
Project/Site: Marwari 28 16 st Fed Com #232H

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Devon Energy
Jim Raley
Mailing Address:

Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 Day
Project Name: Marwari 2816 St Fed Com #232H
Project #: 2407-01664
Project Manager: Will Harmon/Monica Peppin
Sampler: MJP
On Ice: ☑ Yes ☐ No chucky
# of Coolers: 1
Cooler Temp(including CF): 1.7+0.2=1.9 (°C)

EuroFins
ANALYSIS LABOR
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-22992 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/8	11:49	Soil	TP20 2'	4oz	ice		✓	✓					✓			
"	11:53	"	TP20 4'	"	"		"	"					"			
"	11:53	"	TP21 2'	"	"		"	"					"			
"	11:55	"	TP21 4'	"	"		"	"					"			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/9/25	1005				4/9/25	1005
4/9/25	1900			courier	4/10/25	7:50

Remarks:
w/o# 21161793
cc: m.peppin results

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: KLJ Engineering LLC Job Number: 885-22992-1

Login Number: 22992 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Alderette, Joseph

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jim Raley
Devon Energy Corporation
6488 Seven Rivers Hwy
Artesia, New Mexico 88210

Generated 5/8/2025 6:58:21 AM

JOB DESCRIPTION

Marwari 2816 St Fed #232H

JOB NUMBER

885-24256-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
5/8/2025 6:58:21 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Laboratory Job ID: 885-24256-1

Table of Contents

Definitions/Glossary

Client: Devon Energy Corporation Job ID: 885-24256-1
Project/Site: Marwari 2816 St Fed #232H

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Devon Energy Corporation
Project: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Job ID: 885-24256-1 Eurofins Albuquerque

Job Narrative
885-24256-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/6/2025 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: (CCV 885-25547/29). However, all associated samples were found to be unaffected, with passing surrogate recoveries and/or ND results; therefore re-analysis or re-extraction was not needed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Client Sample ID: BS1 0.25'

Date Collected: 05/02/25 13:10
Date Received: 05/06/25 07:40

Lab Sample ID: 885-24256-1
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.9		mg/Kg		05/06/25 16:33	05/07/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*05/06/25 16:33*	*05/07/25 02:14*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.014		mg/Kg		05/06/25 16:33	05/07/25 02:14	1
Ethylbenzene	ND		0.029		mg/Kg		05/06/25 16:33	05/07/25 02:14	1
Toluene	ND		0.029		mg/Kg		05/06/25 16:33	05/07/25 02:14	1
Xylenes, Total	ND		0.057		mg/Kg		05/06/25 16:33	05/07/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*05/06/25 16:33*	*05/07/25 02:14*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**200**		9.5		mg/Kg		05/06/25 12:21	05/06/25 18:30	1
Motor Oil Range Organics [C28-C40]	**160**		47		mg/Kg		05/06/25 12:21	05/06/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*62 - 134*	*05/06/25 12:21*	*05/06/25 18:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**750**		60		mg/Kg		05/07/25 08:40	05/07/25 10:35	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Client Sample ID: BS11 0.25'

Date Collected: 05/02/25 13:11
Date Received: 05/06/25 07:40

Lab Sample ID: 885-24256-2

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5		mg/Kg		05/06/25 16:33	05/07/25 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*05/06/25 16:33*	*05/07/25 02:35*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		05/06/25 16:33	05/07/25 02:35	1
Ethylbenzene	ND		0.035		mg/Kg		05/06/25 16:33	05/07/25 02:35	1
Toluene	ND		0.035		mg/Kg		05/06/25 16:33	05/07/25 02:35	1
Xylenes, Total	ND		0.071		mg/Kg		05/06/25 16:33	05/07/25 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*48 - 145*	*05/06/25 16:33*	*05/07/25 02:35*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**140**		9.6		mg/Kg		05/06/25 12:21	05/06/25 18:54	1
Motor Oil Range Organics [C28-C40]	**140**		48		mg/Kg		05/06/25 12:21	05/06/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*62 - 134*	*05/06/25 12:21*	*05/06/25 18:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**880**		60		mg/Kg		05/07/25 08:40	05/07/25 10:45	20

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-25608/1-A
Matrix: Solid
Analysis Batch: 25628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25608

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		05/06/25 16:33	05/07/25 01:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*05/06/25 16:33*	*05/07/25 01:52*	*1*

Lab Sample ID: LCS 885-25608/2-A
Matrix: Solid
Analysis Batch: 25628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25608

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*203*		*35 - 166*

Lab Sample ID: 885-24256-1 MS
Matrix: Solid
Analysis Batch: 25628

Client Sample ID: BS1 0.25'
Prep Type: Total/NA
Prep Batch: 25608

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*200*		*35 - 166*

Lab Sample ID: 885-24256-1 MSD
Matrix: Solid
Analysis Batch: 25628

Client Sample ID: BS1 0.25'
Prep Type: Total/NA
Prep Batch: 25608

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-25608/1-A
Matrix: Solid
Analysis Batch: 25629

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25608

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		05/06/25 16:33	05/07/25 01:52	1
Ethylbenzene	ND		0.050		mg/Kg		05/06/25 16:33	05/07/25 01:52	1
Toluene	ND		0.050		mg/Kg		05/06/25 16:33	05/07/25 01:52	1
Xylenes, Total	ND		0.10		mg/Kg		05/06/25 16:33	05/07/25 01:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*05/06/25 16:33*	*05/07/25 01:52*	*1*

Lab Sample ID: LCS 885-25608/3-A
Matrix: Solid
Analysis Batch: 25629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25608

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.01		mg/Kg		101	70 - 130		

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-25608/3-A
Matrix: Solid
Analysis Batch: 25629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25608

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			1.00	1.01		mg/Kg		101	70 - 130		
m&p-Xylene			2.00	2.04		mg/Kg		102	70 - 130		
o-Xylene			1.00	1.03		mg/Kg		103	70 - 130		
Toluene			1.00	1.00		mg/Kg		100	70 - 130		
Xylenes, Total			3.00	3.08		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*

Lab Sample ID: 885-24256-2 MS
Matrix: Solid
Analysis Batch: 25629

Client Sample ID: BS11 0.25'
Prep Type: Total/NA
Prep Batch: 25608

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.705	0.655		mg/Kg		93	70 - 130		
Ethylbenzene	ND		0.705	0.660		mg/Kg		94	70 - 130		
m&p-Xylene	ND		1.41	1.32		mg/Kg		94	70 - 130		
o-Xylene	ND		0.705	0.671		mg/Kg		95	70 - 130		
Toluene	ND		0.705	0.651		mg/Kg		92	70 - 130		
Xylenes, Total	ND		2.12	1.99		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*

Lab Sample ID: 885-24256-2 MSD
Matrix: Solid
Analysis Batch: 25629

Client Sample ID: BS11 0.25'
Prep Type: Total/NA
Prep Batch: 25608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.705	0.638		mg/Kg		90	70 - 130	3	20
Ethylbenzene	ND		0.705	0.642		mg/Kg		91	70 - 130	3	20
m&p-Xylene	ND		1.41	1.29		mg/Kg		92	70 - 130	2	20
o-Xylene	ND		0.705	0.643		mg/Kg		91	70 - 130	4	20
Toluene	ND		0.705	0.624		mg/Kg		88	70 - 130	4	20
Xylenes, Total	ND		2.12	1.94		mg/Kg		91	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-25576/1-A
Matrix: Solid
Analysis Batch: 25547

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25576

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		05/06/25 12:21	05/06/25 16:10	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		05/06/25 12:21	05/06/25 16:10	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-25576/1-A
Matrix: Solid
Analysis Batch: 25547

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25576

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*05/06/25 12:21*	*05/06/25 16:10*	*1*

Lab Sample ID: LCS 885-25576/2-A
Matrix: Solid
Analysis Batch: 25547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.3		mg/Kg		89	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-25625/1-A
Matrix: Solid
Analysis Batch: 25638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25625

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		05/07/25 08:40	05/07/25 10:12	1

Lab Sample ID: LCS 885-25625/2-A
Matrix: Solid
Analysis Batch: 25638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.6		mg/Kg		97	90 - 110

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

GC VOA

Prep Batch: 25608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	5035	
885-24256-2	BS11 0.25'	Total/NA	Solid	5035	
MB 885-25608/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-25608/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-25608/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-24256-1 MS	BS1 0.25'	Total/NA	Solid	5035	
885-24256-1 MSD	BS1 0.25'	Total/NA	Solid	5035	
885-24256-2 MS	BS11 0.25'	Total/NA	Solid	5035	
885-24256-2 MSD	BS11 0.25'	Total/NA	Solid	5035	

Analysis Batch: 25628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	8015D	25608
885-24256-2	BS11 0.25'	Total/NA	Solid	8015D	25608
MB 885-25608/1-A	Method Blank	Total/NA	Solid	8015D	25608
LCS 885-25608/2-A	Lab Control Sample	Total/NA	Solid	8015D	25608
885-24256-1 MS	BS1 0.25'	Total/NA	Solid	8015D	25608
885-24256-1 MSD	BS1 0.25'	Total/NA	Solid	8015D	25608

Analysis Batch: 25629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	8021B	25608
885-24256-2	BS11 0.25'	Total/NA	Solid	8021B	25608
MB 885-25608/1-A	Method Blank	Total/NA	Solid	8021B	25608
LCS 885-25608/3-A	Lab Control Sample	Total/NA	Solid	8021B	25608
885-24256-2 MS	BS11 0.25'	Total/NA	Solid	8021B	25608
885-24256-2 MSD	BS11 0.25'	Total/NA	Solid	8021B	25608

GC Semi VOA

Analysis Batch: 25547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	8015D	25576
885-24256-2	BS11 0.25'	Total/NA	Solid	8015D	25576
MB 885-25576/1-A	Method Blank	Total/NA	Solid	8015D	25576
LCS 885-25576/2-A	Lab Control Sample	Total/NA	Solid	8015D	25576

Prep Batch: 25576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	SHAKE	
885-24256-2	BS11 0.25'	Total/NA	Solid	SHAKE	
MB 885-25576/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-25576/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 25625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	300_Prep	
885-24256-2	BS11 0.25'	Total/NA	Solid	300_Prep	
MB 885-25625/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-25625/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

HPLC/IC

Analysis Batch: 25638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24256-1	BS1 0.25'	Total/NA	Solid	300.0	25625
885-24256-2	BS11 0.25'	Total/NA	Solid	300.0	25625
MB 885-25625/1-A	Method Blank	Total/NA	Solid	300.0	25625
LCS 885-25625/2-A	Lab Control Sample	Total/NA	Solid	300.0	25625

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Client Sample ID: BS1 0.25'

Lab Sample ID: 885-24256-1

Date Collected: 05/02/25 13:10
Matrix: Solid
Date Received: 05/06/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			25608	JP	EET ALB	05/06/25 16:33
Total/NA	Analysis	8015D		1	25628	AT	EET ALB	05/07/25 02:14
Total/NA	Prep	5035			25608	JP	EET ALB	05/06/25 16:33
Total/NA	Analysis	8021B		1	25629	AT	EET ALB	05/07/25 02:14
Total/NA	Prep	SHAKE			25576	MI	EET ALB	05/06/25 12:21
Total/NA	Analysis	8015D		1	25547	DH	EET ALB	05/06/25 18:30
Total/NA	Prep	300_Prep			25625	RC	EET ALB	05/07/25 08:40
Total/NA	Analysis	300.0		20	25638	RC	EET ALB	05/07/25 10:35

Client Sample ID: BS11 0.25'

Lab Sample ID: 885-24256-2

Date Collected: 05/02/25 13:11
Matrix: Solid
Date Received: 05/06/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			25608	JP	EET ALB	05/06/25 16:33
Total/NA	Analysis	8015D		1	25628	AT	EET ALB	05/07/25 02:35
Total/NA	Prep	5035			25608	JP	EET ALB	05/06/25 16:33
Total/NA	Analysis	8021B		1	25629	AT	EET ALB	05/07/25 02:35
Total/NA	Prep	SHAKE			25576	MI	EET ALB	05/06/25 12:21
Total/NA	Analysis	8015D		1	25547	DH	EET ALB	05/06/25 18:54
Total/NA	Prep	300_Prep			25625	RC	EET ALB	05/07/25 08:40
Total/NA	Analysis	300.0		20	25638	RC	EET ALB	05/07/25 10:45

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Devon Energy Corporation
Project/Site: Marwari 2816 St Fed #232H

Job ID: 885-24256-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Devon Energy
Jim Raley
Mailing Address:
* Direct Bill *
Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush Next Day
Project Name: Marwari 2816 St Fed #232H
Project #: 2407-01664
Project Manager: Monica Peppin
Sampler: MJP
On Ice: ☒ Yes ☐ No mojo
# of Coolers: 1
Cooler Temp(including CF): 2.6+0.2=2.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-24256 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5/2	1:10	soil	BS1 0.25'	4oz	ice		✓	✓					✓			
5/2	1:11	soil	BS11 0.25'	4oz	ice		✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					5/5/25	1330
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				courier	5/6/25	7:40

Remarks: Direct bill Devon
W/O # 211601793
CC: M.Peppin Report KLJ Eng.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Devon Energy Corporation Job Number: 885-24256-1

Login Number: 24256 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 469106

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430531050**
Incident Name	**NAPP2430531050 MARWARI 28 16 STATE FEDERAL COM #232H @ 30-025-45203**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-45203] VAN DOO DAH 28 33 FEDERAL COM #232H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MARWARI 28 16 STATE FEDERAL COM #232H
Date Release Discovered	10/30/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 2 BBL | Recovered: 0 BBL | Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Flowline leak allowed fluids to leak to pad surface.

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/29/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1260
GRO+DRO (EPA SW-846 Method 8015M)	810
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	12/18/2024
On what date will (or did) the final sampling or liner inspection occur	05/02/2025
On what date will (or was) the remediation complete(d)	05/02/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2501
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/29/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**456865**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/02/2025**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**2500**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2501
What was the total volume (cubic yards) remediated	25
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/29/2025

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 469106
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	7/25/2025