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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

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 of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R. Dunaway Date: 11/2/22

email: rhdunaway@eprod.com Telephone: 575-628-6802

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2224125510
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.

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Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R. Dunaway Date: 11/2/22

email: rhdunaway@eprod.com Telephone: 575-628-6802

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Robert Hamlet Date: 1/12/2023

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

Closure Approved by: Robert Hamlet Date: 1/12/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

November 2, 2022

#5E31002-BG20

NMOCD District 2
811 S. First St.
Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the Line 30137 Pipeline Release, 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 gas gathering activities at the Line 30137 Pipeline Release. The release site is located in Unit Letter O, Section 14, Township 19S, Range 28E, Eddy County, New Mexico, on public land administered by the State of New Mexico Land Trust. 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 Line 30137 Pipeline Release (NAPP2224125510) be closed.

Table 1: Release Information and Closure Criteria			
Name	Line 30137	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.65381, -104.14508
Incident Number	nAPP2224125510	Date Release Discovered	August 28, 2022
Land Status	State (Land Trust)	Reported To	NMOCD District II
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	1.0 bbl Condensate 746 Mcf Natural Gas	Volume Recovered	0 bbl Condensate 0 Mcf Natural Gas
NMOCD Closure Criteria	<50 feet per Table 1 of 19.15.29.12 NMAC		
SMA Response Dates	September 1, 2, and 15, 2022		

2.0 Background

On August 28, 2022, a natural gas and condensate release was discovered at the Line 30137 Pipeline Release site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The initial C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The Line 30137 Pipeline Release site is located approximately 16 miles northeast of Carlsbad, New Mexico on public land administered by the State of New Mexico Land Trust, at an elevation of approximately 3,394 feet above mean sea level (amsl).

Depth to Groundwater and Wellhead Protection Area

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System reported no wells within ½-mile of the site. Water well documentation is included in Appendix B and registered wells are in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is Palmilla Draw, located approximately 3,260 feet to the east. However, there are several small ephemeral drainage features to the west, south and east of the release site; the closest of which is approximately 230 feet to the west.

Closure Criteria

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii which indicate that the site does lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC due to the proximity of the small ephemeral drainages.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet below grade surface (bgs).

4.0 Release Characterization and Remediation Activities

On September 1, 2, and 15, 2022, following pipeline repair and excavation activities, SMA personnel performed excavation guidance and closure confirmation sampling. Copies of sampling notification emails are included in Appendix A.

Composite confirmation samples were collected from the excavation for laboratory analysis 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 motor, diesel, and gasoline range organics (MRO, DRO, and GRO) 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.

Soil samples were field screened for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Field notes are included in Appendix D.

The main remediation excavation measured approximately 34 feet by 22 feet with a depth of 17 feet.

5.0 Recommendations

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 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 nAPP2224125510.

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) 716-2787.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Sarahmay Schlea
Staff Scientist I

Reviewed by:

Heather M. Woods, P.G.
Project Geoscientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 8/25/2022

USGS National Water Information System: Web Interface online water well database
https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format=html; accessed 8/25/2022

ATTACHMENTS:

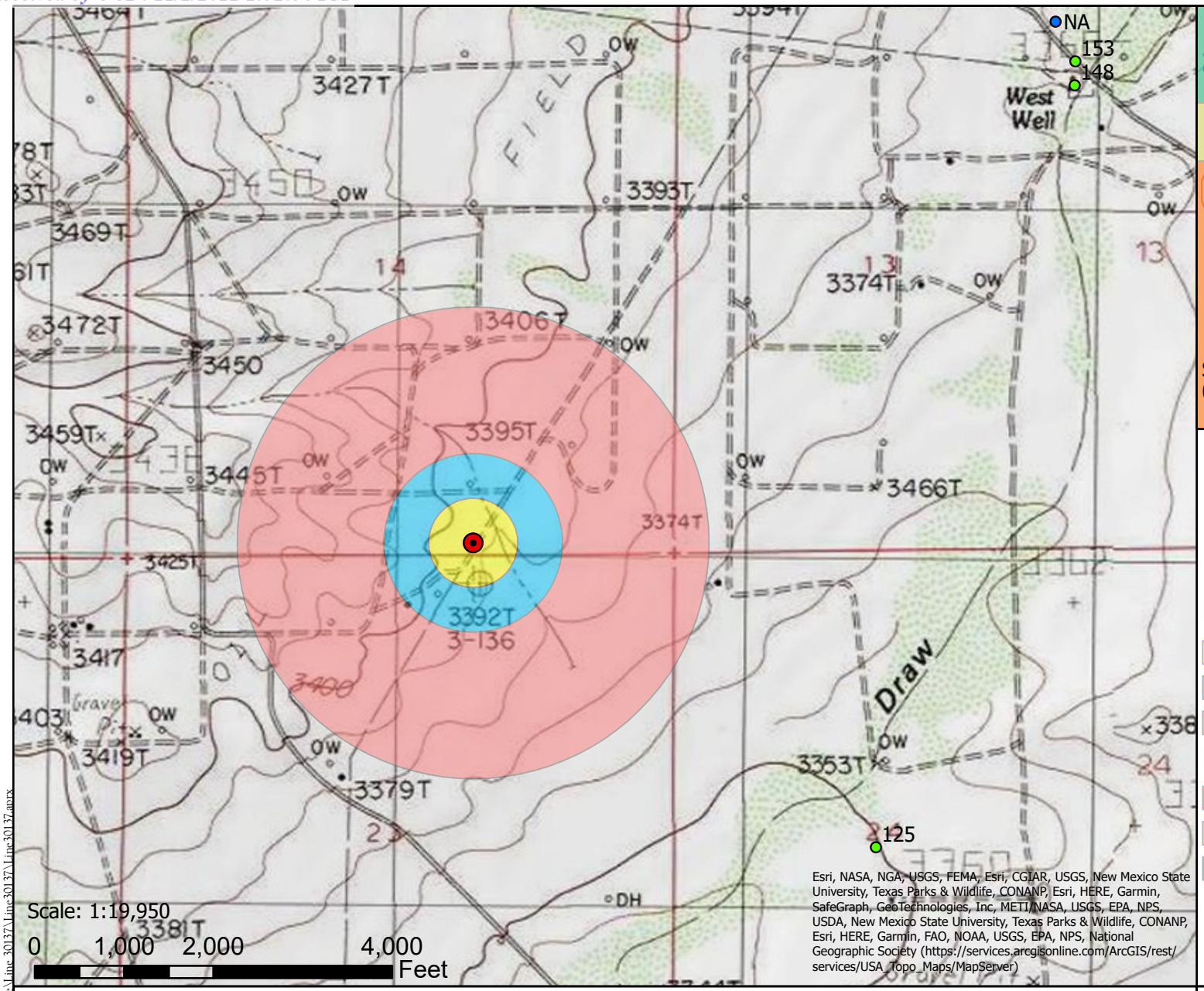
Figures:

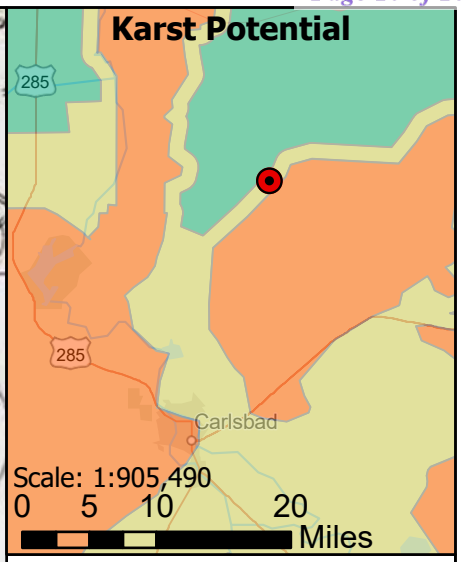
Figure 1: Topographic Site Map
Figure 2: Aerial SIte Map
Figure 3: Site and Sample Location Map

Tables:

Appendices:

FIGURES





Legend

- Point of Release
- 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

N

Point of Release Coordinates:
-104.14508W 32.65381N

Topographic Site Map
Line 30137 Release - Enterprise Field Services, LLC
UL: O S: 14 T: 19S R: 28E, Eddy County, New Mexico

Figure 1

C:\Users\ss\Desktop\GIS\Enterprise\Line 30137\Line30137\Line30137.aprx
Date Saved: 8/31/2022

Revisions
By: Date: Descr:
By: Date: Descr:

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Drawn Sarahmay Schlea
Date 8/31/2022
Checked
Approved

SMA
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Engineering • Environmental
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Legend

- Point of Release
- Streams/Canals/Flowlines
- 0.5 Mile Radius
- 300 Foot Radius

0 1,000 2,000

Feet

Scale: 1:16,625

N

Point of Release Coordinates:
-104.14508W 32.65381N

Aerial Site Map

Line 30137 Release - Enterprise Field Services, LLC

UL: O S: 14 T: 19S R: 28E, Eddy County, New Mexico

Figure 2

C:\Users\ss\Desktop\GIS\Enterprise\Line 30137\Line30137\Line30137.aprx

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By: _____ Date: _____ Descr: _____

By: _____ Date: _____ Descr: _____

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Date 8/31/2022

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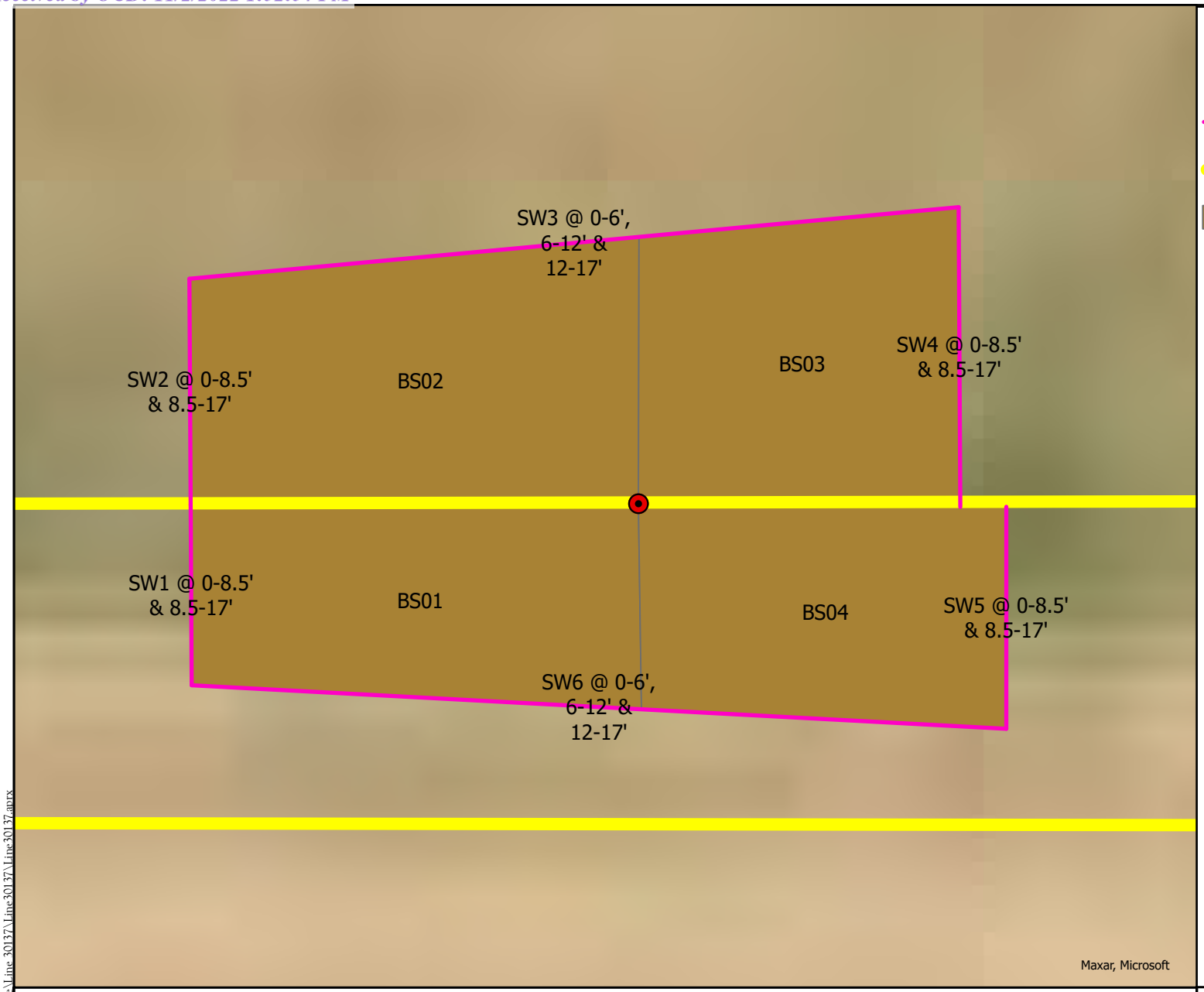

Legend

- Point of Release
- Sidewall Confirmation Samples
- Enterprise Pipelines
- Base Confirmation Sample Locations

N

0 3 6 12

Feet

Scale: 1:74

Point of Release Coordinates:
-104.14508W 32.65381N

Site and Sample Location Map
Line 30137 Release - Enterprise Field Services, LLC
UL: O S: 14 T: 19S R: 28E, Eddy County, New Mexico

Figure 3

C:\Users\ks\Desktop\GIS\Enterprise\Line 30137\Line30137\Line30137.aprx
Date Saved: 10/15/2022

Revisions
By:_____ Date:_____ Descr:_____
By:_____ Date:_____ Descr:_____

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Drawn Sarahmay Schlea
Date 10/25/2022
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TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services, LLC
Line 30137
nAPP2224125510

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	No Data	United States Geological Survey
Hortizontal Distance From All Water Sources Within 1/2 Mile (mi)	>0.5 mi	New Mexico Office of the State Engineer
Hortizontal Distance to Nearest Significant Watercourse (ft)	230	United States Geological Survey Topo Map / Google

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		**Closure Criteria (units in mg/kg)**				
		Chloride *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	Yes	600	100		50	10
<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						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

Table 3:
Summary of Field Screening and Laboratory Analytical Results

Enterprise Field Services
Line 30137
nAPP2224125510

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	EC	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria			--	--	50	10	--	--	--	100	600
Final Excavation Confirmation Closure Samples											
BS01	9/15/2022	17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS02	9/15/2022	17	--	--	**0.177**	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS03	9/15/2022	17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS04	9/15/2022	17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW01	9/15/2022	0 - 8.5	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8.5 - 17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW02	9/15/2022	0 - 8.5	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8.5 - 17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW03	9/15/2022	0 - 6	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6 - 12	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		12 - 17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW04	9/15/2022	0 - 8.5	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8.5-17	--	--	**0.0515**	<0.0250	<20.0	**28.1**	<50.0	**28.1**	<20.0
SW05	9/15/2022	0 - 8.5	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8.5 - 17	--	--	**1.253**	<0.0250	**41.5**	**26.0**	<50.0	**67.5**	<20.0
SW06	9/15/2022	0 - 6	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6 - 12	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		12 - 17	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Excavation Guidance Samples (removed by excavation)											
BS01	9/1/2022	17	381.9	0.04	**84.9**	**2.35**	**659**	**50.8**	<50.0	**710**	<20.0
BS02	9/1/2022	17	2,114	0.06	**0.749**	<0.0250	**55.0**	<25.0	<50.0	**55.0**	<20.0
BS03	9/1/2022	17	2,638	0.06	**2.01**	<0.0250	**75.4**	**49.0**	<50.0	**124**	<20.0
BS04	9/1/2022	17	344.1	0.05	**6.40**	**0.0394**	**108**	<25.0	<50.0	**108**	<20.0
SW01	9/1/2022	0 - 17	374.4	0.05	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW02	9/1/2022	0 - 17	199.3	0.04	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW03	9/1/2022	3	859	0.06	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	9/1/2022	10	309	0.05	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	9/1/2022	17	83.7	0.05	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW04	9/1/2022	4	1,816	0.06	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	9/1/2022	17	774	0.06	**0.25**	**0.0298**	<20.0	<25.0	<50.0	<95.0	<20.0
SW05	9/1/2022	0 - 17	1,215	0.05	**4.58**	**0.215**	**86.2**	<25.0	<50.0	**86.2**	<20.0
SW06	9/1/2022	2	3,620	0.06	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	9/1/2022	8	80.6	0.06	**0.334**	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	9/1/2022	16	1,640	0.04	**4.436**	<0.0250	**83.2**	**89.7**	<50.0	**172.9**	<20.0

Notes:
NMOCD - New Mexico Oil Conservation Division
bgs - below grade surface
VOC - volitile organic compound
PID - photoionization detector
EC - electrical conductivity
ppm - parts per million
mS - milliseimens
mg/kg - milligrams per kilogram
"--" - not analyzed
BTEX - benzene, ethylbenzene, toluene, and xylenes
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbons

APPENDIX A

FORM C-141 AND

CORRESPONDENCE

District I
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State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
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Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2224125510
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhdunaway@eprod.com	Incident # *(assigned by OCD)*	nAPP2224125510
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.65381 Longitude -104.14508
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Line 30137	Site Type Gathering Pipeline
Date Release Discovered 08/28/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	14	19S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
☒ Natural Gas	Volume Released (Mcf) 746	Volume Recovered (Mcf) -0-
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found a leak on a gathering pipeline, cause is to be determined. The gas portion of this release constitutes venting that occurre 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.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Gas release > 500 mscf

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Yes. Robert Dunaway. OCD E-Portal. 8/29/2022. NOR on OCD E-Portal.

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R. Dunaway Date: 8/30/22

email: rhdunaway@eprod.com Telephone: 575-628-6802

OCD Only

Received by: Jocelyn Harimon Date: 08/30/2022

Diameter of hole (inches)	0.025	
Line Pressure at Leak	846	Hourly Bas
Volume of Gas Leaked	**0.54**	0.54

Calculations:

Volume of Gas Leaked (MSCF) = Diameter*Diameter*(Upstream Gauge Pressu

****Reference: Pipeline Rules of Thumb Handbook, 3rd Edition, McAllister. Page**

Footage of Pipe blowndown	13,992	
Initial line pressure	846	
Diameter of Pipe (inches)	12	
Volume of Gas Blown Down	**745.51201**	MSCF

Calculations:

Volume of Gas Blown Down (MSCF) = Volume at pipeline conditions (ft3)*(Gau

/(1000 scf/mscf)*Standard Pressure (14.7psi)*Temperature(F)*Z Factor

Volume at pipeline conditions (scf) = Diameter/12 (ft)*Diameter/12 (ft)*PI/4*Len

****Reference: Gas Pipeline Hydraulics, Menson (2005) Pages 132-134. Assuming**

Released to Imaging: 1/12/2023 2:46:22 PM

Total Gas Loss	**746.05 MSCF**

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	241602
	Action Number: 139228
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/31/2022

Heather Woods

From: Heather Woods
Sent: Tuesday, August 30, 2022 12:34 PM
To: Enviro, OCD, EMNRD
Cc: rhdunaway@eprod.com; Sarahmay Schlea; Georgeann Goodman
Subject: Confirmation Sampling Notification - Enterprise Line 30137 (nAPP2224125510)

Good Afternoon,

Souder, Miller & Associates will be on location Thursday, September 1st 2022, at 8:00am to conduct confirmation sampling at the Enterprise Line 30137 release location (nAPP2224125510) located at 32.65381, -104.14508.

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)
www.soudermiller.com

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Heather Woods

From: Sarahmay Schlea
Sent: Tuesday, September 13, 2022 1:29 PM
To: Enviro, OCD, EMNRD
Cc: rhdunaway@eprod.com; Georgeann Goodman; Heather Woods
Subject: Confirmation Sampling Notification - Enterprise Line 30137 (nAPP2224125510)

Good Afternoon,

Souder, Miller & Associates will be on location Thursday, September 15, 2022, at 7:30am to conduct confirmation sampling at the Enterprise Line 30137 release location (nAPP2224125510) located at 32.65381, -104.14508.

Many Thanks,
Sarahmay Schlea

Sarahmay Schlea
Staff Scientist I
(she/her)

Direct/Mobile: 330-958-5689
Office: 575-449-2758

201 S Halagueno St
Carlsbad, NM 88220

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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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APPENDIX B

WATER WELL DATA

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

No records found.

PLSS Search:

Section(s): 14, 15, 13, 10, 11, 12, 22, 23, 24 **Township:** 19S **Range:** 28E

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

An official website of the United States government
Here's how you know

MENU

19S.28E.24.32233

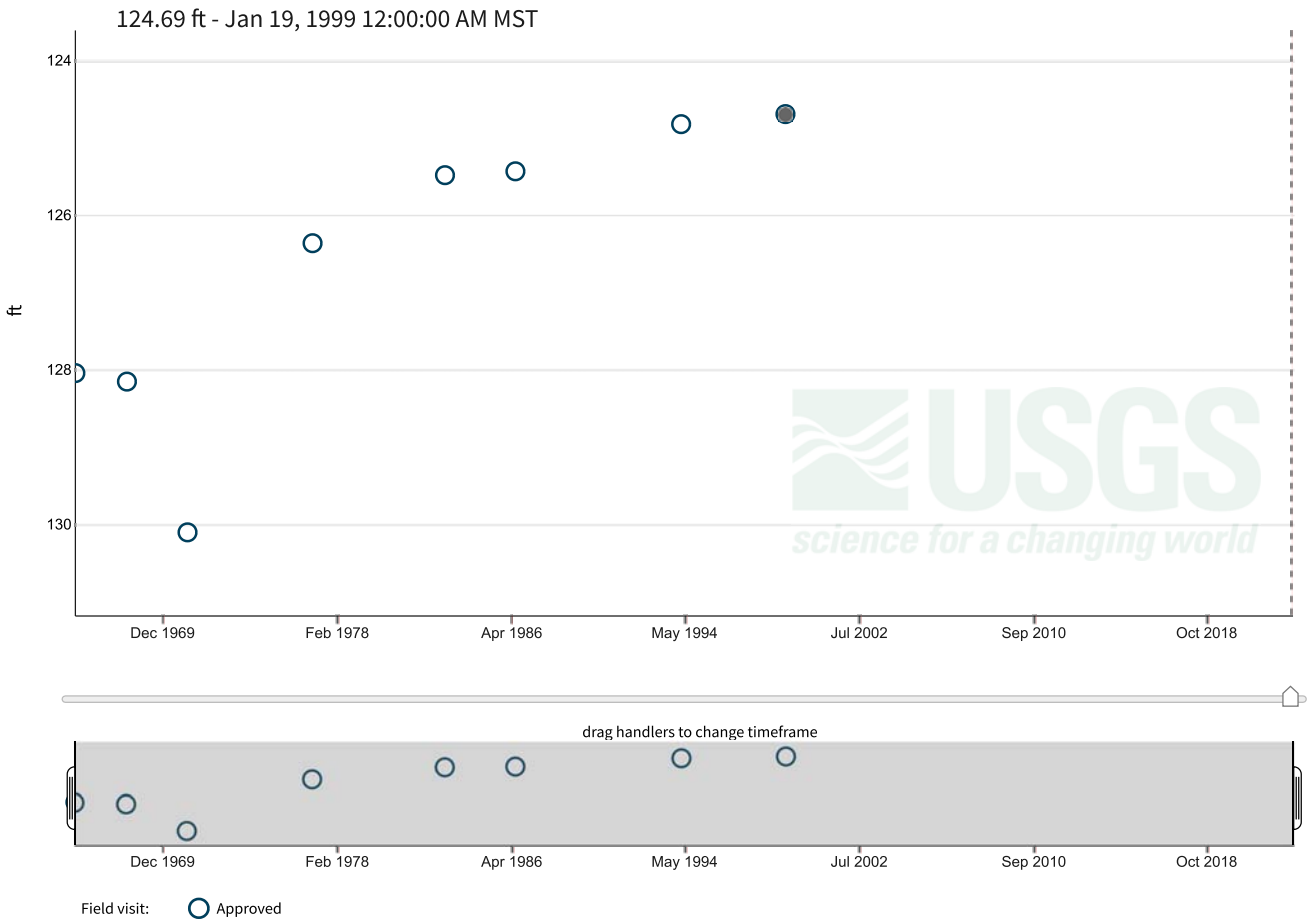
IMPORTANT Inventory Page

Monitoring location 323845104075601 is associated with a WELL in EDDY COUNTY, NEW MEXICO.
Water data back to 1965 are available online.

○ 1 year ○ 10 years
◉ Period of record

Change time span | Retrieve data

Depth to water level, ft below land surface



Questions or Comments

Compare to last year

Display median

IMPORTANT Data may be provisional - learn more

Select data to graph

1965-11-03 to 1999-01-19

Depth to water level, ft below land surface

1965-11-03 to 1999-01-19

Groundwater level above NAVD 1988, ft

1965-11-03 to 1999-01-19

Groundwater level above NGVD 1929, feet

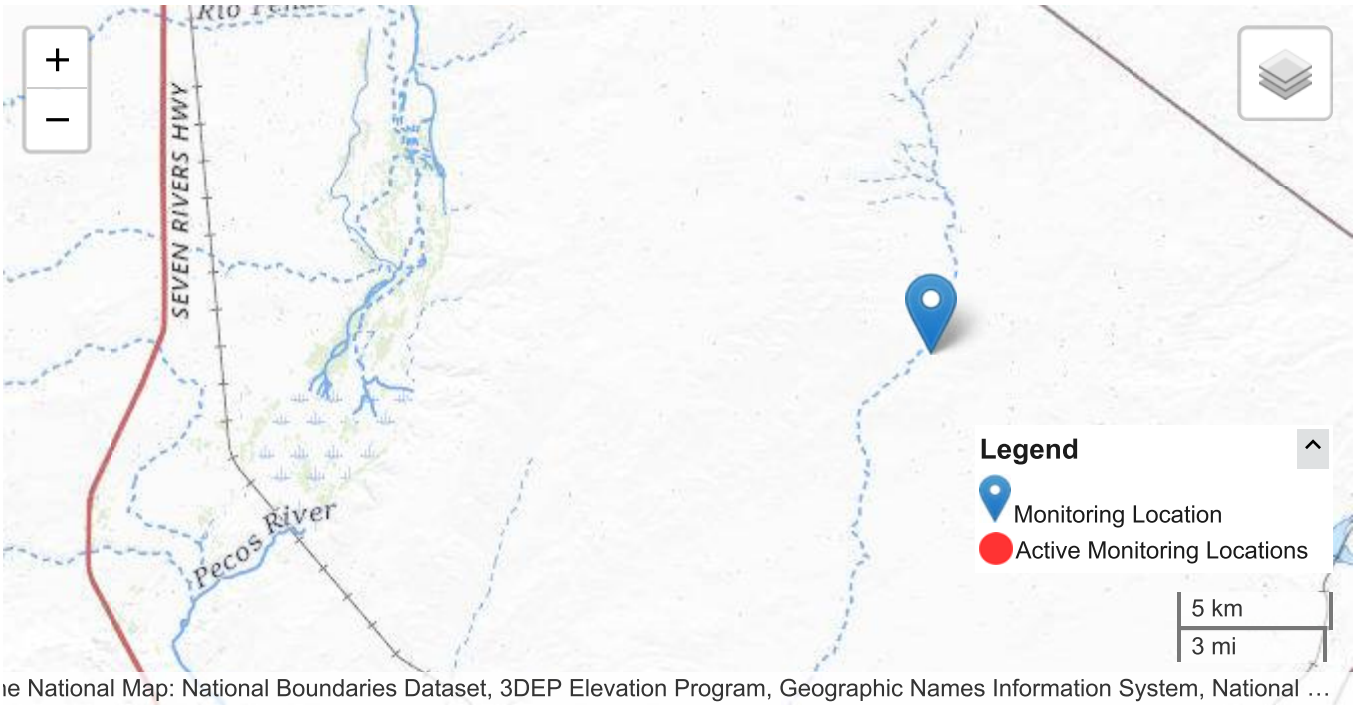
Hydrograph data table(s)

Depth to water level, ft below land surface -- field visit data

Time	Result	Accuracy	Approval	Qualifiers
1999-01-19	124.69	0.01	Approved	Static
1994-03-04	124.82	0.01	Approved	Static
1986-06-03	125.43	0.01	Approved	Static
1983-02-16	125.48	0.01	Approved	Static
1976-12-07	126.36	0.01	Approved	Static
1971-02-01	130.10	0.01	Approved	Above, Pumping
1968-04-02	128.15	0.01	Approved	Static
1965-11-03	128.04	0.01	Approved	Static

Retrieve data

Groundwater Data BETA



Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

Summary of All Available Data

USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1965-11-03	1999-01-19

Water Data for the Nation inventory

Location Metadata

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 Analytical Laboratory in Farmington, New Mexico for analysis. A total of eighteen confirmation and fifteen excavation guidance samples were collected for laboratory analysis 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 field screening 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 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

PHOTO LOG

Page 31 of 103

Field Screening

Location Name: Line 30137 **Date:** September 1, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
BS01 @ 6'	0921			50000+	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02 @ 6'	0927			250.6	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW01 @ 5'	0924			4097	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW02 @ 5'	0928			3560	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW03 @ 5'	0930			50000+	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW04 @ 5'	0935			252.3	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW05 @ 5'	0933			3543	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW06 @ 5'	0926			160.9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW06 @ 6'	0948			87.9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

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Field Screening

Location Name: Line 30137

Date: September 1, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
SW03@6'	0951			1700	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS01@7'	1001			2065	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02@7'	1010			235.7	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02@11'	1017			334	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS01@11'	1025			133	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS01@13'	1030			1881	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02@13	1035			211	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02@16	1045			270	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS01@16	1051	0.06	22.4	205.1	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

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SMA Field Screening

Location Name: Line 30137 **Date:** September 1, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
SW02	1156 NM			792.5	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW01	1235	0.05	22.4	374.4	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW02	1249			549.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS02@17	1252	0.06	22.2	211.4	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS01@17	1307	0.04	22.2	381.9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW02 D	1309	0.04	22.5	199.3	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS03@17	1315	0.06	22.4	263.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
B SW05	1317	0.05	22.5	121.5	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
BS04	1320	0.05	22.2	344.1	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

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Field Screening

Location Name: Line 30137

Date: September 1, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
SW03@17'	1323	0.05	22.2	83.7	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW03@10'	1324	0.05	22.8	309	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW03@3'	1326	0.06	22.4	859	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW04@4'	1327	0.06	22.3	1816	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
SW04@17'	1329	0.06	22.5	774	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

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Field Screening

Location Name: Line 30137 **Date:** September 1, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
SW06@16'	1057	0.04	22.2	1640	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW06@8'	1058	0.06	22.5	80.6	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW06@2'	1059	0.06	22.1	3620	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
BS02 @17'	1108			1312	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW03 @17'	1131			2500	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW03@8'	1132	0.06	22.5	95.2	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW03@3	1133			1652	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW01	1138			288.9	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	
SW02	1141			773.5	Light Dark / Tan Brown / Gray Olive / Yellow Red	Gravel Rock / Sand Silt / Clay	Dry / Moist / Wet	

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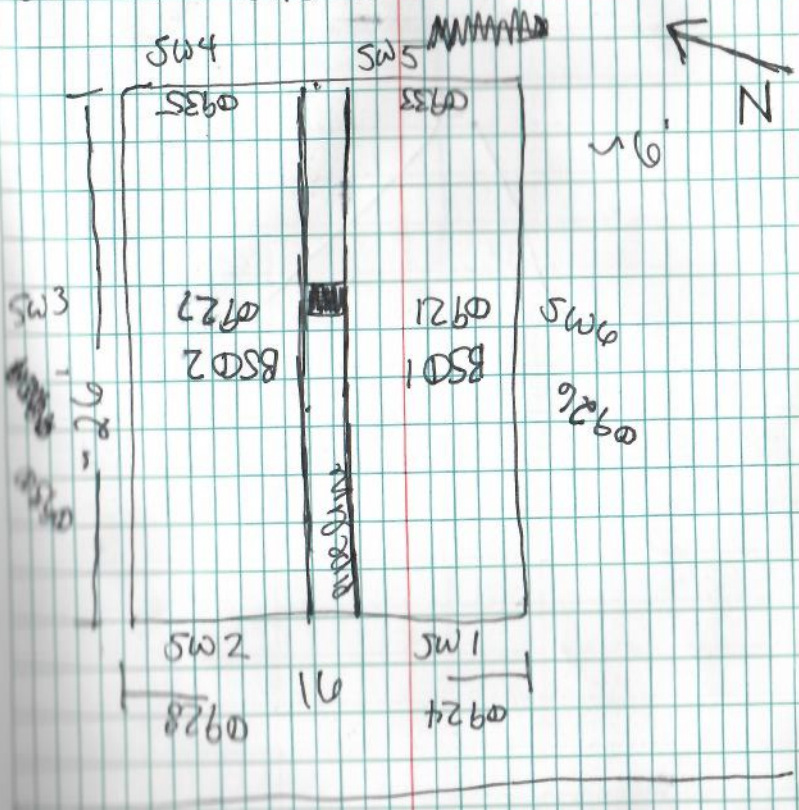
Received by OCD: 11/2/2022 1:52:54 PM

Line 30137 September 1, 2022 55

arrived on site @ 0905



Field Screens:

PID 2.0 11' - 1017 - 334 (PID)

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Birds eye view

Line 30137
pipeline release

North

Top
Bottom
0-8.5
8.5-17

SW4 SW5

BS03 BS04

pipeline

SW3 SW6

BS02 BS01

SW2 SW1

Top
Middle
Bottom

- Top: 0-6
Middle: 6-12
Bottom: 12-17

Top
Bottom

Released to Imaging: 1/12/2023 2:46:22 PM

Photograph Log
Line 30137 Pipeline Release
Enterprise Field Services

Photograph #1	
Client: Enterprise Field Services	
Site Name: Line 30137 Pipeline Release	
Date Photo Taken: September 2, 2022	
Release Location: N32.65381, W104.14508 O-S14-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing southwest, view of confirmation sample SW6, as sampled on September 15, 2022

Photograph Log
Line 30137 Pipeline Release
Enterprise Field Services

Photograph #2	
Client: Enterprise Field Services	
Site Name: Line 30137 Pipeline Release	
Date Photo Taken: September 2, 2022	
Release Location: N32.65381, W104.14508 O-S14-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing west, view of confirmation sample SW1 on the left, SW2 and base BS02 on the right of the pipeline, as sampled on September 15, 2022

Photograph Log
Line 30137 Pipeline Release
Enterprise Field Services

Photograph #3	
Client: Enterprise Field Services	
Site Name: Line 30137 Pipeline Release	
Date Photo Taken: September 2, 2022	
Release Location: N32.65381, W104.14508 O-S14-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing north, view of confirmation sample SW3, as sampled on September 15, 2022

Photograph Log
Line 30137 Pipeline Release
Enterprise Field Services

Photograph #4	
Client: Enterprise Field Services	
Site Name: Line 30137 Pipeline Release	
Date Photo Taken: September 2, 2022	
Release Location: N32.65381, W104.14508 O-S14-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing northeast, view of confirmation sample SW4, with BS03 on the base, as sampled on September 15, 2022

Photograph Log
Line 30137 Pipeline Release
Enterprise Field Services

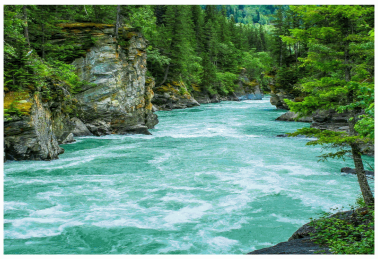
Photograph #5	
Client: Enterprise Field Services	
Site Name: Line 30137 Pipeline Release	
Date Photo Taken: September 2, 2022	
Release Location: N32.65381, W104.14508 O-S14-T19S-R28E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing east, view of confirmation sample SW5 and base samples BS01 and BS04, as sampled on September 15, 2022

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:	Line 30137
Work Order:	E209012
Job Number:	97057-0001
Received:	9/6/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/9/22

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: 9/9/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Line 30137
Workorder: E209012
Date Received: 9/6/2022 8:24:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2022 8:24:00AM, under the Project Name: Line 30137.

The analytical test results summarized in this report with the Project Name: Line 30137 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
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

Table of Contents

Table of Contents (continued)

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/09/22 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS01 @ 17	E209012-01A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
BS02 @ 17	E209012-02A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
BS03 @ 17	E209012-03A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
BS04 @ 17	E209012-04A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW1	E209012-05A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW2	E209012-06A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW3 @ 3	E209012-07A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW3 @ 10	E209012-08A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW3 @ 17	E209012-09A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW4 @ 4	E209012-10A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW4 @ 17	E209012-11A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW5	E209012-12A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW6 @ 2	E209012-13A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW6 @ 8	E209012-14A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
SW6 @ 16	E209012-15A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

BS01 @ 17

E209012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	**2.35**	0.250	10	09/06/22	09/09/22	
Ethylbenzene	**12.3**	0.250	10	09/06/22	09/09/22	
Toluene	**39.8**	0.250	10	09/06/22	09/09/22	
o-Xylene	**6.62**	0.250	10	09/06/22	09/09/22	
p,m-Xylene	**23.8**	0.500	10	09/06/22	09/09/22	
Total Xylenes	**30.4**	0.250	10	09/06/22	09/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*09/06/22*	*09/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**659**	200	10	09/06/22	09/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*09/06/22*	*09/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	**50.8**	25.0	1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/07/22	
Surrogate: n-Nonane		*118 %*	*50-200*	*09/07/22*	*09/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

BS02 @ 17

E209012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/09/22	
Ethylbenzene	**0.147**	0.0250	1	09/06/22	09/09/22	
Toluene	**0.0640**	0.0250	1	09/06/22	09/09/22	
o-Xylene	**0.109**	0.0250	1	09/06/22	09/09/22	
p,m-Xylene	**0.429**	0.0500	1	09/06/22	09/09/22	
Total Xylenes	**0.538**	0.0250	1	09/06/22	09/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*09/06/22*	*09/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**55.0**	20.0	1	09/06/22	09/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*09/06/22*	*09/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/07/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/07/22*	*09/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

BS03 @ 17

E209012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/08/22	
Ethylbenzene	**0.390**	0.0250	1	09/06/22	09/08/22	
Toluene	**0.174**	0.0250	1	09/06/22	09/08/22	
o-Xylene	**0.363**	0.0250	1	09/06/22	09/08/22	
p,m-Xylene	**1.09**	0.0500	1	09/06/22	09/08/22	
Total Xylenes	**1.45**	0.0250	1	09/06/22	09/08/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**75.4**	20.0	1	09/06/22	09/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	**49.0**	25.0	1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/07/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*09/07/22*	*09/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

BS04 @ 17

E209012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	**0.0394**	0.0250	1	09/06/22	09/08/22	
Ethylbenzene	**1.35**	0.0250	1	09/06/22	09/08/22	
Toluene	**0.514**	0.0250	1	09/06/22	09/08/22	
o-Xylene	**1.08**	0.0250	1	09/06/22	09/08/22	
p,m-Xylene	**3.43**	0.0500	1	09/06/22	09/08/22	
Total Xylenes	**4.50**	0.0250	1	09/06/22	09/08/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**108**	20.0	1	09/06/22	09/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/07/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/07/22*	*09/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW1

E209012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*131 %*	*70-130*	*09/06/22*	*09/07/22*	*S3*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/07/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/07/22*	*09/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW2

E209012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*127 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW3 @ 3

E209012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*128 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW3 @ 10

E209012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*129 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW3 @ 17

E209012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*127 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW4 @ 4

E209012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	ND	0.0250	1	09/06/22	09/07/22	
o-Xylene	ND	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/07/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*125 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW4 @ 17

E209012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	**0.0298**	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/07/22	
Toluene	**0.0704**	0.0250	1	09/06/22	09/07/22	
o-Xylene	**0.0398**	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	**0.113**	0.0500	1	09/06/22	09/07/22	
Total Xylenes	**0.152**	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*123 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW5

E209012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	**0.215**	0.0250	1	09/06/22	09/08/22	
Ethylbenzene	**0.631**	0.0250	1	09/06/22	09/08/22	
Toluene	**2.12**	0.0250	1	09/06/22	09/08/22	
o-Xylene	**0.361**	0.0250	1	09/06/22	09/08/22	
p,m-Xylene	**1.25**	0.0500	1	09/06/22	09/08/22	
Total Xylenes	**1.61**	0.0250	1	09/06/22	09/08/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**86.2**	20.0	1	09/06/22	09/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW6 @ 2

E209012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/08/22	
Ethylbenzene	ND	0.0250	1	09/06/22	09/08/22	
Toluene	ND	0.0250	1	09/06/22	09/08/22	
o-Xylene	ND	0.0250	1	09/06/22	09/08/22	
p,m-Xylene	ND	0.0500	1	09/06/22	09/08/22	
Total Xylenes	ND	0.0250	1	09/06/22	09/08/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW6 @ 8

E209012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/07/22	
Ethylbenzene	**0.0571**	0.0250	1	09/06/22	09/07/22	
Toluene	**0.161**	0.0250	1	09/06/22	09/07/22	
o-Xylene	**0.0322**	0.0250	1	09/06/22	09/07/22	
p,m-Xylene	**0.0837**	0.0500	1	09/06/22	09/07/22	
Total Xylenes	**0.116**	0.0250	1	09/06/22	09/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	09/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*120 %*	*70-130*	*09/06/22*	*09/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

SW6 @ 16

E209012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Benzene	ND	0.0250	1	09/06/22	09/08/22	
Ethylbenzene	**0.793**	0.0250	1	09/06/22	09/08/22	
Toluene	**0.0330**	0.0250	1	09/06/22	09/08/22	
o-Xylene	**1.11**	0.0250	1	09/06/22	09/08/22	
p,m-Xylene	**2.51**	0.0500	1	09/06/22	09/08/22	
Total Xylenes	**3.61**	0.0250	1	09/06/22	09/08/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2237010
Gasoline Range Organics (C6-C10)	**83.2**	20.0	1	09/06/22	09/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*09/06/22*	*09/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2237027
Diesel Range Organics (C10-C28)	**89.7**	25.0	1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	09/08/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*09/07/22*	*09/08/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2237008
Chloride	ND	20.0	1	09/06/22	09/06/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2237010-BLK1)									Prepared: 09/06/22 Analyzed: 09/07/22
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	*8.32*		*8.00*		*104*	*70-130*			
LCS (2237010-BS1)									Prepared: 09/06/22 Analyzed: 09/07/22
Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.69	0.0250	5.00		93.7	70-130			
o-Xylene	4.52	0.0250	5.00		90.4	70-130			
p,m-Xylene	8.90	0.0500	10.0		89.0	70-130			
Total Xylenes	13.4	0.0250	15.0		89.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
LCS Dup (2237010-BSD1)									Prepared: 09/06/22 Analyzed: 09/07/22
Benzene	5.00	0.0250	5.00		100	70-130	3.58	20	
Ethylbenzene	4.59	0.0250	5.00		91.8	70-130	4.08	20	
Toluene	4.88	0.0250	5.00		97.6	70-130	4.05	20	
o-Xylene	4.70	0.0250	5.00		94.0	70-130	3.93	20	
p,m-Xylene	9.29	0.0500	10.0		92.9	70-130	4.31	20	
Total Xylenes	14.0	0.0250	15.0		93.3	70-130	4.19	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2237010-BLK1)									Prepared: 09/06/22 Analyzed: 09/07/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.57*		*8.00*		*107*	*70-130*			
LCS (2237010-BS2)									Prepared: 09/06/22 Analyzed: 09/07/22
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.76*		*8.00*		*122*	*70-130*			
LCS Dup (2237010-BSD2)									Prepared: 09/06/22 Analyzed: 09/07/22
Gasoline Range Organics (C6-C10)	58.9	20.0	50.0		118	70-130	2.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.82*		*8.00*		*123*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2237027-BLK1)									Prepared: 09/07/22 Analyzed: 09/07/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
LCS (2237027-BS1)									Prepared: 09/07/22 Analyzed: 09/07/22
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			
Matrix Spike (2237027-MS1)				**Source: E209012-07**					Prepared: 09/07/22 Analyzed: 09/07/22
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.5*	*50-200*			
Matrix Spike Dup (2237027-MSD1)				**Source: E209012-07**					Prepared: 09/07/22 Analyzed: 09/07/22
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	6.53	20	
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/9/2022 3:46:38PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2237008-BLK1)									Prepared: 09/06/22 Analyzed: 09/06/22
Chloride	ND	20.0							
LCS (2237008-BS1)									Prepared: 09/06/22 Analyzed: 09/06/22
Chloride	268	20.0	250		107	90-110			
LCS Dup (2237008-BSD1)									Prepared: 09/06/22 Analyzed: 09/06/22
Chloride	269	20.0	250		107	90-110	0.383	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:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/09/22 15:46

S3	Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
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.

Released to Imaging: 11/2/2023 2:46:22 PM
Received by OCD: 11/2/2022 1:52:54 PM

Chain of Custody

Project Information

Client: Souder Miller & Associates
Project: Line 30137
Project Manager: Heather Woods
Address: 201 S Halagueno
City, State, Zip Carlsbad NM 88220
Phone:
Email:
Report due by:

Bill To
Attention: Enterprise
Address:
City, State, Zip
Phone:
Email:
WO# Rd22121

Lab Use Only
Lab WO# PE209012
Job Number 97057-0001

TAT: 1D X 3D 5D

EPA Program: RCRA | CWA | SDWA

State: NM X | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1307	9/1/22	Soil	1	BS01@17	1							X		
1051	9/1/22	Soil	1	BS01@16								X		
1252	9/1/22	Soil	1	BS02@17	2							X		
1315	9/1/22	Soil	1	BS03@17	3							X		
1320	9/1/22	Soil	1	BS04@17	4							X		
1235	9/1/22	Soil	1	SW1	5							X		
1309	9/1/22	Soil	1	SW2	6							X		
1326	9/1/22	Soil	1	SW3@3	7							X		
1324	9/1/22	Soil	1	SW3@10	8							X		

Additional Instructions:
Please send to Heather Woods, Sarah may Schlea. + Georgeann Goodman

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-1-22	4:35		9/2/22	3:06
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/2/22	4:15		9/6/22	8:24
Relinquished by: (Signature)	Date	Time	Received by: (Sigrature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report

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Page 69 of 103

Released to Imaging: 1/12/2023 2:46:22 PM
Received by OCD: 11/2/2022 1:52:54 PM

Chain of Custody

Project Information

Client:	Souder Miller & Ass.
Project:	Line 30137
Project Manager:	Heather Woods
Address:	201 S Halagueno
City, State, Zip	Carlsbad NM 88220
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Enterprise
Address:	
City, State, Zip	
Phone:	
Email:	

WO# Rd 22121

Lab Use Only

Lab WO#	Job Number
PE209012	97057-0001

TAT: 1D | 3D | 5D — X

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ — X; TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1323	9-1-22	Soil	1	SW3 @ 17	9							X		
1327	9-1-22	Soil	1	SW4 @ 4	10							X		
1329	9-1-22	Soil	1	SW4 @ 17	11							X		
1317	9-1-22	Soil	1	SW5	12							X		
1059	9-1-22	Soil	1	SW6 @ 2	13							X		
1058	9-1-22	Soil	1	SW6 @ 8	14							X		
1057	9/1/22	Soil	1	SW6 @ 16	15							X		

Additional Instructions:
Please Send to Heathers Woods Sarahmay Schlea, + Georgeann Goodman

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

	Date	Time		Date	Time
Relinquished by: (Signature)	9-1-22	4:40	Received by: (Signature)	9-2-22	3:00
Relinquished by: (Signature)	9-2-22	4:15	Received by: (Signature)	9/6/22	8:24
Relinquished by: (Signature)			Received by: (Signature)		

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/6/2022 10:45:06AM

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:	09/06/22 08:24	Work Order ID:	E209012
Phone:	(575) 200-5443	Date Logged In:	09/06/22 09:02	Logged In By:	Caitlin Christian
Email:		Due Date:	09/12/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the 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	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

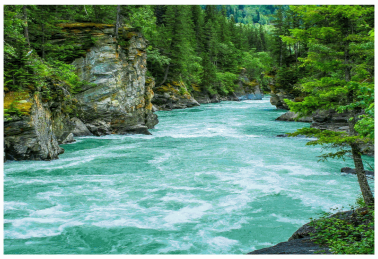
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Heather Woods



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Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	Line 30137
Work Order:	E209117
Job Number:	97057-0001
Received:	9/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/27/22

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.
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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: 9/27/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Line 30137
Workorder: E209117
Date Received: 9/21/2022 10:45:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2022 10:45:00AM, under the Project Name: Line 30137.

The analytical test results summarized in this report with the Project Name: Line 30137 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,

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Table of Contents

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/27/22 16:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS01 @ 17'	E209117-01A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
BS02 @ 17'	E209117-02A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
BS03 @ 17'	E209117-03A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
BS04 @ 17'	E209117-04A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW1 @ 0 - 8.5'	E209117-05A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW1 @ 8.5 - 17'	E209117-06A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW2 @ 0 -8.5'	E209117-07A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW2 @ 8.5 - 17'	E209117-08A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW3 @ 0 - 6'	E209117-09A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW3 @ 6 - 12'	E209117-10A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW3 @ 12 - 17'	E209117-11A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW4 @ 0 - 8.5'	E209117-12A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW4 @ 8.5 - 17'	E209117-13A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW5 @ 0 - 8.5'	E209117-14A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW5 @ 8.5 - 17'	E209117-15A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW6 @ 0 - 6'	E209117-16A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW6 @ 6 -12'	E209117-17A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.
SW6 @ 12 - 17'	E209117-18A	Soil	09/15/22	09/21/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

BS01 @ 17'

E209117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/23/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/21/22*	*09/23/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/21/22*	*09/23/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/23/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/21/22*	*09/23/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/21/22*	*09/23/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/23/22	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*09/23/22*	*09/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

BS02 @ 17'

E209117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	**0.0470**	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	**0.130**	0.0500	1	09/21/22	09/24/22	
Total Xylenes	**0.177**	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/23/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/23/22*	*09/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

BS03 @ 17'

E209117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/23/22	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*09/23/22*	*09/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

BS04 @ 17'

E209117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/23/22	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*09/23/22*	*09/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW1 @ 0 - 8.5'

E209117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/23/22	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*09/23/22*	*09/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW1 @ 8.5 - 17'

E209117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*82.5 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW2 @ 0 -8.5'

E209117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW2 @ 8.5 - 17'

E209117-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW3 @ 0 - 6'

E209117-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW3 @ 6 - 12'

E209117-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW3 @ 12 - 17'

E209117-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW4 @ 0 - 8.5'

E209117-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*80.3 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW4 @ 8.5 - 17'

E209117-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	**0.0515**	0.0500	1	09/21/22	09/24/22	
Total Xylenes	**0.0515**	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	**28.1**	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW5 @ 0 - 8.5'

E209117-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW5 @ 8.5 - 17'

E209117-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	**0.241**	0.0250	1	09/21/22	09/24/22	
Toluene	**0.365**	0.0250	1	09/21/22	09/24/22	
o-Xylene	**0.160**	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	**0.487**	0.0500	1	09/21/22	09/24/22	
Total Xylenes	**0.647**	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	**41.5**	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	**26.0**	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*94.1 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW6 @ 0 - 6'

E209117-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*89.4 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW6 @ 6 -12'

E209117-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

SW6 @ 12 - 17'

E209117-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Benzene	ND	0.0250	1	09/21/22	09/24/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/24/22	
Toluene	ND	0.0250	1	09/21/22	09/24/22	
o-Xylene	ND	0.0250	1	09/21/22	09/24/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/24/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/24/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*09/21/22*	*09/24/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/21/22*	*09/24/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239106
Chloride	ND	20.0	1	09/23/22	09/23/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239068-BLK1)									Prepared: 09/21/22 Analyzed: 09/23/22
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: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.7*	*70-130*			
LCS (2239068-BS1)									Prepared: 09/21/22 Analyzed: 09/23/22
Benzene	2.21	0.0250	2.50		88.4	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.1	70-130			
Toluene	2.19	0.0250	2.50		87.5	70-130			
o-Xylene	2.37	0.0250	2.50		94.6	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Total Xylenes	6.92	0.0250	7.50		92.3	70-130			
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.460*		*0.500*		*92.0*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2239068-MS1)				**Source: E209117-02**					Prepared: 09/21/22 Analyzed: 09/23/22
Benzene	2.20	0.0250	2.50	ND	87.9	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.49	0.0250	2.50	ND	99.6	48-130			
o-Xylene	2.66	0.0250	2.50	0.0470	104	43-135			
p,m-Xylene	5.41	0.0500	5.00	0.130	106	43-135			
Total Xylenes	8.06	0.0250	7.50	0.177	105	43-135			
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2239068-MSD1)				**Source: E209117-02**					Prepared: 09/21/22 Analyzed: 09/23/22
Benzene	2.22	0.0250	2.50	ND	88.8	48-131	0.996	23	
Ethylbenzene	2.67	0.0250	2.50	ND	107	45-135	4.58	27	
Toluene	2.42	0.0250	2.50	ND	96.9	48-130	2.67	24	
o-Xylene	2.74	0.0250	2.50	0.0470	108	43-135	2.82	27	
p,m-Xylene	5.63	0.0500	5.00	0.130	110	43-135	4.02	27	
Total Xylenes	8.36	0.0250	7.50	0.177	109	43-135	3.62	27	
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*91.0*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239068-BLK1)									Prepared: 09/21/22 Analyzed: 09/23/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.7*	*70-130*			
LCS (2239068-BS2)									Prepared: 09/21/22 Analyzed: 09/23/22
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.0	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike (2239068-MS2)				**Source: E209117-02**					Prepared: 09/21/22 Analyzed: 09/23/22
Gasoline Range Organics (C6-C10)	88.2	20.0	50.0	ND	176	70-130			M6
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2239068-MSD2)				**Source: E209117-02**					Prepared: 09/21/22 Analyzed: 09/23/22
Gasoline Range Organics (C6-C10)	91.2	20.0	50.0	ND	182	70-130	3.29	20	M6
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.438*		*0.500*		*87.5*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239093-BLK1)									Prepared: 09/23/22 Analyzed: 09/23/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.6*	*50-200*			
LCS (2239093-BS1)									Prepared: 09/23/22 Analyzed: 09/23/22
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.7*	*50-200*			
Matrix Spike (2239093-MS1)				**Source: E209117-13**					Prepared: 09/23/22 Analyzed: 09/23/22
Diesel Range Organics (C10-C28)	304	25.0	250	28.1	110	38-132			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2239093-MSD1)				**Source: E209117-13**					Prepared: 09/23/22 Analyzed: 09/23/22
Diesel Range Organics (C10-C28)	322	25.0	250	28.1	117	38-132	5.63	20	
Surrogate: n-Nonane	*44.6*		*50.0*		*89.1*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Line 30137	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/27/2022 4:01:13PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239106-BLK1)									Prepared: 09/23/22 Analyzed: 09/23/22
Chloride	ND	20.0							
LCS (2239106-BS1)									Prepared: 09/23/22 Analyzed: 09/23/22
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2239106-MS1)				**Source: E209117-01**					Prepared: 09/23/22 Analyzed: 09/23/22
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2239106-MSD1)				**Source: E209117-01**					Prepared: 09/23/22 Analyzed: 09/23/22
Chloride	256	20.0	250	ND	102	80-120	2.17	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:	Line 30137	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/27/22 16:01

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
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.

Released to Imaging: 1/12/2023 2:46:22 PM
Received by OCD: 11/2/2022 1:52:54 PM

Project Information

Chain of Custody

E209117 97057-0001 5 day

Client:	Souder Miller & Associates
Project:	Line 30137
Project Manager:	Heather Woods
Address:	201 S Halagueno St
City, State, Zip	Carlsbad, NM 88220
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Enterprise
Address:	
City, State, Zip	
Phone:	
Email:	
	PO 325484

Lab Use Only CC

Lab WO#	Job Number	TAT 1D	TAT 3D	EPA Program RCRA	CWA	SDWA
~~E97~~ cc	209117					

State: NM X | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - Tx			Remarks
1039	9/15/22	Soil	1	BS01 @17'	1									X				
1044	9/15/22	Soil	1	BS02 @17'	2									X				
1034	9/15/22	Soil	1	BS03 @17'	3									X				
1036	9/15/22	Soil	1	BS04 @17'	4									X				
1009	9/15/22	Soil	1	SW1 @ 0-8.5'	5									X				
1006	9/15/22	Soil	1	SW1 @ 8.5-17'	6									X				
	9/15/22	Soil	1	SW2 @ 0-8.5'	7									X				
0959	9/15/22	Soil	1	SW2 @ 8.5-17'	8									X				
1030	9/15/22	Soil	1	SW3 @ 0-6'	9									X				
1028	9/15/22	Soil	1	SW3 @ 6-12'	10									X				

Additional Instructions: please send to Sarahmay Schlea, Georgeann Goodman & Heather Woods

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sarahmay Schlea

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/16/22	1740		9-20-22	3:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-20-22	4:15		9/21/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 1/12/2023 2:46:22 PM
Received by OCD: 11/2/2022 1:52:54 PM

Chain of Custody

STD 5 day

Project Information

Client: Souder Miller & Associates
Project: Line 30137
Project Manager: Heather Woods
Address: 2201 S Halagueno St
City, State, Zip Carlsbad, NM 88220
Phone:
Email:
Report due by:

Bill To
Attention: Enterprise
Address:
City, State, Zip
Phone:
Email:
PO 325484

Lab Use Only
Lab WO# PE209117
Job Number 97057-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM (X) | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1026	9/15/22	Soil	1	SW3 @ 12-17'	11									X				
1024	9/15/22	Soil	1	SW4 @ 0-8.5'	12									X				
1020	9/15/22	Soil	1	SW4 @ 8.5-17'	13									X				
1017	9/15/22	Soil	1	SW5 @ 0-8.5'	14									X				
1014	9/15/22	Soil	1	SW5 @ 8.5-17	15									X				
1013	9/15/22	Soil	1	SW6 @ 0-6'	16									X				
1012	9/15/22	Soil	1	SW6 @ 6-12'	17									X				
1010	9/15/22	Soil	1	SW6 @ 12-17'	18									X				
					~~19~~													
					~~7~~	QC												

Additional Instructions:
Please send to Sarahmay Schlea, Georgeann Goodman & Heather Woods

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sarahmay Schlea

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/16/22	1740		9-20-22	3:00
	9-20-22	4:15		9/21/22	10:45

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 9/21/2022 12:14:46PM

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:	09/21/22 10:45	Work Order ID:	E209117
Phone:	(575) 200-5443	Date Logged In:	09/21/22 08:54	Logged In By:	Caitlin Christian
Email:		Due Date:	09/27/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the 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	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

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

Date

envirotech Inc.

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

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

CONDITIONS

Action 155708

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 155708
	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 #NAPP2224125510 LINE 30137, thank you. This closure is approved.	1/12/2023