Received by OCD: 1/12/2023 11:00:50 AM

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Page 1 of 140

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replaced human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Robert Dunaway	Title: Senior Environmental Engineer
Signature: Khi	Date: 1/12/23
email: <u>rhdunaway@eprod.com</u>	Telephone: <u>575-628-6802</u>

Recrived by 10CD: 1/12/2023 11:00:50 & Matte of New Mexico
Page 2 Oil Conservation Division

	Dags 2 of 140
Incident ID	Page 2 of 140
District RP	
Facility ID	
Application ID	

OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of liabi remediate contamination that poses a threat to groundwater, surface water, h party of compliance with any other federal, state, or local laws and/or regul	uman health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

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State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2210932844
District RP	
Facility ID	
Application ID	

Closure

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

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

\square A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and remuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the conaccordance with 19.15.29.13 NMAC including notification to the OC Printed Name: Robert Dunaway	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially additions that existed prior to the release or their final land use in

Recrived by 10CD: 1/12/2023 11:00:50 & Matte of New Mexico
Page 2 Oil Conservation Division

Incident ID
District RP
Facility ID
Application ID

OCD Only	
Received by: Robert Hamlet	Date: 4/14/2023
Closure approval by the OCD does not relieve the responsible party of liabili remediate contamination that poses a threat to groundwater, surface water, hu party of compliance with any other federal, state, or local laws and/or regula	man health, or the environment nor does not relieve the responsible
Closure Approved by: Robert Hamlet	Date: 4/14/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced



January 11, 2023

#5E31002-BG7

NMOCD District 2 506 West Texas Street Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the Poker Lake Discharge (Line 16-24-30) Release (nAPP2210932844), Eddy County, New Mexico

1.0 Executive Summary

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a natural gas and condensate release related to oil and gas production activities at the Poker Lake Discharge (Line 16-24-30) Release (nAPP2210932844). The release site is located in Unit B, Section 30, Township 24S, Range 30E, Eddy County, New Mexico, on public land administered by the Bureau of Land Management (BLM). Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

This report demonstrates that the release area has been remediated to meet the standards of Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The information provided in this report is intended to fulfill final New Mexico Oil Conservation Division (NMOCD) closure requirements.

The gas portion of this release constitutes venting that occurred during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

SMA recommends no further action and requests that the release associated with the Poker Lake Discharge (Line 16-24-30) Release (nAPP2210932844) be closed.

Table 1: Release Information and Closure Criteria							
Name	Poker Lake Discharge (Line 16-24-30)	Company	Enterprise Field Services LLC				
API Number	N/A	Location	32.194002, -103.917758				
Tracking Number	nAPP2210932844	Land Status	Federal (BLM)				
Date Release Discovered	April 18, 2022	Source of Release	Hole in gathering pipeline				
Released	6 barrels (bbls) Produced Water	Recovered	0 bbls Produced Water				
Volume	331 Mcf Natural Gas	Volume	0 Mcf Natural Gas				
NMOCD Closure Criteria	51 to 100 feet to groundwater						

2.0 Background

On April 18, 2022, a produced water and natural gas release was discovered at the Poker Lake Discharge (Line 16-2-30) site due to a hole in the gathering pipeline. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. An initial site

Poker Lake Discharge (Line 16-24-30) Closure Report January 11, 2023

Page 2 of 3

characterization was conducted at the site and is detailed in SMA's *Remediation Plan for the Poker Lake Discharge* (*Line 16-24-30*) *Release* dated September 13, 2022. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. A copy of the initial C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The release site is located approximately 11 miles southeast of Malaga, New Mexico on Federal (BLM) land at an elevation of approximately 3,160 feet above mean sea level (amsl).

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (NMOSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System did not yield any results within ½-mile of the site (Appendix B). Registered wells in the vicinity are shown on Figure 1. A boring was advanced to 56 feet below grade surface (bgs) and allowed to remain open for greater than 48-hours during site characterization activities. Thus, depth to groundwater is considered to be between 51 and 100 feet bgs for Closure Criteria determinations.

Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the NMOSE NMWRRS and USGS National Water Information System. Registered wells in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The release site is located approximately 1,200 feet north of Pierce Canyon.

Closure Criteria

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 500 and 1,000-foot and the 0.5-mile radii which indicate that the site does not lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of 51 to 100 feet bgs in addition to the requirements of reclamation for the upper four feet of impacted soil.

4.0 Release Characterization and Remediation Activities

Based on the results of the site characterization activities described in SMA's *Remediation Plan for the Poker Lake Discharge (Line 16-24-30) Release* dated September 13, 2022, the impacted area was excavated, and confirmation samples were collected from the final excavation walls and base. Due to the length and depth of the remedial excavation, the final excavation was dug and sampled in phases to maintain the ability to reach the necessary portions of the excavation with the heavy equipment and ensure the safety of the pipeline.

Excavation confirmation samples were collected on November 17 and 23, 2022, as well as December 6 and 14, 2022. The confirmation samples were analyzed for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as gasoline, diesel and motor oil range organics (GRO, DRO, and DRO) by USEPA Method 8015D. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix C. Field notes are included in Appendix D. Copies of the sampling notification emails are included in Appendix A.

The final remediation excavation measured approximately 30 feet wide by 44 feet long at the greatest extents with depths ranging from 9 to 31 feet bgs.

Poker Lake Discharge (Line 16-24-30) Closure Report January 11, 2023

Page 3 of 3

Excavation extents and closure confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix D. Confirmation sample laboratory results are summarized in Table 3. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 3, all final excavation closure confirmation samples meet NMOCD Closure Criteria as described in Table I of 19.15.29.12 NMAC as well as the reclamation requirements of Paragraph (D) of 19.15.29.13 NMAC.

Excavated soils were removed and replaced with clean backfill material to return the surface to previous contours. All excavated soil was transported and disposed of at Lea Land LLC, Hobbs, New Mexico, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of Incident Number nAPP2210932844.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation guidance; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Heather Woods at 505-325-7535.

Submitted by:

SOUDER, MILLER & ASSOCIATES

Reviewed by:

Sarahmay Schlea Staff Scientist Heather M. Woods, P.G. Project Geoscientist

Veather M. Woods

Poker Lake Discharge (Line 16-24-30) Closure Report January 11, 2023

Page 4 of 1

REFERENCES:

Souder, Miller, & Associates; Remediation plan for the Poker Lake Discharge (Line 16-24-30) Release (nAPP2210932844), Eddy County, New Mexico, dated September 13, 2022.

ATTACHMENTS:

Figures:

Figure 1: Topographic Site Map

Figure 2: Aerial Site Map

Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria

Table 3: Summary of Laboratory Analytical Results

Appendices:

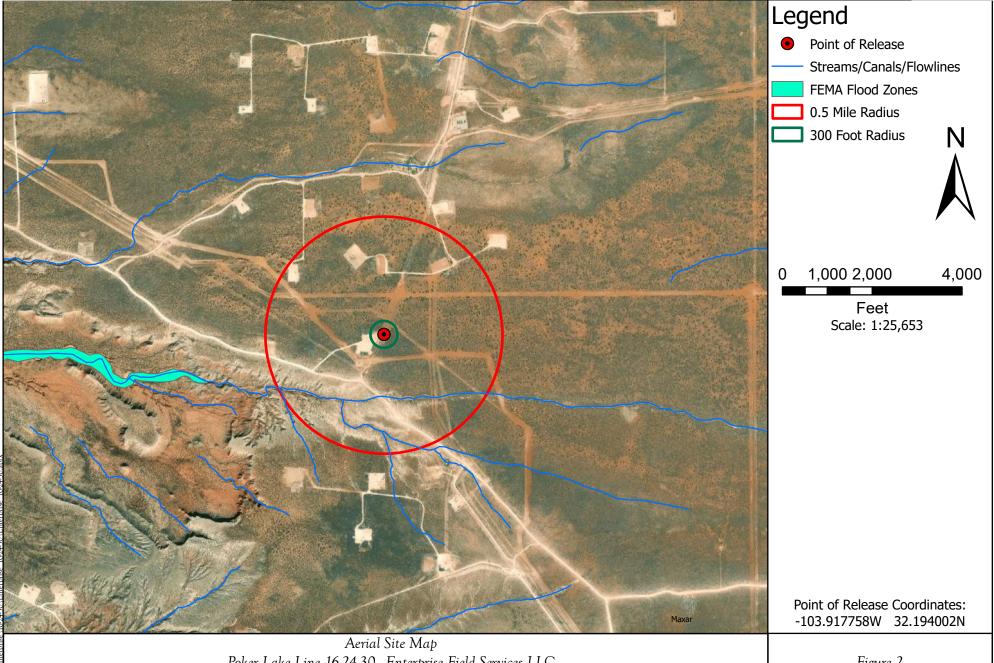
Appendix A: Form C-141 and Sampling Notifications

Appendix B: Water Well Data Appendix C: Sampling Protocol

Appendix D: Field Notes and Photo Log
Appendix E: Laboratory Analytical Reports

FIGURES

Page 10 of 140 Received by OCD: 1/12/2023 11:00:50 AM **Karst Potential** ·186 Carlsbad 178 Scale: 1:734,514 20 NA Miles Legend NA Point of Release 250 NA USGS GW Wells (depth in ft) OSE GW Wells (depth in ft) **Buffer Distance** 500 feet 1000 feet 0.5 mile **Karst Potential** High Medium Low Esri, NASA, NGA, USGS, FEMA, Esri, CGIAR, USGS, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, New Mexico State University, Texas Parks & Wildlife, CONANP, Scale: 1:40,083 Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS, National Geographic Society (https://services.arcgisonline.com/ArcGIS/rest/ Point of Release Coordinates: 4,000 8,000 2,000 -103.917758W 32.194002N Feet services/USA_Topo_Maps/MapServer) Topographic Site Map Poker Lake Line 16-24-30 - Enterprise Field Services LLC Figure 1 UL: B S: 30 T: 24S R: 30E, Eddy County, New Mexico Revisions Sarahmay Schlea 201 South Halagueno Street Drawn __ Date: _____ Descr: ____ Carlsbad, New Mexico 88221 9/13/2022 Date Date: Descr: (575) 689-7040 Checked Serving the Southwest & Rocky Mountains © Souder, Miller & Associates, 2021, All Rights Reserved Approved



Poker Lake Line 16-24-30 - Enterprise Field Services LLC UL: B S: 30 T: 24S R: 30E, Eddy County, New Mexico

Figure 2

Revisions ___ Date: ____ Descr: _____ Date: ___ Descr: ____ © Souder, Miller & Associates, 2021, All Rights Reserved

Sarahmay Schlea Drawn 9/13/2022 Date Checked Approved



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UL: B S: 30 T: 24S R: 30E, Eddy County, New Mexico

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TABLES

Table 2: NMOCD Closure Criteria Enterprise Field Services LLC Poker Lake Discharge (Line 16-24-30)

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes			
Depth to Groundwater (feet bgs)	>56.5	Onsite Measurement within Borehole (not encountered)		
Hortizontal Distance From All Water Sources Within 1/2 Mile (mi)	>0.5	NMOSE and USGS Water Well Data		
Hortizontal Distance to Nearest Significant Watercourse (ft)	880	USGS 7.5 quadrangle map		

Closure Criteria (19.15.2	29.12.B(4) an	d Table 1 NMAC)				
·	Closure Criteria (units in mg/kg)					
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	ВТЕХ	Benzene	
< 50' BGS		600	100		50	10
51' to 100'	Х	10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water		if yes	s, then			
<300' from continuously flowing watercourse or other significant						
watercourse?	No					
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by						
less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas		600	100		50	10
<300' from an occupied permanent residence, school, hospital,		600	100		50	10
institution or church?	No					
within incorporated municipal boundaries or within a defined						
municipal fresh water well field?	No					
<100' from wetland?	No	1				
within area overlying a subsurface mine	No					
within an unstable area?	No]				
within a 100-year floodplain?	No]				



Table 3: Summary of Laboratory Analytical Results

Enterprise Field Services LLC Poker Lake Discharge (Line 16-24-30)

Depth of		Method	8021B Method 8015D			Method 300.0				
Sample ID	Sample Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	GRO + DRO	MRO	Total TPH	Chloride
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	lamation Stan		50	10					100	600
NMOCD	Closure Criteri	a (<4 ft)	50	10			1,000		2,500	10,000
Final Excavation Confirmation Samples										
BS01	11/17/2022	26	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	23.1
BS02	11/17/2022	20	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	157
BSW	12/6/2022	9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	51.3
BSE1	12/6/2022	31	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	345
BSE2	12/6/2022	31	<0.025	<0.025	<20.0	47.5	47.5	<50.0	47.5	323
	11/23/2022	0-9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SW1	SW1	9-18	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
	11/17/2022	18-26	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
		0-9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SW2 11/17/2022	9-18	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	24.7	
		18-26	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	20.5
SW3	11/17/2022	0-10	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	41.7
3003	11/1//2022	10-20	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
		0-7	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SW4	11/17/2022	7-14	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
		14-20	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
	12/14/2022	0-10	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
SWE	12/6/2022	10-20	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	44.0
	12/6/2022	20-31	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	26.6
		0-10	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
NESW	12/6/2022	10-20	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	90.0
		20-31	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	35.5
SWW	12/6/2022	0 to 9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	51.5
NWSW	12/6/2022	0 to 9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	<20.0
			S	amples Re	moved by E				<u> </u>	
CVA/4	44/47/2022	0-9	<0.025	<0.025	<20.0	<25.0	<45.0	<50.0	<95.0	37.2
SW1	11/17/2022	9-18	<0.025	<0.025	<20.0	57.2	57.2	65.6	122.8	174
SWE	12/6/2022	0-10	<0.025	<0.025	<20.0	180	180	184	364	301

Notes:

NMOCD - New Mexico Oil Conservation Division

bgs - below grade surface

mg/kg - milligram per kilogram

"--" indicates not analyzed or not applicable

BTEX - benzene, toluene, ethylbenzene, and xylenes

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroluem hydrocabons



APPENDIX A FORM C141 AND SAMPLING NOTIFICATIONS

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

Responsible Party

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2210932844
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID

241602

Enterprise Field Services LLC

Contact Name		Robert Dunaway		Contact T	Contact Telephone 575-628-6802			
Contact email		rhdunaway@eprod.com		Incident #	Incident # (assigned by OCD)			
Contact mailing address PO Box 4324, Houston, TX 77210								
Latitude	32.194	4002		of Release S		-103.917758		
			(NAD 83 in decir	mal degrees to 5 deci	nal places)			
Site Name	Line 16	-24-30		Site Type	Site Type Gathering Pipeline			
Date Release	Discovered	4/18/22		API# (if app	plicable)			
Unit Letter	Section	Township	Range	Cour	nty			
В	30	24S	30	Edo	ly			
	Material	(s) Released (Select a		Volume of 1	justification for th	ne volumes provided below)		
Crude Oil		Volume Release			Volume Recovered (bbls)			
☐ Produced Water		Volume Released (bbls) 6		Volume Recovered (bbls) -0-				
Is the concentration of dissolved chlor produced water >10,000 mg/l?			loride in the	☐ Yes 🖾 1	No			
Condensate		Volume Released (bbls)			Volume Recovered (bbls)			
Natural Gas		Volume Released (Mcf) 331			Volume Recovered (Mcf) -0-			
Other (describe)		Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)			
Cause of Rele Found a le		ering pipeline, ca	use is to be determin	ned.				

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_Pa	3	-8	7		١

Incident ID	NAPP2210932844
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respo	nsible party consider this a major release?			
☐ Yes ⊠ No					
TC3ZEC	time to the OCD2 Develope 2 To see	ham? When and hy what means (whoma amail ata)?			
If YES, was immediate no	once given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?			
	Initial R	esponse			
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury			
☐ The source of the rele	ease has been stopped.				
The impacted area ha	s been secured to protect human health and	the environment.			
Released materials ha	ive been contained via the use of berms or	dikes, absorbent pads, or other containment devices.			
All free liquids and re	ecoverable materials have been removed ar	d managed appropriately.			
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Printed Name: Robert J	Qunaway	Title: Senior Environmental Engineer			
Signature: A	enny	Date: 4/19/22			
email: <u>rhdunaway@epro</u>	od.com	Telephone: <u>575-628-6802</u>			
OCD Only		04/19/2022			
Received by: Jocelyn I	Harimon	Date:			

Received by OCD: 1/12/2023 11 Page 19 of 140					
	, , ,				
Hours of leak	1				
Diameter of hole (inches)	0.025				
Line Pressure at Leak	1046				
Volume of Gas Leaked	0.66				
Calculations:					
Volume of Gas Leaked (MSCF) = Diameter					
**Reference: Pipeline Rules of Thumb Har	idbook, 3rd Edition, McA				
Footage of Pipe blowndown	5039				
Initial line pressure	1046				
Diameter of Pipe (inches)	12				
V Released to Imaging: 4/14/2023	11:50:37 AM 5.				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 99701

CONDITIONS

Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	99701	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/19/2022

From: Hamlet, Robert, EMNRD
To: Dunaway, Robert

Cc: Reinermann, Paul; Mendez, Brenda; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD

Subject: RE: [EXTERNAL] Extension Request for nAPP2210932844

Date: Wednesday, June 1, 2022 10:16:55 AM

[Use caution with links/attachments]

Please send all future extension requests to the OCD Enviro email box at OCD.Enviro@state.nm.us

RE: Incident #NAPP2210932844

Robert,

Your request for an extension to **October 17th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Dunaway, Robert <rhdunaway@eprod.com>

Sent: Wednesday, June 1, 2022 10:10 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Reinermann, Paul <PSREINERMANN@eprod.com>; Mendez, Brenda <BJMendez@eprod.com>

Subject: RE: [EXTERNAL] Extension Request for nAPP2210932844

Robert,

I am requesting a 90 day extension.



Senior Environmental Engineer

W: 575-628-6802

C: 361-815-0990

rhdunaway@eprod.com

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Wednesday, June 1, 2022 10:08 AM

To: Dunaway, Robert < rhdunaway@eprod.com>

Cc: Reinermann, Paul < PSREINERMANN@eprod.com >; Mendez, Brenda < BJMendez@eprod.com >

Subject: RE: [EXTERNAL] Extension Request for nAPP2210932844

[Use caution with links/attachments]

Robert,

How long of an extension are you requesting?

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Dunaway, Robert < rhdunaway@eprod.com>

Sent: Wednesday, June 1, 2022 9:32 AM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Cc: Reinermann, Paul < PSREINERMANN@eprod.com>; Mendez, Brenda < BJMendez@eprod.com>

Subject: [EXTERNAL] Extension Request for nAPP2210932844

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Good morning, Mr. Hamlet:

I would like to request an extension for nAPP2210932844 (Line 16-24-30, Poker Lake Discharge). There are logistical issues with digging including soft sand, loose fill, and parallel pipelines. I am bringing out a drilling rig to fully delineate the release in early July and plan to call y'all to discuss next steps once I get the results back. This will not be complete by the July 17, 2022 deadline.

Note that I am doing this sampling at the same time as nAPP2131670294 (A-18 lateral along the county road) and this is the earliest I could schedule a drill rig.

If you have any questions, please let me know.



Senior Environmental Engineer

W: 575-628-6802 C: 361-815-0990

rhdunaway@eprod.com

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: OCDOnline@state.nm.us
To: Dunaway, Robert

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 143139

Date: Monday, December 12, 2022 2:20:56 PM

[Use caution with links/attachments]

To whom it may concern (c/o Robert Dunaway for Enterprise Field Services, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2210932844, for the following reasons:

• The Remediation Plan is Denied. Please make sure C-141 page 5 "Remediation Plan" is signed and filled out at resubmission. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been reviewed.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 143139.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Robert Hamlet 575-748-1283 Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

Heather Woods

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Tuesday, November 15, 2022 1:18 PM

To: Heather Woods

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210932844)

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>
http://www.emnrd.nm.gov



From: Heather Woods < Heather. Woods@soudermiller.com>

Sent: Tuesday, November 15, 2022 12:29 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: rhdunaway@eprod.com; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman

<Georgeann.Goodman@soudermiller.com>

Subject: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210932844)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

Souder, Miller & Associates will be onsite to collect confirmation samples at the Enterprise Line 16-24-30 release (nAPP2210932844) located at 32.194002, -103.917758 on Thursday, November 17th beginning at 9:00am.

Many Thanks,

Heather

Heather Woods, P.G. *Project Geoscientist*

Personal Registrations: UT Professional Geologist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates

Engineering ◆ Environmental ◆ Geomatics 401 West Broadway
Farmington, NM 87401
(505) 716-2787 (mobile)
(505) 325-7535 (office)
Heather.Woods@soudermiller.com
www.soudermiller.com





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Heather Woods

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Monday, November 21, 2022 10:04 AM

To: Heather Woods

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210932844)

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>
http://www.emnrd.nm.gov



From: Heather Woods < Heather. Woods@soudermiller.com >

Sent: Monday, November 21, 2022 9:45 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: rhdunaway@eprod.com; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman

<Georgeann.Goodman@soudermiller.com>

Subject: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210932844)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

Souder, Miller & Associates will be onsite to collect confirmation samples at the Enterprise Line 16-24-30 release (nAPP2210932844) located at 32.194002, -103.917758 on Wednesday, November 23rd beginning at 9:45am.

Many Thanks, Heather

Heather Woods, P.G. *Project Geoscientist*

Personal Registrations: UT Professional Geologist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates

Engineering ◆ Environmental ◆ Geomatics 401 West Broadway
Farmington, NM 87401
(505) 716-2787 (mobile)
(505) 325-7535 (office)
Heather.Woods@soudermiller.com
www.soudermiller.com





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Heather Woods

From: Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov>

Sent: Tuesday, December 6, 2022 10:55 AM

To: Heather Woods

Cc: Dunaway, Robert; Georgeann Goodman; Sarahmay Schlea; Bratcher, Michael, EMNRD; Nobui,

Jennifer, EMNRD; Harimon, Jocelyn, EMNRD

Subject: [EXTERNAL]Request for Variance: Confirmation Sampling Notification Enterprise Line 16-24-30

(nAPP2210934844)

Heather,

Two business days' notice should be given to the OCD to conduct confirmation samples. The illness is an understandable reason for missing the confirmation sampling date. The variance is approved to collect confirmation samples today. In the future please make the OCD is aware of any changes in case an Environmental Specialist would like to be on site to witness the sampling process.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Sent: Tuesday, December 6, 2022 10:13 AM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<Robert.Hamlet@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Request for Variance: Confirmation Sampling Notification Enterprise Line 16-24-30

(nAPP2210934844)

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Heather Woods < Heather. Woods@soudermiller.com>

Sent: Friday, December 2, 2022 10:01 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: rhdunaway@eprod.com; Georgeann Goodman Georgeann.Goodman@soudermiller.com; Sarahmay Schlea

<sarahmay.schlea@soudermiller.com>

Subject: [EXTERNAL] Request for Variance: Confirmation Sampling Notification Enterprise Line 16-24-30

(nAPP2210934844)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

SMA was unable to collect confirmation samples at the Enterprise Line 16-24-30 (nAPP2210934844) yesterday due to illness. May we request a variance to the notification requirement to allow us to collect the confirmation samples today?

Many Thanks, Heather

From: Sarahmay Schlea <sarahmay.schlea@soudermiller.com>

Sent: Tuesday, November 29, 2022 7:03 AM

To: Enviro, OCD, EMNRD < cocd.enviro@state.nm.us>

Cc: rhdunaway@eprod.com <rhdunaway@eprod.com>; Heather Woods <Heather.Woods@soudermiller.com>;

Georgeann Goodman < Georgeann. Goodman@soudermiller.com >

Subject: Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210934844)

Good morning,

Souder Miller & Associates will be on-site to collect confirmation samples at the Enterprise Line 16-24-30 release (nAPP2210932844) located at 32.194002, -103.917758 on Thursday December 1st, beginning at 8:00am

Thanks a bunch, Sarahmay Schlea

Sarahmav Schlea

Staff Scientist I (she/her)

Stronger Communities by Design

Direct/Mobile: 330-958-5689

Office: 575-449-2758

www.soudermiller.com

201 S Halagueno St Carlsbad, NM 88220 Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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Heather Woods

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Monday, December 12, 2022 11:04 AM

To: Heather Woods

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210934844)

Heather,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http://www.emnrd.nm.gov



From: Heather Woods < Heather. Woods@soudermiller.com >

Sent: Monday, December 12, 2022 10:39 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: rhdunaway@eprod.com; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman

<Georgeann.Goodman@soudermiller.com>

Subject: [EXTERNAL] Confirmation Sampling Notification Enterprise Line 16-24-30 (nAPP2210934844)

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Good morning,

Souder Miller & Associates will be on-site to collect confirmation samples at the Enterprise Line 16-24-30 release (nAPP2210932844) located at 32.194002, -103.917758 on Wednesday, December 14, beginning at 10:30am.

Many Thanks, Heather

Heather Woods, P.G. *Project Geoscientist*

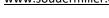
Personal Registrations: UT Professional Geologist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates

Engineering ◆ Environmental ◆ Geomatics 401 West Broadway
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APPENDIX B WATER WELL DATA

ived by OCD: 1/12/2023 11	1:00:50 AM				Page 35 of
SMA 3500 Las 0	der, Miller & Associa) Sedona Hills Park Cruces, NM 88011 phone: 575-647-07 575-647-0680	way		BOF	RING NUMBER BH-1 PAGE 1 OF 3
CLIENT Enterprise Field Ser	vices		PROJECT NAME Poker Lake	Discharge ((Line 16-24-30)
PROJECT NUMBER 5E130	002		PROJECT LOCATION Eddy County, New Mexico		
DATE STARTED 7/20/2022	COMPI	LETED 7/20/2022	GROUND ELEVATION HOLE SIZE 7.25-inches		HOLE SIZE _7.25-inches
DRILLING CONTRACTOR _E	Enviro-Drill, Inc.		_ GROUND WATER LEVELS:		
DRILLING METHOD Hollow-	Stem Auger/Air-Ro	otary			countered
LOGGED BY HW	CHECK	ED BY HW			countered
NOTES _32.19394, -103.9176	69		AFTER DRILLING	Not En	countered
SAMPLE TYPE NUMBER NUMBER ENVIRONMENTAL DATA	GRAPHIC LOG	MA	ATERIAL DESCRIPTION		WELL DIAGRAM
GB PID = 23 TPH = N CI = ND CI = 26.	ID 🚞 🗒 📗		th siltstone rock, red brown and ta		
GB PID = 23 TPH = N CI = 26.	1 ID				



Souder, Miller & Associates 3500 Sedona Hills Parkway Las Cruces, NM 88011 Telephone: 575-647-0799

BORING NUMBER BH-1

PAGE 2 OF 3 Fax: 575-647-0680 CLIENT Enterprise Field Services PROJECT NAME Poker Lake Discharge (Line 16-24-30) PROJECT LOCATION Eddy County, New Mexico PROJECT NUMBER 5E31002 ENVIRONMENTAL DATA SAMPLE TYPE NUMBER GRAPHIC LOG DEPTH (ft) MATERIAL DESCRIPTION WELL DIAGRAM 20 PID = 50.4 Siltstone, reddish white to red brown, dry to slightly moist, moderate TPH = ND odor decreasing to no odor, no staining, varying degrees of m GB CI = 22.9lithification, some caliche, very thin bedding when identifiable. PID = 93.1 TPH = ND CL = 73.7GB 25 PID = 102.1 m GB TPH = ND CI = 125 ENVIRONMENTAL BH - GINT STD US.GDT - 12/9/22 16:30 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ PID = 82.1 m GB TPH = ND CI = 146 30 PID = 54.3 TPH = ND GB CI = 150 PID = 8.1 GB TPH = ND CI = 24135 PID = 41.4 m GB TPH = ND CI = 117 PID = 31.4 TPH = ND CL = 245 GB 40 PID = 0TPH = ND GB CI = 92.4PID = 1.4 GB



BORING NUMBER BH-1

Engin	eering • Environ	S/ onmental	Las Cruce Telephone	ona Hills Pari es, NM 88011 e: 575-647-0			PAGE 3 OF 3			
CLIE			Fax: 575- rise Field Services	647-0680	PROJECT NAME PO	oker Lake Discharge (Line 16-24-30)			
			3ER <u>5E31002</u>			PROJECT LOCATION Eddy County, New Mexico				
DEPTH (ft)	SAMPLE TYPE	NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM			
UMENTS\BENTLEY\GINTQL\PROJECTS\GINT STD US.GPJ 22 25 25 25 25 25 25 2		GB GB GB	PID = 11.7 TPH = ND CI = 135 PID = 2.9 PID = 2.4 PID = 2.4 TPH = ND CI = 63.8		Siltstone, reddish white to red brown, dry to sligh odor decreasing to no odor, no staining, varying of lithification, some caliche, very thin bedding where (continued)	degrees of				
100				× × ↓56.5	Bottom of borehole at 56.5 fee	et				
ENVIRONMENTAL BH - GINT STD US.GDT - 12/9/22 16:30 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\GINT STD US.GPJ										



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

 POD

 Sub Q Q Q
 Depth Depth Water

 POD Number
 Code basin County 64 16 4 Sec Tws Rng
 X
 Y
 Well Water Column

 C 02109
 CUB ED 1 2 4 19 24S 30E 602130 3563412
 130 150 -20

Average Depth to Water: 150 feet

Minimum Depth: 150 feet

Maximum Depth: 150 feet

Record Count: 1

PLSS Search:

Section(s): 19, 30, 31, 20, **Township:** 24S **Range:** 30E

29, 32

5/24/22 3:39 PM



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 24, 25, 36 **Township:** 24S **Range:** 29E

USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

ata Category:		Geographic Area:		
Groundwater	~	United States	~	GC

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list = • 321205103544701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321205103544701 24S.30E.19.42113

Eddy County, New Mexico Latitude 32°12'05", Longitude 103°54'47" NAD27 Land-surface elevation 3,188 feet above NAVD88 The depth of the well is 452 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

e of data	
separated data	
oh of data	
elect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1958-10-24		D	62610		2958.66	NGVD29	1	Z			A
1958-10-24		D	62611		2960.30	NAVD88	1	Z			А
1958-10-24		D	72019	227.70			1	Z			А
1959-03-19		D	62610		2958.61	NGVD29	1	Z			А
1959-03-19		D	62611		2960.25	NAVD88	1	Z			А
1959-03-19		D	72019	227.75			1	Z			А
1975-12-10		D	62610		2954.58	NGVD29	1	Z			А
1975-12-10		D	62611		2956.22	NAVD88	1	Z			А
1975-12-10		D	72019	231.78			1	Z			А
1976-01-16		D	62610		2949.10	NGVD29	1	Z			А
1976-01-16		D	62611		2950.74	NAVD88	1	Z			А
1976-01-16		D	72019	237.26			1	Z			А
1976-12-01		D	62610		2955.63	NGVD29	1	Z			А
1976-12-01		D	62611		2957.27	NAVD88	1	Z			А
1976-12-01		D	72019	230.73			1	Z			А
1977-01-14		D	62610		2955.74	NGVD29	1	Z			А
1977-01-14		D	62611		2957.38	NAVD88	1	Z			А
1977-01-14		D	72019	230.62			1	Z			А
1983-02-01		D	62610		2950.43	NGVD29	1	Z			А
1983-02-01		D	62611		2952.07	NAVD88	1	Z			А
1983-02-01		D	72019	235.93			1	Z			А
1987-10-15		D	62610		2953.06	NGVD29	1	S			А
1987-10-15		D	62611		2954.70	NAVD88	1	S			А
1987-10-15		D	72019	233.30			1	S			А
1998-01-27		D	62610		2955.34	NGVD29	1	S			А
1998-01-27		D	62611		2956.98	NAVD88	1	S			А
1998-01-27		D	72019	231.02			1	S			А

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u> **Title: Groundwater for USA: Water Levels**

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-05-24 17:42:06 EDT

0.33 0.29 nadww01



APPENDIX C SAMPLING PROTOCOL



Souder, Miller & Associates • 201 S. Halagueno • Carlsbad, NM 88220 (575) 689-8801

Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Laboratory in Farmington, New Mexico for analysis. Samples collected for laboratory analysis were analyzed for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

APPENDIX D FIELD NOTES AND PHOTOLOG

		_\\ <u>S\</u>	<u>IA</u> FI	ELD SCREEN	ING			
LOCATION NAME:	Poker Lake	114-24-3	10 Enter	prist	SAMPLING DATE: November 15, 2022			
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	Management of the second of th		
SC-14@12	1059	863.6						
SC-16@12	1100	365.7						
SC-12012	1102	47.3						
SC-10@12	1103	257.3						
SC-16@16	1120	60.6						
SC-14@16	1128	6.7						
sc-10 @16	1138	60.3						
SC-1@17	1155	145.9						
sc-2@17	1347	338						
SC-1 P18	1352	246.7						
SC-2@20	1403	14.9				soil became darker; a reddish brown @2aft; was more clay		
SC-1@20	1413	123.3				Slightly when compressed but		
30-1620	1419	210				broke apart easity.		
3C-1@20 SC-1@24	1429	233						
	-							

soil color: light, dark, tan, brown, yellow, red, olive, gray

soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet

	_\\ <u>Si</u>	<u>AA</u> FI	ELD SCREEN	ING		
Pokerlake (16-24-30	Enterpr	75C	SAMPLING DATE: November 14,2022		
Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION	
0350	59.1					
0853	13.2				SC-14026	
0857	8.6				SC-16026	
0900	3.1				56-12@20'	
0902	2.00				SC-10 @20'	
14						
	Collection Time 0850 0853 0857 0857 0900	Collection PID Reading 0850 59.1 0853 13.2 0857 8.6	Collection PID Reading EC (mS) 0850 59.1 0853 13.2 0857 8.6 0900 3.1	Collection Time Reading EC (mS) Temp (°C) 0850 59.1 0853 13.2 0857 8.6 0900 3.1	Collection Time PID Reading EC (mS) Temp (°C) PetroFlag 0850 59.1 0853 13.2 0957 8.6 0900 3.1	

soil color: light, dark, tan, brown, yellow, red, olive, gray

soil type: gravel, rock, sand, silty, clay

mositure level: dry, moist, wet

SMA FIELD SCREENING									
LOCATION NAME:	énterprisa	e Pour	lake	SAMPLING DATE: 12/14/2022					
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION			
SWE @0-10		7.4							

soil color: light, dark, tan, brown, yellow, red, olive, gray

soil type: gravel, rock, sand, silty, clay mositure level: dry, moist, wet

20 rows/sheet



Photograph #1	NW NE 300 1°N (T) ● 32.193878°N, 103.917771°W ±13ft ▲ 3169ft
Client:	₩ 1 N (1) ₩ 32.193878 N, 103.917771 ₩ ±13R ₩ 3109R
Enterprise Field	
Services	
36141663	
Site Name:	
Poker Lake Discharge	
(Line 16-24-30)	
,	
Date Photo Taken:	
November 16, 2022	
Release Location:	
N32.194002,	
W103.917758	
B-Sec 30-T24S-R30E	
Eddy County, New	
Mexico	
	TO A MODELLA MODELLA CONTROL OF THE PROPERTY O
Photo Taken by:	Description: Facing north, view of the excavation area on November 16, 2022.
Sarahmay Schlea	



Photograph #2

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 16, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

SW NW

Description: Facing west, view of the excavation area on November 16, 2022.



Photograph #3

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 16, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

SE SW

Description: Facing south, view of the base confirmation sample BS02 as sampled on November 17, 2022, photo taken on November 16, 2022.



Photograph #4

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 16, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

SW

Description: Facing south, view of the base confirmation sample BS01 as sampled on November 17, 2022, photo taken on November 16, 2022.



Photograph #5

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 16, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

NE © 97°E (T) © 32.193947°N, 103.917785°W ±13ft ▲ 3162ft

Description: Facing east, view of the excavation area on November 16, 2022.



Photograph #6 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: November 17, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing east, view of the excavation bench area on November 17, 2022. Sarahmay Schlea



Photograph #7

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 17, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

SE 1/17/2022, 10:30:34 MST

Description: Facing south-southeast, view of sidewall confirmation sample SW4 on November 17, 2022.



Photograph #8

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 17, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

W SW

Photo Taken by: Sarahmay Schlea

Description: Facing west-southwest, view of the sidewall confirmation sample SW2 on November 17, 2022.



Photograph #9 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: November 17, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico

Description: Facing west-southwest, view of the sidewall confirmation sample SW3 on November 17, 2022.

Photo Taken by:

Sarahmay Schlea



Photograph #10

Client: Enterprise Field Services

Site Name:

Poker Lake Discharge (Line 16-24-30)

Date Photo Taken: November 17, 2022

Release Location: N32.194002, W103.917758

B-Sec 30-T24S-R30E Eddy County, New Mexico

Photo Taken by: Sarahmay Schlea

NW NE

Description: Facing northwest, view of sidewall confirmation sample SW1 on November 17, 2022.



Photograph #11 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: November 17, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing east-northeast, view of the excavation area on November 17, 2022. Sarahmay Schlea



SW Photograph #12 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: November 23, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing south-southwest, view of the sample area SW1 on November 23, 2022. Sarahmay Schlea



NW NE 300 330 0 30 Photograph #13 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: December 6, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico 12/06/2022, 13:02:57 MST Photo Taken by: Description: Facing east-north, view of the excavation area on December 6, 2022. Sarahmay Schlea



W Photograph #14 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: December 6, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing northwest, view of the excavation area on December 6, 2022. Sarahmay Schlea



NW NE Photograph #15 ② 22°N (T) ③ 32.193907°N, 103.917773°W ±13ft ▲ 3157ft Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: December 6, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing north-northeast, view of the excavation area on December 6, 2022. Sarahmay Schlea



SE SW Photograph #16 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: December 6, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing south-southwest, view of the excavation area on December 6, 2022. Sarahmay Schlea



SE SW 150 180 210 240 Photograph #17 Client: **Enterprise Field** Services Site Name: Poker Lake Discharge (Line 16-24-30) Date Photo Taken: December 6, 2022 Release Location: N32.194002, W103.917758 B-Sec 30-T24S-R30E Eddy County, New Mexico Photo Taken by: Description: Facing south-southwest, view of the excavation area on December 6, 2022. Sarahmay Schlea

APPENDIX E LABORATORY ANALYTICAL REPORTS

Report to:
Heather Woods







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Po

Poker Lake 16-24-30

Work Order:

E211102

Job Number:

97057-0001

Received:

11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/21/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Poker Lake 16-24-30

Workorder: E211102

Date Received: 11/18/2022 6:30:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Poker Lake 16-24-30.

The analytical test results summarized in this report with the Project Name: Poker Lake 16-24-30 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	Keporteu:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/22 07:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS01 @ 26	E211102-01A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
BS02 @ 20	E211102-02A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW1 @ 0 - 9'	E211102-03A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW1 @ 9 - 18'	E211102-04A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW1 @ 18 - 26'	E211102-05A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW2 @ 0 - 9'	E211102-06A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW2 @ 9 - 18'	E211102-07A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW2 @ 18 - 26'	E211102-08A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW3 @ 0 - 10'	E211102-09A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW3 @ 10 - 20'	E211102-10A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW4 @ 0 - 7'	E211102-11A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW4 @ 7 - 14'	E211102-12A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.
SW4 @ 14 - 20'	E211102-13A	Soil	11/17/22	11/18/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

BS01 @ 26 E211102-01

		E211102-01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Tillary	Result	Limit	Dilution	Trepared	Maryzea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
o,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Ana	Analyst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		100 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2247093
Chloride	23.1	20.0	1	11/18/22	11/18/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

BS02 @ 20

		E211102-02				
Reporting						
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: IY		Batch: 2247076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.3 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analyst: RAS		Batch: 2247074	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		99.1 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2247093
Chloride	157	20.0	1	11/18/22	11/18/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW1 @ 0 - 9'

		E211102-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
o,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2247093
Chloride	37.2	20.0	1	11/18/22	11/18/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW1 @ 9 - 18'

		E211102-04						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2247076		
Benzene	ND	0.0250	1	11/17/22	11/18/22			
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22			
Toluene	ND	0.0250	1	11/17/22	11/18/22			
o-Xylene	ND	0.0250	1	11/17/22	11/18/22			
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22			
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22			
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2247076		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2247074		
Diesel Range Organics (C10-C28)	57.2	25.0	1	11/17/22	11/18/22			
Oil Range Organics (C28-C36)	65.6	50.0	1	11/17/22	11/18/22			
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/18/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247093		
Chloride	174	20.0	1	11/18/22	11/18/22			



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW1 @ 18 - 26'

E211102-05								
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2247076		
Benzene	ND	0.0250	1	11/17/22	11/18/22			
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22			
Toluene	ND	0.0250	1	11/17/22	11/18/22			
o-Xylene	ND	0.0250	1	11/17/22	11/18/22			
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22			
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22			
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2247076		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.8 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2247074		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22			
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22			
Surrogate: n-Nonane		94.8 %	50-200	11/17/22	11/18/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2247093		
Chloride	ND	20.0	1	11/18/22	11/18/22			



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW2 @ 0 - 9'

		E211102-06				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		97.4 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2247093
Chloride	ND	20.0	1	11/18/22	11/18/22	·



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW2 @ 9 - 18'

E211102-07								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247076		
Benzene	ND	0.0250	1	11/17/22	11/18/22			
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22			
Toluene	ND	0.0250	1	11/17/22	11/18/22			
o-Xylene	ND	0.0250	1	11/17/22	11/18/22			
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22			
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22			
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247076		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		76.6 %	70-130	11/17/22	11/18/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2247074		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22			
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22			
Surrogate: n-Nonane		98.2 %	50-200	11/17/22	11/18/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247093		
Chloride	24.7	20.0	1	11/18/22	11/18/22	·		



Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW2 @ 18 - 26'

E211102-08							
		Reporting					
Analyte	Result	Limit	Dilut	ion Prepar	red Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2247076	
Benzene	ND	0.0250	1	11/17/	22 11/18/22		
Ethylbenzene	ND	0.0250	1	11/17/	22 11/18/22		
Toluene	ND	0.0250	1	11/17/	22 11/18/22		
o-Xylene	ND	0.0250	1	11/17/	22 11/18/22		
p,m-Xylene	ND	0.0500	1	11/17/	22 11/18/22		
Total Xylenes	ND	0.0250	1	11/17/	22 11/18/22		
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/17/	/22 11/18/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2247076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/	22 11/18/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.7 %	70-130	11/17/	/22 11/18/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	P	Analyst: RAS		Batch: 2247074	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/	/22 11/18/22		
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/	22 11/18/22		
Surrogate: n-Nonane		97.2 %	50-200	11/17/	/22 11/18/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	P	Analyst: KL		Batch: 2247093	

20.0

20.5

11/18/22

11/18/22



Anions by EPA 300.0/9056A

Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW3 @ 0 - 10'

E211102-09 Reporting Analyte Limit Dilution Prepared Analyzed Notes Result Analyst: IY Batch: 2247076 mg/kg mg/kg Volatile Organics by EPA 8021B 11/17/22 11/18/22 ND 0.0250 Benzene 1 11/17/22 11/18/22 Ethylbenzene ND 0.0250ND 0.02501 11/17/22 11/18/22 Toluene 1 11/17/22 11/18/22 o-Xylene ND 0.02501 11/17/22 11/18/22 ND 0.0500 p,m-Xylene 11/17/22 11/18/22 0.0250 1 Total Xylenes ND 11/17/22 11/18/22 101 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: IY Batch: 2247076 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 11/17/22 11/18/22 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 95.9 % 11/17/22 11/18/22 70-130 mg/kg mg/kg Analyst: RAS Batch: 2247074 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 11/17/22 11/18/22 Diesel Range Organics (C10-C28) ND 11/17/22 11/18/22 Oil Range Organics (C28-C36) 50.0 1 11/17/22 11/18/22 Surrogate: n-Nonane 101 % 50-200

mg/kg

20.0

mg/kg

41.7

Analyst: KL

11/18/22

11/18/22

1



Batch: 2247093

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW3 @ 10 - 20'

		E211102-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		101 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247093
Chloride	ND	20.0	1	11/18/22	11/18/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW4 @ 0 - 7'

		E211102-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247093
Chloride	ND	20.0	1	11/18/22	11/18/22	·



Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW4 @ 7 - 14' E211102-12

Reporting Analyte Result Limit Dilution Prepared Analyzed Notes mg/kg mg/kg Analyst: IY Batch: 2247076 Volatile Organics by EPA 8021B 11/17/22 11/18/22 ND 0.0250 Benzene 1 11/17/22 11/18/22 Ethylbenzene ND 0.025011/18/22 ND 0.0250 1 11/17/22 Toluene 1 11/17/22 11/18/22 ND o-Xylene 0.0250ND 1 11/17/22 11/18/22 0.0500p,m-Xylene 11/18/22 11/17/22 1 Total Xylenes ND 0.025011/18/22 11/17/22 102 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: IY Batch: 2247076 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg

Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		105 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2247093

20.0

11/18/22

11/18/22

ND

Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

SW4 @ 14 - 20'

		E211102-13				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Maryte		Limit		1	Amaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2247076
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	Analyst: IY		Batch: 2247076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	kg Analyst: RAS			Batch: 2247074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2247093

20.0

ND

11/18/22

1

11/18/22



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	•
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

Carlsbad NM, 88220		Project Manager:		eather Woods				11.	/21/2022 7:25:55Al
Volatile Organics by EPA 8021B Analyst: IY									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247076-BLK1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			
LCS (2247076-BS1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Benzene	5.93	0.0250	5.00		119	70-130			
Ethylbenzene	4.57	0.0250	5.00		91.3	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.7	70-130			
o,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			
LCS Dup (2247076-BSD1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Benzene	5.91	0.0250	5.00		118	70-130	0.325	20	
Ethylbenzene	4.57	0.0250	5.00		91.5	70-130	0.161	20	
Toluene	4.93	0.0250	5.00		98.7	70-130	0.557	20	
o-Xylene	4.67	0.0250	5.00		93.4	70-130	0.819	20	
o,m-Xylene	9.28	0.0500	10.0		92.8	70-130	0.221	20	
		0.0050	15.0		93.0	70-130	0.421	20	
Total Xylenes	14.0	0.0250	15.0		93.0	/0-130	0.421	20	



Analyst: IY

QC Summary Data

Souder Miller Associates - CarlsbadProject Name:Poker Lake 16-24-30Reported:201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Heather Woods11/21/20227:25:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247076-BLK1)						Prepared: 11	I/17/22 A	nalyzed: 11/18/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.50		8.00	81.2	70-130			
LCS (2247076-BS2)						Prepared: 11	1/17/22 A	nalyzed: 11/18/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.48		8.00	80.9	70-130			
LCS Dup (2247076-BSD2)						Prepared: 11	1/17/22 A	nalyzed: 11/18/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	97.7	70-130	2.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00	82.5	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	•
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/2022 7:25:55AM

Carlsbad NM, 88220		Project Manage	r: He	eather Woods				11/	/21/2022 7:25:55AN
	Nonhal	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247074-BLK1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			
LCS (2247074-BS1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	240	25.0	250		95.8	38-132			
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			
Matrix Spike (2247074-MS1)				Source:	E211102-0	04	Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	274	25.0	250	57.2	86.8	38-132			
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			
Matrix Spike Dup (2247074-MSD1)				Source:	E211102-0	04	Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	294	25.0	250	57.2	94.5	38-132	6.84	20	
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			



250

256

20.0

20.0

Chloride

Chloride

LCS Dup (2247093-BSD1)

QC Summary Data

	Project Number: Project Manager:	9	7057-0001	24-30			11	Reported: //21/2022 7:25:55AM
	<u> </u>			<u> </u>				Analyst: KL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
ND	20.0					Duamanada 1	1/19/22	alverad. 11/19/22
	Result mg/kg	Project Number: Project Manager: Anions Reporting Limit mg/kg mg/kg	Project Number: 9 Project Number: 9 Project Manager: F Anions by EPA Reporting Spike Limit Level mg/kg mg/kg mg/kg	Project Number: 97057-0001 Project Manager: Heather Woods Anions by EPA 300.0/9056A Reporting Spike Source Result Limit Level Result mg/kg mg/kg mg/kg mg/kg	Project Number: 97057-0001 Project Manager: Heather Woods Anions by EPA 300.0/9056A Reporting Spike Source Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg %	Project Number: 97057-0001 Project Manager: Heather Woods Anions by EPA 300.0/9056A Reporting Spike Source Rec Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % %	Project Number: 97057-0001 Project Manager: Heather Woods Anions by EPA 300.0/9056A Result Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg % % % Prepared: 1 ND 20.0	Project Number: 97057-0001 Project Manager: Heather Woods Anions by EPA 300.0/9056A Result Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % Prepared: 11/18/22 Ana

250

250

90-110

90-110

2.39

Prepared: 11/18/22 Analyzed: 11/18/22

100

102

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/21/22 07:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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Received by OCD: 1/12/2023 11:00:50 AM

envirotech Inc.

Printed: 11/18/2022 10:11:04AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

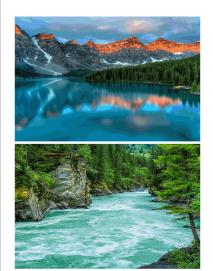
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone: (575)206-543	Client:	Souder Miller Associates - Carlsbad	Date Received:	11/18/22	06:30		Work Order ID:	E211102
Abusin of Custody (COC) 1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples droped off by client or carrier? 4. Was the COC complete, i.e., signatures, datest/times, requested analyses? 5. Were all samples received within holding time? 6. Note charalysis, such as plf which shoulds be conducted in the field, i.e., 15 minute hold times, are not included in this discussion. Samule Turn Acroand Time (TAT) 7. Did the COC indicate standard TAT, or Expedited TAT? 8. If yes, was cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample special intext, i.e., not broken? 9. Was the sample received on iscel' If yes, the recorded temp is 4°C, i.e., 6°±2°C. 9. Was the sample received on iscel' If yes, the recorded temp is 4°C, i.e., 6°±2°C. 9. Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6.8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Owere field sample labels filled out with the minimum information: 19. Sample I Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. It is high literation required and or requested for dissolved metals? 24. Is lab filleration required and or requested for dissolved metals? 25. No. 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples pleave more than one phase, i.e., multiphase? 29. Was a subcontract Laboratory. 20. Was a subcontract Laboratory. 20. Was a subcontract Laboratory.	Phone:	(575) 200-5443	Date Logged In:	11/17/22	14:43		Logged In By:	Caitlin Christian
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Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Heather Woods







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Poker Lake 16-24-30

Work Order: E211153

Job Number: 97057-0001

Received: 11/28/2022

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 11/29/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/29/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Poker Lake 16-24-30

Workorder: E211153

Date Received: 11/28/2022 10:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/28/2022 10:00:00AM, under the Project Name: Poker Lake 16-24-30.

The analytical test results summarized in this report with the Project Name: Poker Lake 16-24-30 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Sample Summary

Γ	Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Domanto do
l	201 S Halagueno St.	Project Number:	97057-0001	Reported:
1	Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/22 16:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 @ 0 - 9'	E211153-01A	Soil	11/23/22	11/28/22	Glass Jar, 4 oz.
SW1 @ 9 - 18'	E211153-02A	Soil	11/23/22	11/28/22	Glass Jar, 4 oz.



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 4:33:28PM

SW1 @ 0 - 9' E211153-01

		E211133-01					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	DII	ution	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2249007
Benzene	ND	0.0250		1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250		1	11/28/22	11/28/22	
Toluene	ND	0.0250		1	11/28/22	11/28/22	
o-Xylene	ND	0.0250		1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500		1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250		1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/28/22	11/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/28/22	11/28/22	
Surrogate: Toluene-d8		103 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/28/22	11/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/28/22	11/28/22	
Surrogate: Toluene-d8		103 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0		1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	11/28/22	11/28/22	
Surrogate: n-Nonane		86.6 %	50-200		11/28/22	11/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2249006
Chloride	ND	20.0		1	11/28/22	11/28/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 4:33:28PM

SW1 @ 9 - 18'

		E211153-02				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY		Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	11/28/22	11/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/28/22	11/28/22	
Surrogate: Toluene-d8		105 %	70-130	11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	11/28/22	11/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/28/22	11/28/22	
Surrogate: Toluene-d8		105 %	70-130	11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/28/22	
Surrogate: n-Nonane		117 %	50-200	11/28/22	11/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2249006

20.0

11/28/22

11/28/22

ND



Chloride

QC Summary Data

Poker Lake 16-24-30 Souder Miller Associates - Carlsbad Project Name: Reported: 201 S Halagueno St. Project Number: 97057-0001 Carlsbad NM, 88220 Project Manager: Heather Woods 11/29/2022 4:33:28PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2249007-BLK1) Prepared: 11/28/22 Analyzed: 11/28/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.476 0.500 95.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.502 0.500 100 70-130 0.500 104 70-130 Surrogate: Toluene-d8 0.522 LCS (2249007-BS1) Prepared: 11/28/22 Analyzed: 11/29/22 2.31 0.0250 2.50 92.3 70-130 Benzene 2.33 2.50 93.1 70-130 Ethylbenzene 0.0250 2.28 0.0250 2.50 91.1 70-130 70-130 2.22 0.0250 2.50 88.7 o-Xylene 4.43 5.00 88.5 70-130 p,m-Xylene 0.0500 6.64 0.0250 7.50 88.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.505 0.500 101 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.507 70-130 Surrogate: Toluene-d8 0.526 0.500 Matrix Spike (2249007-MS1) Source: E211151-02 Prepared: 11/28/22 Analyzed: 11/28/22 48-131 2.35 0.0250 2.50 ND 94.0 45-135 Ethylbenzene 2.36 0.0250 2.50 ND 94.4 93.2 48-130 Toluene 2.33 0.0250 2.50 ND 2.21 0.0250 2.50 ND 88.4 43-135 o-Xylene 5.00 ND 89.2 43-135 p,m-Xylene 4.46 0.0500 Total Xylenes 6.67 0.0250 7.50 ND 88.9 43-135 102 Surrogate: Bromofluorobenzene 0.510 0.500 70-130 0.517 0.500 103 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.521 Surrogate: Toluene-d8 Matrix Spike Dup (2249007-MSD1) Source: E211151-02 Prepared: 11/28/22 Analyzed: 11/28/22 2.49 0.0250 2.50 ND 48-131 5.79 23 0.0250 2.50 ND 45-135 6.62 27 Ethylbenzene ND 99.1 48-130 24 2.48 2.50 6.16 Toluene 0.0250 o-Xylene 2.44 0.0250 2.50 ND 97.6 43-135 9.91 27 4.80 5.00 ND 95.9 43-135 27 0.0500 7.27 p,m-Xylene 27 7.24 0.0250 7.50 ND 96.5 43-135 8.16 Total Xylenes



0.500

0.500

0.500

102

95.5

70-130

70-130

70-130

0.509

0.478

0.528

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Analyst: IY

QC Summary Data

Poker Lake 16-24-30 Souder Miller Associates - Carlsbad Project Name: Reported: 201 S Halagueno St. Project Number: 97057-0001 Project Manager: Carlsbad NM, 88220 Heather Woods 11/29/2022 4:33:28PM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2249007-BLK1)							Prepared: 1	1/28/22 Ana	alyzed: 11/28/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2249007-BS2)							Prepared: 1	1/28/22 Ana	alyzed: 11/28/22
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
Matrix Spike (2249007-MS2)				Source:	E211151-()2	Prepared: 1	1/28/22 Ana	alyzed: 11/28/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Matrix Spike Dup (2249007-MSD2)				Source:	E211151-()2	Prepared: 1	1/28/22 Ana	alyzed: 11/28/22
G 1: P 0 : (G(G10)		20.0	50.0	ND	105	70-130	1.31	20	
Gasoline Range Organics (Co-C10)	52.3	20.0	50.0	1.12	100	70 150			
	52.3 0.490	20.0	0.500		98.0	70-130			
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4		20.0							



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 4:33:28PM

Carlsbad NM, 88220		Project Manage	r: He	eather Woods					11/29/2022 4:33:28PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2249005-BLK1)							Prepared: 1	1/28/22	Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			
LCS (2249005-BS1)							Prepared: 1	1/28/22 A	Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	34.2		50.0		68.3	50-200			
Matrix Spike (2249005-MS1)				Source:	E211151-0)2	Prepared: 1	1/28/22 A	Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	35.5		50.0		70.9	50-200			
Matrix Spike Dup (2249005-MSD1)				Source:	E211151-0)2	Prepared: 1	1/28/22	Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.676	20	
Surrogate: n-Nonane	36.7		50.0		73.4	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad		Project Name:		Poker Lake 16-2	24-30				Reported:
201 S Halagueno St. Carlsbad NM, 88220		Project Number: Project Manager:		97057-0001 Heather Woods					11/29/2022 4:33:28PM
		Anions	by EPA	300.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2249006-BLK1)							Prepared:	11/28/22	Analyzed: 11/28/22
Chloride	ND	20.0							
LCS (2249006-BS1)							Prepared:	11/28/22	Analyzed: 11/28/22
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2249006-MS1)				Source:	E211151-0	1	Prepared:	11/28/22	Analyzed: 11/28/22
Chloride	570	20.0	250	295	110	80-120			
Matrix Spike Dup (2249006-MSD1)				Source:	E211151-0	1	Prepared:	11/28/22	Analyzed: 11/28/22
Chloride	571	20.0	250	295	110	80-120	0.0871	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/22 16:33

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



ject Info	rmation					Cha	in of Custody										-DA	Drogram
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Time Celqms	Date Sampled	Matrix	Courame.	Sample ID			Numbe	<u> </u>	5	2	>	-2	9	`	X			
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Additi	ional Insti	ructions:	ase s	and nep	ort t	Swellment Sc pering with or intentionally mislabelling	the sample location, da	gan y	ine	2000	will	Sam	Age of the control of	harmal men	uan aton	125, 3c, 15nm	med on ice	the day they are sample on subsequent days
, (fed s	ampler), attest	- the validity	end authentic	ty of this sample. Tami		Sarahm	my Schlea			īme		-				Jab Use		
time of	uished by: (S			Date	ime 140000	Received by: (Signature)	1	-23-	22	140	70	R	eceived	on ice:				
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Kenno	4013,103 07.1					angements are made. Hatardous if the laboratory is limited to the ar	Cor	tainer	Type:	g - g	ass, p				nber	glass, v -	VOA	single samples is i
		a sed soli	d Sc. Sludge	A - Aqueous, O - Ot	her	_	1 111 1	ed ta cli	ent or o	dispose	d of at	the cli	ent expense	The el	port to	r the analy	שורי יח כוכ	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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Printed: 11/28/2022 10:54:47AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	11/28/22 10	0:00	Work Order ID:	E211153
Phone:	(575) 200-5443	Date Logged In:	11/28/22 10	0:20	Logged In By:	Caitlin Christian
Email:		Due Date:	11/28/22 17	7:00 (0 day TAT)		
	Custody (COC)					
	he sample ID match the COC?	. 1 4 . 606	Yes			
	he number of samples per sampling site location ma	ten the COC	Yes			
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: Courier	<u>r</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
Sample 7	Turn Around Time (TAT)					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
• 1	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	<u>Container</u>		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contai		Yes			
Field Lal						
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	Pate/Time Collected?		Yes	L		
	Collectors name?		No			
	Preservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subconti	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborato	ory?	No			
29. Was a	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: na		
Client In	nstruction					

Page 13 of 13

Date

Report to:
Heather Woods







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Poker Lake 16-24-30

Work Order: E212048

Job Number: 97057-0001

Received: 12/8/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 12/9/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/9/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Poker Lake 16-24-30

Workorder: E212048

Date Received: 12/8/2022 11:15:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2022 11:15:00AM, under the Project Name: Poker Lake 16-24-30.

The analytical test results summarized in this report with the Project Name: Poker Lake 16-24-30 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Donoutodi		
201 S Halagueno St.	Project Number:	97057-0001	Reported:	
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/09/22 12:38	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWE @ 0 - 10	E212048-01A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
SWE @ 10 - 20	E212048-02A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
SWE @ 20 - 31'	E212048-03A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
BSE 1 @ 31	E212048-04A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
BSE 2 @ 31	E212048-05A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
NESW @ 0 - 10	E212048-06A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
NESW @ 10 - 20	E212048-07A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
NESW @ 20 - 31	E212048-08A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
SWW	E212048-09A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
NWSW	E212048-10A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.
BSW @ 9	E212048-11A	Soil	12/06/22	12/08/22	Glass Jar, 2 oz.



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

SWE @ 0 - 10 E212048-01

	E212040-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: SL	<u>-</u>	Batch: 2250066
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0500	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
	105 %	70-130	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2250066
ND	20.0	1	12/08/22	12/08/22	
	98.8 %	70-130	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2250068
180	25.0	1	12/08/22	12/08/22	
184	50.0	1	12/08/22	12/08/22	
	105 %	50-200	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2250071
301	20.0	1	12/08/22	12/08/22	
	mg/kg ND ND ND ND ND ND ND ND 184 mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO5 % mg/kg mg/kg mg/kg ND 20.0 98.8 % mg/kg 180 25.0 184 50.0 105 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg And ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg And ND 20.0 1 98.8 % 70-130 70-130 mg/kg mg/kg And 180 25.0 1 184 50.0 1 105 % 50-200 mg/kg mg/kg And	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0500 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/08/22 mg/kg mg/kg Analyst: JL 180 25.0 1 12/08/22 184 50.0 1 12/08/22 184 50.0 1 12/08/22 mg/kg mg/kg Analyst: KL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0500 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 mg/kg mg/kg Analyst: SL ND 12/08/22 12/08/22 mg/kg mg/kg Analyst: JL 12/08/22 12/08/22 12/08/22 mg/kg mg/kg Analyst: JL 1 12/08/22 12/08/22 12/08/22 mg/kg mg/kg Analyst: KL 1 12/08/22 12/08/22 12/08/22



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

SWE @ 10 - 20

E212048-02						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		107 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2250071
Chloride	44.0	20.0	1	12/08/22	12/08/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

SWE @ 20 - 31'

E212048-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		85.0 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250071
Chloride	26.6	20.0	1	12/08/22	12/08/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

BSE 1 @ 31

E212048-0	4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.9 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		79.9 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250071
Chloride	345	20.0	1	12/08/22	12/08/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

BSE 2 @ 31

E212048-05						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	47.5	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		73.2 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2250071
Chloride	323	20.0	1	12/08/22	12/08/22	·



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

NESW @ 0 - 10

	Panartina				
Result	Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2250066
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
ND	0.0500	1	12/08/22	12/08/22	
ND	0.0250	1	12/08/22	12/08/22	
	98.6 %	70-130	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2250066
ND	20.0	1	12/08/22	12/08/22	
	95.0 %	70-130	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2250068
ND	25.0	1	12/08/22	12/08/22	
ND	50.0	1	12/08/22	12/08/22	
	105 %	50-200	12/08/22	12/08/22	
mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2250071
	mg/kg ND ND ND ND ND ND ND ND ND N	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 98.6 % mg/kg ND 20.0 95.0 % mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.6% 70-130 mg/kg mg/kg Ana ND 20.0 1 95.0% 70-130 mg/kg ND 25.0 1 ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0250 1 12/08/22 ND 0.0500 1 12/08/22 ND 0.0250 1 12/08/22 mg/kg mg/kg Analyst: SL MD 20.0 1 12/08/22 mg/kg mg/kg Analyst: JL ND 25.0 1 12/08/22 ND 25.0 1 12/08/22 ND 50.0 1 12/08/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0500 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 ND 0.0250 1 12/08/22 12/08/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/08/22 12/08/22 mg/kg mg/kg Analyst: SL 12/08/22 12/08/22 mg/kg mg/kg Analyst: JL ND 25.0 1 12/08/22 12/08/22 ND 25.0 1 12/08/22 12/08/22 12/08/22 ND 50.0 1 12/08/22 12/08/22 12/08/22



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

NESW @ 10 - 20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		112 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250071
	•	·	·	·	12/08/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

NESW @ 20 - 31

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		118 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2250071
Chloride	35.5	20.0	1	12/08/22	12/08/22	



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

SWW

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL	<u> </u>	Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		119 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250071
Chloride	51.5	20.0	1	12/08/22	12/08/22	



Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

NWSW

E212048-10 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: SL Batch: 2250066 mg/kg mg/kg Volatile Organics by EPA 8021B 12/08/22 12/08/22 ND 0.0250 Benzene 1 12/08/22 12/08/22 Ethylbenzene ND 0.0250ND 0.02501 12/08/22 12/08/22 Toluene 1 12/08/22 12/08/22 o-Xylene ND 0.02501 12/08/22 12/08/22 ND 0.0500 p,m-Xylene 12/08/22 12/08/22 1 Total Xylenes ND 0.025012/08/22 12/08/22 101 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: SL Batch: 2250066 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 12/08/22 ND 20.0 1 12/08/22 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 91.8 % 12/08/22 12/08/22 70-130 mg/kg mg/kg Analyst: JL Batch: 2250068 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 12/08/22 12/08/22 Diesel Range Organics (C10-C28) ND 12/08/22 12/08/22 Oil Range Organics (C28-C36) 50.0 1 12/08/22 12/08/22 Surrogate: n-Nonane 118 % 50-200 Analyst: KL Batch: 2250071 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

12/08/22

12/08/22

ND



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/9/2022 12:38:15PM

BSW @ 9

		E212048-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Benzene	ND	0.0250	1	12/08/22	12/08/22	
Ethylbenzene	ND	0.0250	1	12/08/22	12/08/22	
Toluene	ND	0.0250	1	12/08/22	12/08/22	
o-Xylene	ND	0.0250	1	12/08/22	12/08/22	
p,m-Xylene	ND	0.0500	1	12/08/22	12/08/22	
Total Xylenes	ND	0.0250	1	12/08/22	12/08/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2250066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/22	12/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	12/08/22	12/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2250068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/22	12/08/22	
Surrogate: n-Nonane		115 %	50-200	12/08/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2250071
Chloride	51.3	20.0	1	12/08/22	12/08/22	



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Souder Miller Associates - Carlsbad Project Name: Poker Lake 16-24-30 Reported:
201 S Halagueno St. Project Number: 97057-0001
Carlsbad NM, 88220 Project Manager: Heather Woods 12/9/2022 12:38:15PM

Carlsbad NM, 88220		Project Manager	: Не	eather Woods				1	2/9/2022 12:38:15PM	
Volatile Organics by EPA 8021B Analyst: SL										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2250066-BLK1)							Prepared: 12	2/08/22 An	alyzed: 12/08/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130				
LCS (2250066-BS1)							Prepared: 12	2/08/22 An	alyzed: 12/08/22	
Benzene	4.66	0.0250	5.00		93.1	70-130				
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130				
Toluene	4.89	0.0250	5.00		97.8	70-130				
o-Xylene	4.96	0.0250	5.00		99.2	70-130				
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130				
Total Xylenes	14.7	0.0250	15.0		98.0	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130				
LCS Dup (2250066-BSD1)							Prepared: 12	2/08/22 An	alyzed: 12/08/22	
Benzene	4.13	0.0250	5.00		82.6	70-130	11.9	20		
Ethylbenzene	4.27	0.0250	5.00		85.5	70-130	11.6	20		
Toluene	4.35	0.0250	5.00		86.9	70-130	11.8	20		

5.00

10.0

15.0

8.00

88.4

86.7

87.3

70-130

70-130

70-130

70-130

11.6

11.7

11.6

20

20

4.42

8.67

13.1

8.03

0.0250

0.0500

0.0250



Souder Miller Associates - CarlsbadProject Name:Poker Lake 16-24-30Reported:201 S Halagueno St.Project Number:97057-0001Carlsbad NM, 88220Project Manager:Heather Woods12/9/2022 12:38:15PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: S	SL
------------	----

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Rec Limits RPD		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2250066-BLK1)						Prepared: 12	2/08/22	Analyzed: 12/08/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00	93.2	70-130			
LCS (2250066-BS2)						Prepared: 12	2/08/22	Analyzed: 12/08/22
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00	96.2	70-130			
LCS Dup (2250066-BSD2)						Prepared: 12	2/08/22	Analyzed: 12/08/22
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	92.4	70-130	0.319	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00	97.1	70-130			



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St. Carlsbad NM, 88220	Project Number: Project Manager:	97057-0001 Heather Woods	12/9/2022 12:38:15PM
Carisbau INIVI, 86220	Floject Manager.	Heather Woods	12/9/2022 12.36.131 W

Carlsbad NM, 88220		Project Manage	r: He	ather Woods					12/9/2022 12:38:15PN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2250068-BLK1)							Prepared: 1	2/08/22 A	nalyzed: 12/08/22	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	58.9		50.0		118	50-200				
LCS (2250068-BS1)							Prepared: 1	2/08/22 A	nalyzed: 12/08/22	
Diesel Range Organics (C10-C28)	246	25.0	250		98.6	38-132				
Surrogate: n-Nonane	60.6		50.0		121	50-200				
Matrix Spike (2250068-MS1)				Source:	E212048-	06	Prepared: 1	2/08/22 A	nalyzed: 12/08/22	
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132				
Surrogate: n-Nonane	53.7		50.0		107	50-200				
Matrix Spike Dup (2250068-MSD1)				Source:	E212048-	06	Prepared: 1	2/08/22 A	nalyzed: 12/08/22	
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	4.49	20		
Surrogate: n-Nonane	54.0		50.0		108	50-200				



Souder Miller Associates - Carlsbad		Project Name:		oker Lake 16-2	24-30				Re	ported:
201 S Halagueno St. Carlsbad NM, 88220		Project Number: Project Manager:		7057-0001 eather Woods					12/9/2022	2 12:38:15PM
		Anions	by EPA 3	300.0/9056	1				Analy	st: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2250071-BLK1)							Prepared:	12/08/22	Analyzed:	12/08/22
Chloride	ND	20.0								
LCS (2250071-BS1)							Prepared:	12/08/22	Analyzed:	12/08/22
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2250071-MS1)				Source:	E212047-0)1	Prepared:	12/08/22	Analyzed:	12/09/22
Chloride	1060	200	250	804	101	80-120				
Matrix Spike Dup (2250071-MSD1)				Source:	E212047-0)1	Prepared:	12/08/22	Analyzed:	12/09/22
Chloride	1090	200	250	804	113	80-120	2.87	20		

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

-	Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
-	201 S Halagueno St.	Project Number:	97057-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Heather Woods	12/09/22 12:38

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Phone:

Email:

telqms 2

1334

Report due by:

4/14/2023 11:50:37 AM

City, State, Zip Carl Sload

Sampled

12/6/22

12/4/22 5011

Matrix

501

Bill To

Attention: Enterprise

PO 325484

Address:

Email:

Sample ID

SWE@0-10

SWE@10-20

Containers

City, State, Zip Phone:

EPA Program

CWA | SDWA

State

NM CO UT AZ

Remarks

TX OK

TAT

RCRA

1D/3D

BGDOC - NM

8GDUC - 1X

Lab Use Only

DRO/ORO by 8015 GRO/DRO by 8015

Lab Number

3

BTEX by 8021 VOC. by 8260 Metals 6010

Job Number 97057-001

Chloride 300.0

Analysis and Nethod

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		6	X
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326126125011	NESW@10-20		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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Received by OCD: 1/12/2023 11:00:50 AM

Printed: 12/8/2022 12:32:50PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/08/22	11:15		Work Order ID:	E212048
Phone:	(575) 200-5443	Date Logged In:	12/08/22	08:35		Logged In By:	Caitlin Christian
Email:		Due Date:	12/08/22	17:00 (0 day TAT)			
Chain of	Custody (COC)						
1. Does tl	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,		Comments	s/Resolution
	<u>[urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature. 4	<u>c</u>				
	Container		NI.				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	a trip blank (TB) included for VOC analyses?	i	NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lal							
	field sample labels filled out with the minimum info ample ID?	imation.	Yes				
	Pate/Time Collected?		Yes				
	collectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
•	the sample have more than one phase, i.e., multiphas	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborator	₇₂ 9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	n: no		
		30 WIIO.	1421	Subcontract Lab	э. на		
Client I	<u>nstruction</u>						

Page 23 of 23

Date

Report to:
Heather Woods







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Poker Lake 16-24-30

Work Order: E212085

Job Number: 97057-0001

Received: 12/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/16/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/16/22

Heather Woods 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Poker Lake 16-24-30

Workorder: E212085

Date Received: 12/15/2022 10:30:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/15/2022 10:30:00AM, under the Project Name: Poker Lake 16-24-30.

The analytical test results summarized in this report with the Project Name: Poker Lake 16-24-30 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

T 1 ' 1D

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Γ	Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Demonstral.
l	201 S Halagueno St.	Project Number:	97057-0001	Reported:
1	Carlsbad NM, 88220	Project Manager:	Heather Woods	12/16/22 14:35

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SWE @ 0 - 10	E212085-01A Soil	12/14/22	12/15/22	Glass Jar, 2 oz.



Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/16/2022 2:35:34PM

SWE @ 0 - 10 E212085-01

		E212085-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2251070
Benzene	ND	0.0250	1	12/15/22	12/15/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/15/22	
Toluene	ND	0.0250	1	12/15/22	12/15/22	
o-Xylene	ND	0.0250	1	12/15/22	12/15/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/15/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/15/22	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/15/22	12/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2251070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	12/15/22	12/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2251066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/22	12/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/22	12/15/22	
Surrogate: n-Nonane		109 %	50-200	12/15/22	12/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2251021
Chloride	ND	20.0	1	12/15/22	12/16/22	



Poker Lake 16-24-30 Souder Miller Associates - Carlsbad Project Name: Reported: 201 S Halagueno St. Project Number: 97057-0001 Carlsbad NM, 88220 Project Manager: Heather Woods 12/16/2022 2:35:34PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2251070-BLK1) Prepared: 12/15/22 Analyzed: 12/15/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.81 8.00 97.7 70-130 LCS (2251070-BS1) Prepared: 12/15/22 Analyzed: 12/15/22 4.53 5.00 90.5 70-130 Benzene 0.0250 Ethylbenzene 4.69 0.0250 5.00 93.7 70-130 4.76 0.0250 5.00 95.2 70-130 Toluene 95.9 o-Xylene 4.80 0.0250 5.00 70-130 9.50 10.0 95.0 70-130 0.0500 p.m-Xvlene 95.3 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Source: E212085-01 Matrix Spike (2251070-MS1) Prepared: 12/15/22 Analyzed: 12/15/22 4.34 0.0250 5.00 ND 54-133 Benzene ND 89.8 61-133 Ethylbenzene 4.49 0.0250 5.00 Toluene 4.58 0.0250 5.00 ND 91.6 61-130 ND 92.1 63-131 4.61 5.00 0.0250 o-Xylene p,m-Xylene 9.13 0.0500 10.0 ND 91.3 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.90 8.00 Matrix Spike Dup (2251070-MSD1) Source: E212085-01 Prepared: 12/15/22 Analyzed: 12/15/22 4.62 0.0250 5.00 ND 92.4 54-133 6.22 20 61-133 4.78 0.0250 5.00 ND 95.5 6.14 20 Ethylbenzene 61-130 Toluene 4 85 0.0250 5.00 ND 97.1 5.82 20 4.89 5.00 ND 97.9 63-131 6.08 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

96.9

97.2

98.9

63-131

63-131

70-130

5.96

6.00

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.69

14.6

7.91

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/16/2022 2:35:34PM

Carlsbad NM, 88220		Project Manage	r: He	eather Woods					12/16/2022 2:35:34PM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2251070-BLK1)							Prepared: 1	2/15/22 A	nalyzed: 12/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
LCS (2251070-BS2)							Prepared: 1	2/15/22 A	nalyzed: 12/15/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			
Matrix Spike (2251070-MS2)				Source:	E212085-	01	Prepared: 1	2/15/22 A	nalyzed: 12/15/22
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			
Matrix Spike Dup (2251070-MSD2)				Source:	E212085-	01	Prepared: 1	2/15/22 A	nalyzed: 12/15/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			

Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	Reported:
201 S Halagueno St.	Project Number:	97057-0001	-
Carlsbad NM, 88220	Project Manager:	Heather Woods	12/16/2022 2:35:34PM

Carlsbad NM, 88220		Project Manage	r: He	ather Woods					12/16/2022 2:35:34PM		
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2251066-BLK1)							Prepared: 1	2/15/22 A	Analyzed: 12/15/22		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	54.3		50.0		109	50-200					
LCS (2251066-BS1)							Prepared: 1	2/15/22 A	Analyzed: 12/15/22		
Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132					
Surrogate: n-Nonane	51.2		50.0		102	50-200					
Matrix Spike (2251066-MS1)				Source:	E212077-	08	Prepared: 1	2/15/22 A	Analyzed: 12/15/22		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132					
Surrogate: n-Nonane	52.4		50.0		105	50-200					
Matrix Spike Dup (2251066-MSD1)				Source:	E212077-	08	Prepared: 1	2/15/22 A	Analyzed: 12/15/22		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	1.65	20			
Surrogate: n-Nonane	51.1		50.0		102	50-200					



Chloride

Chloride

Matrix Spike Dup (2251021-MSD1)

QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:	_	oker Lake 16-: 7057-0001	24-30				Reported:
Carlsbad NM, 88220		Project Manager		leather Woods				1:	2/16/2022 2:35:34PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2251021-BLK1)							Prepared: 1	2/13/22 An	alyzed: 12/16/22
Chloride	ND	20.0							
LCS (2251021-BS1)							Prepared: 1	2/13/22 An	alyzed: 12/16/22
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2251021-MS1)				Source:	E212066-	01	Prepared: 1	2/13/22 An	alyzed: 12/16/22

250

250

200

200

621

621

84.0

90.4

Source: E212066-01

80-120

80-120

1.89

Prepared: 12/13/22 Analyzed: 12/16/22

20

831

847

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

-	Souder Miller Associates - Carlsbad	Project Name:	Poker Lake 16-24-30	
-	201 S Halagueno St.	Project Number:	97057-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Heather Woods	12/16/22 14:35

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



ect Info	rmation			18							11 0			TA'	T	EP	A Progra	m
ent: Syl	der	Willy	+ As	300143	Attention:	Enterpris	Q	Lab \	WO#	Lab	Use Or	Numb	er	10 X		RCRA	CWA	SDWA
oject: Po oject Ma dress: (2)	nager: H	Haba	July 1	0 (88)	Address: City, State, Phone:	Zip			П	T	Ana	ysis an	d Netho	od			им со Х	UT AZ
ry, State, none: nail:	Zio (Y)		OL IVIY		Email:	10# Rd 221	3/) HO/ORO by 80 15	GRO/DRO by 8015	y 8021	VOC. by 8260	Chloride 300.0		BGDOC - NM	×L.3		TX OK	
port du	e by:		No	Sample ID			lab Numbe	IO/OHC	GRO/DI	BTEX by 8021	VOC. by 8260	Chlorite		BGDO	¥L ∙ ⊃OODB		Re	marks
Time belgme	Sampled	Matrix	Containers		7 . 10		1							X				
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Additi	onal Insti	uctions:	dto	Heathy	er woo	AS, Savah	me sample location. di	ate or	THE	110	24	Samples	eouring their		atoc must	c bevisos ac	nice the day the	, are sampled sent days
. (fèd sa	mpler), attest	to the validity	and may be Br	Sirius ior regal actioni		rith or intentionally mislabelling the	Date		T	ime					Lab	Use On		
Relinqu	ished by: (Signature)		1145	2/14/22	eceived by: (Signature)		-14-		ime .	5	Rece	ived or	ice:	(V)	N		
Reling	uished by (Signature)	0		TY R	eceived by: (Signature)	et 12	151	22	10: Time	30	T1_			<u>T2</u>		<u>T3</u>	
Reino	uished by:	Signature		Date		eceived by: (Sigrature)	Date						Temp			VO		
l l						ents are made. Hatardous sa boratory is limited to the amo	Co	ntainer	Type	9-5	ass. p -	poly/p	lastic, as	g - ambe	et Erass	, v - VOA		

Printed: 12/15/2022 2:32:39PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	12/15/22	10:30		Work Order ID:	E212085
Phone:	(575) 200-5443	Date Logged In:	12/14/22	16:41		Logged In By:	Caitlin Christian
Email:		Due Date:		17:00 (0 day TAT)		,	
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	h the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS		
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in	the field,	Yes				
	i.e, 15 minute hold time, are not included in this disucssion	1.				Comment	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (Ven				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
	Container						
	queous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La		.•					
	field sample labels filled out with the minimum infor sample ID?	mation:	Yes				
	Date/Time Collected?		Yes				
	Collectors name?		No				
Sample 1	Preservation						
21. Does	the COC or field labels indicate the samples were pre	served?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	e?	No				
	s, does the COC specify which phase(s) is to be analyz		NA				
	ract Laboratory						
	race Eaboratory camples required to get sent to a subcontract laboratory	19	No				
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab	o: na		
Client I	nstruction						

Date

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 175468

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	175468
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2210932844 LINE 16-24-30, thank you. This closure is approved.	4/14/2023