

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

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:  Date: 02/22/23  
email: rhunaway@eprod.com Telephone: 575-628-6802

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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Form C-141  
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Incident ID	NAPP2227852472
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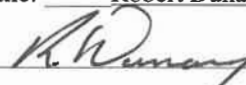
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Printed Name: Robert Dunaway Title: Senior Environmental Engineer  
Signature:  Date: 02/22/23  
email: rhodunaway@eprod.com Telephone: 575-628-6802

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**OCD Only**

Received by: Robert Hamlet Date: 6/23/2023

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: 6/23/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced





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

February 16, 2023

#5E31002-BG26

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

SUBJECT: Remediation Closure Report for the B-6 Pipeline Release (nAPP2227852472), 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 B-6 Pipeline Release (nAPP2227852472). The release site is located in Unit C, Section 09, Township 21S, Range 27E, Eddy County, New Mexico, on public land administered by the Bureau of Land Management (BLM). Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

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

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

**SMA recommends no further action and requests that the release associated with the B-6 Line Pipeline Release (nAPP2227852472) be closed.**

**Table 1: Release Information and Closure Criteria**

Name	B-6 Pipeline Release	Company	Enterprise Field Services LLC
Incident Number	nAPP2227852472	Location	32.49932, -104.197278
Date Release Discovered	October 5, 2022	Land Status	Federal (BLM)
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	2.0 bbl Condensate 481 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	January 4, 12, and 25, 2023		

## B-6 Pipeline Release Closure Report February 16, 2023

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### **2.0 Background**

On October 5, 2022, a natural gas and condensate release was discovered at the B-6 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. A copy of the initial C-141 form is included in Appendix A.

### **3.0 Site Information and Closure Criteria**

The B-6 Pipeline Release site is located approximately three miles northeast of Carlsbad, New Mexico on public land administered by the BLM at an elevation of approximately 3,220 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 a ½-mile of the site (Appendix B).

#### **Distance to Nearest Significant Watercourse**

The site is located within an unnamed ephemeral wash which leads to Alkali Lake approximately 4,150 feet to the northeast, however this portion of the wash has not developed a defined bed or bank.

#### **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.

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 system (bgs).

### **4.0 Release Characterization and Remediation Activities**

Following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling on January 4, 2023.

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 chloride using an electrical conductivity (EC) meter and 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.

Laboratory analytical results indicated sample areas in exceedance of the NMOCD Closure Criteria. Following additional excavation of these areas, supplemental confirmation samples were collected on January 12, 2023. A test pit was advanced in an undisturbed area to the northwest of the excavation to obtain background samples for to demonstrate the presence and concentration of natural chloride.

**B-6 Pipeline Release Closure Report**  
**February 16, 2023**

Page 3 of 4

Based on laboratory analytical results, additional excavation was performed, and confirmation sampling completed on January 25, 2023. Results for these samples demonstrated that NMOCD Closure Criteria for benzene, total BTEX, and total TPH was met for all final excavation confirmation samples, but exceedances for chloride were present in the eastern base samples and lower east and south walls.

Findings were presented to NMOCD personnel during an online conference call on February 1, 2023, during which NMOCD personnel agreed that the NMOCD Closure Criteria exceedances for chloride may be the result of natural chloride present in the insitu soils. Enterprise agreed to place a liner at approximately six feet bgs within the excavation footprint during backfill operations. The final remediation excavation measured approximately 39 feet by 26 feet with depths ranging from 20 to 27 feet.

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

**5.0 Recommendations**

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria except for chloride. Concurrence was sought and obtained from NMOCD personnel that residual chloride concentrations present in the east bases and lower east and south sidewalls may be naturally occurring. Protection of the upper four feet of remedial area was ensured by the placement of a 20-mil liner at 6 feet bgs within the excavation footprint. With this exception, 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 nAPP2227852472.

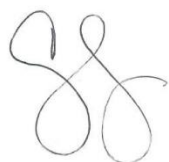
**6.0 Scope and Limitations**

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

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

Submitted by:  
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Georgeann Goodman  
Environmental Tech II



Heather M. Woods, P.G.  
Senior Geoscientist

**B-6 Pipeline Release Closure Report**  
**February 16, 2023**

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**REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database  
[https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 2/9/2023

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](https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format=html); accessed 2/9/2023

**ATTACHMENTS:**

**Figures:**

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

**Tables:**

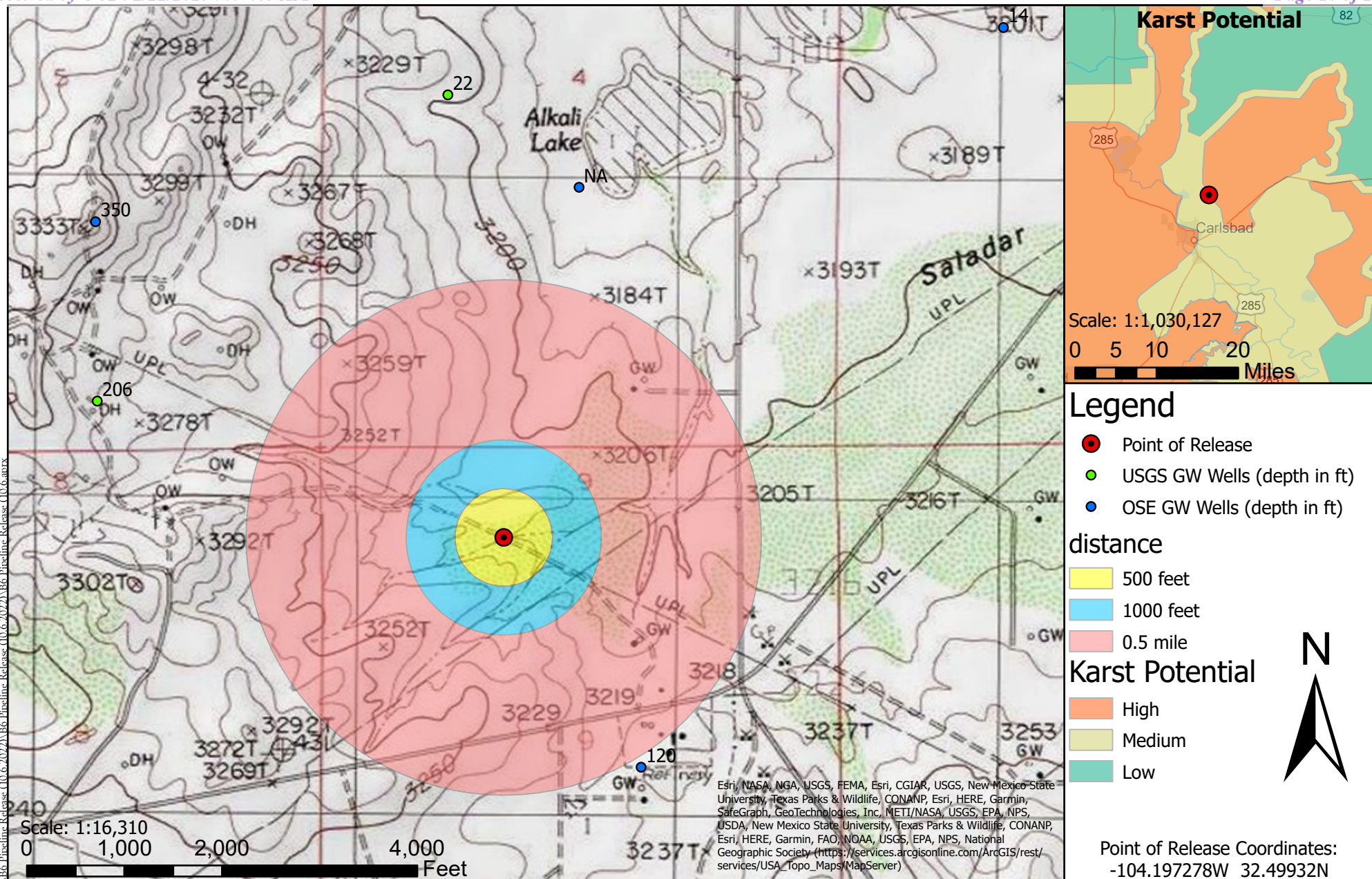
Table 2: NMOCD Closure Criteria  
Table 3: Summary of Laboratory Analytical Results

**Appendices:**

Appendix A: Form C-141 and Correspondence  
Appendix B: Water Well Data  
Appendix C: Sampling Protocol  
Appendix D: Field Notes and Photo Log  
Appendix E: Laboratory Analytical Reports

# FIGURES





## Topographic Site Map

Line B6 Pipeline Release - Enterprise Field Services, LLC

UL: C S: 09 T: 21S R: 27E, Eddy County, New Mexico

Figure 1

## Revisions

By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

Drawn

Sarahmay Schlea

Date

11/3/2022

Checked

Approved

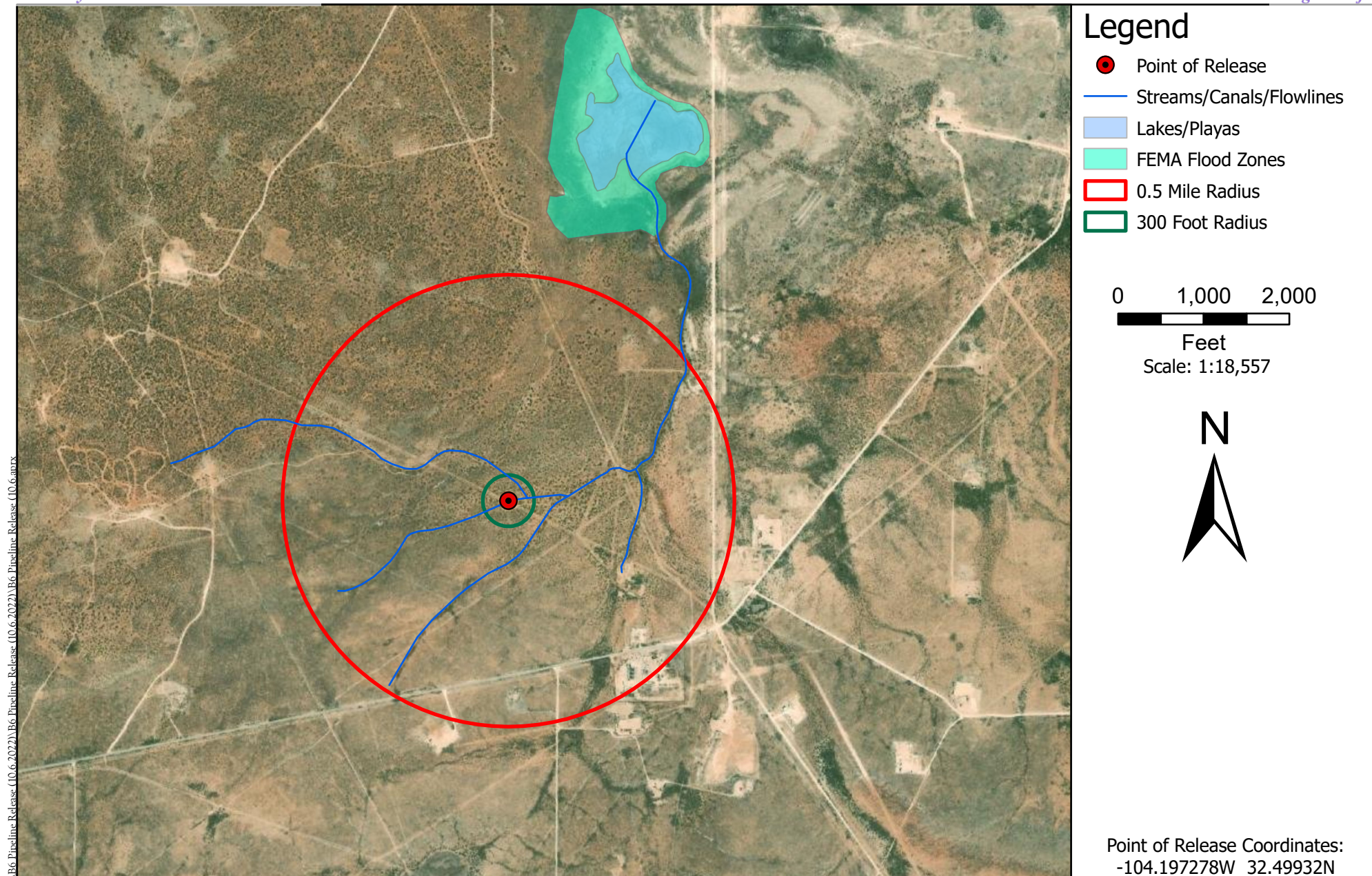


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*Aerial Site Map*  
*Line B6 Pipeline Release - Enterprise Field Services, LLC*  
*UL: C S: 09 T: 21S R: 27E, Eddy County, New Mexico*

*Figure 2*

Revisions

By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_  
 By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

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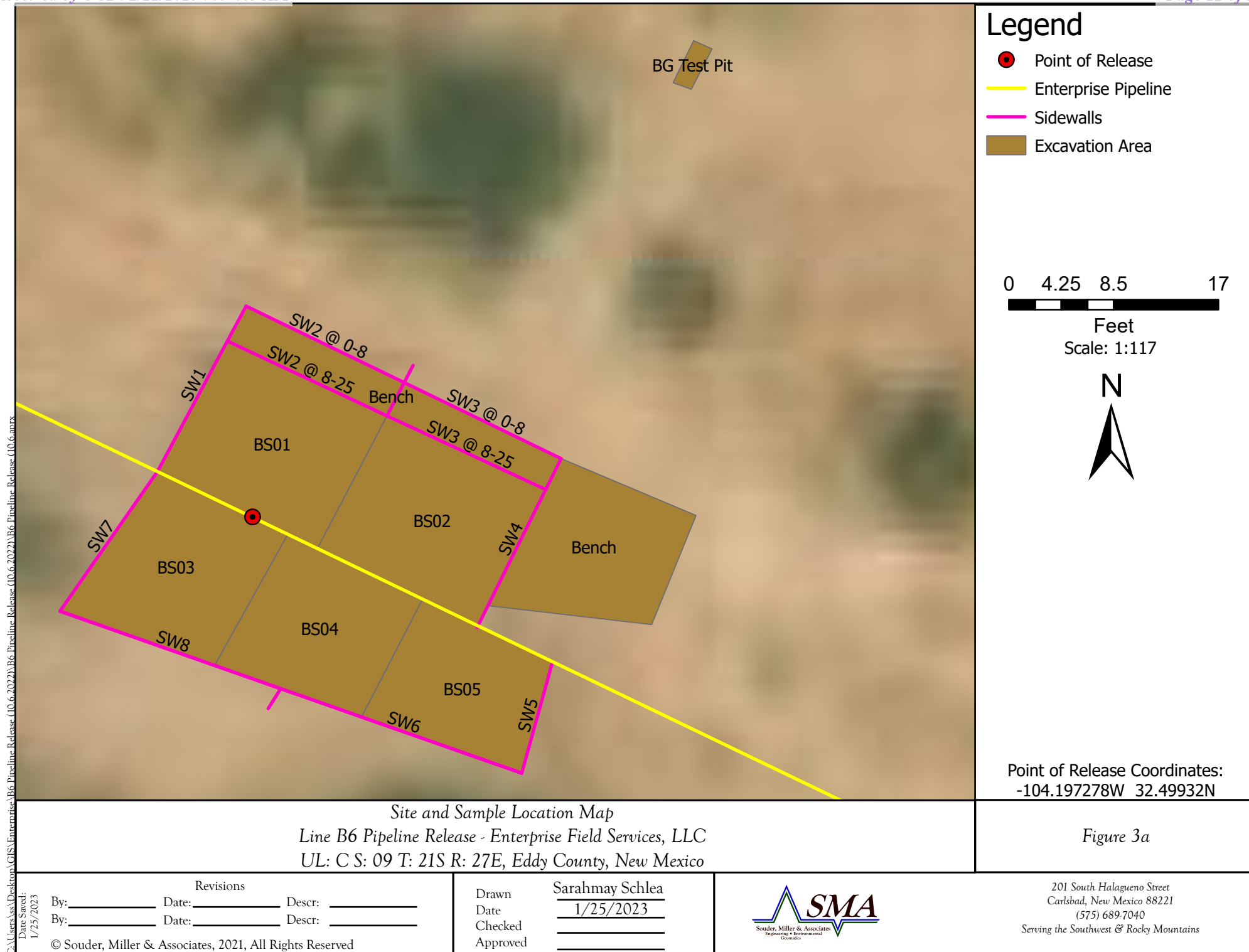
Drawn  
 Date  
 Checked  
 Approved

Sarahmay Schlea  
 11/2/2022  
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# TABLES

Table 2:  
NMOCD Closure Criteria

Enterprise Field Services  
B-6 Line Release  
nAPP2227852742

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	No Data	NMOSE and USGS Water Well Data
Horizontal Distance From All Water Sources Within 1/2 Mile	>0.5mi	NMOSE and USGS Water Well Data
Horizontal Distance to Nearest Significant Watercourse	0	USGS 7.5-minute Quadrangle Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride <sup>*numerical</sup> 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?	yes					
within a 100-year floodplain?	no					



Table 3: Summary of  
Laboratory Analytical ResultsEnterprise Field Services  
B-6 Pipeline Release

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
Excavation Confirmation Samples									
BS01	1/12/2023	25	0.303	<0.0250	21.1	<25.0	<50.0	21.1	208
BS02	1/25/2023	27	0.540	0.0485	<20.0	<25.0	<50.0	<95.0	1,400
BS03	1/4/2023	20	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	559
BS04	1/25/2023	21	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	578
BS05	1/25/2023	21	<0.100	<0.250	<20.0	<25.0	<50.0	<95.0	1,270
SW1	1/4/2023	0-8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8-16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.4
		16-24	1.52	<0.0250	24.2	<25.0	<50.0	24.2	374
SW2	1/4/2023	0-8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8-16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	30.7
		16-24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	219
SW3	1/4/2023	0-8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8-16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	31.8
	1/12/2023	16-25	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	537
SW4	1/4/2023	0-8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		8-16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.7
	1/25/2023	16-25	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	820
SW5	1/12/2023	0-6.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.3
		6.5-13	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
	1/25/2023	14-21	<0.100	<0.250	<20.0	<25.0	<50.0	<95.0	1,640
SW6	1/12/2023	0-6.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	274
		6.5-13	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	454
	1/25/2023	14-21	<0.100	<0.250	<20.0	<25.0	<50.0	<95.0	962
SW7	1/12/2023	0-6.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6.5-13	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		13-20	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	275
SW8	1/25/2023	0-7	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		7-14	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	137
		14-21	<0.100	<0.250	<20.0	<25.0	<50.0	<95.0	671
BG	1/12/2023	0	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	61.8
		4	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	465
		6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	428
		8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	491
		10	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	640



Table 3: Summary of  
Laboratory Analytical ResultsEnterprise Field Services  
B-6 Pipeline Release

Sample Areas Removed by Excavation									
BS01	1/4/2023	24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,300</b>
BS02	1/4/2023	24	<b>0.391</b>	<b>0.0406</b>	<20.0	<25.0	<50.0	<95.0	<b>1,020</b>
	1/12/2023	25	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,360</b>
BS04	1/4/2023	20	<b>0.039</b>	<b>0.0390</b>	<20.0	<25.0	<50.0	<95.0	<b>1,480</b>
	1/12/2023	20	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,080</b>
SW3	1/4/2023	16-24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,340</b>
SW4	1/4/2023	16-24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>840</b>
	1/12/2023	16-25	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>887</b>
SW5	1/4/2023	0-6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>43.6</b>
		6-12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,100</b>
	1/12/2023	13-20	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,330</b>
SW6	1/4/2023	0-6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>93.8</b>
		6-12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>790</b>
	1/12/2023	13-20	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,320</b>
SW7	1/4/2023	0-6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6-12	<b>21.9</b>	<b>0.0610</b>	<b>426</b>	<25.0	<50.0	<b>426</b>	<b>518</b>

Notes: NMOCD - New Mexico Oil Conservation Division  
 BTEX - benzene, toluene, ethylbenzene, and xylenes  
 GRO - gasoline range organics  
 DRO - diesel range organics  
 MRO - motor oil range organics  
 TPH - total petroleum hydrocarbons  
 bgs - below grade surface  
 mg/kg - milligram per kilogram  
 "--" not applicable or not analyzed



# APPENDIX A

## FORM C-141 AND

## CORRESPONDENCE

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

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

Incident ID	NAPP2227852472
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	rhunaway@eprod.com	Incident # (assigned by OCD)	nAPP2227852472
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude 32.49932 Longitude -104.197278  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	B-6 Line Leak	Site Type	Gathering Pipeline
Date Release Discovered	API# (if applicable)		

Unit Letter	Section	Township	Range	County
C	09	21S	27E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 2	Volume Recovered (bbls) -0-
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 481	Volume Recovered (Mcf) -0-
<input type="checkbox"/> 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 occurs 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	NAPP2227852472
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Facility ID	
Application ID	

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?

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

### 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: 

Date: 10/10/22

email: rdunaway@eprod.com

Telephone: 575-628-6802

#### OCD Only

Received by: Jocelyn Harimon

Date: 10/10/2022

Release Type	Leak	22.87	Mscf
PSV Flowrate (scfm)		0.00	lbs VOC
Hole Length (in)	0.13	0.00	lbs H2S
Hole Width (in)	0.13		
Hole Diameter (in)	0.13	BLOWDOWN RELEASE TOTAL	
Pressure (psi <i>gauge</i> )	812	457.95	Mscf
Flared		0.00	lbs VOC
Cg	14	0.00	lbs NOx
<u>Blowdown Inputs</u>		0.00	lbs H2S
Pipe Length (ft)	20,134	0.00	lbs CO
Diameter (in)	8	0.00	lbs SO2
Pressure (psi)	812		
Flared		EVENT TOTAL (LEAK & BLOWDOWN)	
Is blowdown Part of release	Yes	480.82	Mscf
<u>Atmospheric Input</u>		0.00	lbs VOC
<u>Released to Imaging: 6/23/2023 9:32:22 AM</u>		0.00	lbs H2S

**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 149733

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 149733
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	10/12/2022

**Heather Woods**

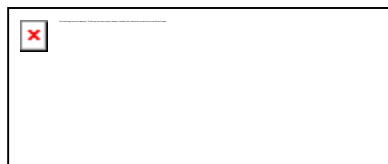
---

**From:** Sarahmay Schlea  
**Sent:** Monday, January 2, 2023 11:54 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** Heather Woods; rhdunaway@eprod.com; Georgeann Goodman  
**Subject:** 48-hr Notification of Confirmation Sampling at Enterprise B-6 Line Leak (nAPP2227852472)

Good morning,

Souder Miller and Associates will be on-site to conduct confirmation sampling at the Enterprise B-6 Line Leak (nAPP2227852472) located at 32.499100, -104.297295 on Wednesday January 4th beginning at 10:00am.

Thanks a bunch,  
Sarahmay Schlea



**Stronger Communities by Design**



[www.soudermiller.com](http://www.soudermiller.com)

**Sarahmay Schlea**

*Staff Scientist I*

*(she/her)*

Direct/Mobile: 330-958-5689

Office: 575-449-2758

201 S Halagueno St  
Carlsbad, NM 88220

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

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**Heather Woods**

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**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Tuesday, January 10, 2023 8:07 AM  
**To:** Heather Woods  
**Cc:** Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Confirmation Sampling Notification - Enterprise B-6 Line Leak (nAPP2227852472)

Heather,

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

JH

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



---

**From:** Heather Woods <Heather.Woods@soudermiller.com>  
**Sent:** Monday, January 9, 2023 5:35 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** rhdunaway@eprod.com; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>  
**Subject:** [EXTERNAL] Confirmation Sampling Notification - Enterprise B-6 Line Leak (nAPP2227852472)

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

Good Evening,

Souder, Miller & Associates will be onsite to collect confirmation samples at the Enterprise B-6 Line Leak (nAPP2227852472) located at 32.499100,-104.297295 on Thursday, January 12, beginning at 9:30 am.

Many Thanks,  
Heather

Heather Woods, P.G.  
Project Geoscientist

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



**Souder, Miller & Associates**

Engineering ♦ Environmental ♦ Geomatics

401 West Broadway

Farmington, NM 87401

(505) 716-2787 (mobile)

(505) 325-7535 (office)

[Heather.Woods@soudermiller.com](mailto:Heather.Woods@soudermiller.com)

[www.soudermiller.com](http://www.soudermiller.com)



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**Heather Woods**

---

**From:** Sarahmay Schlea  
**Sent:** Monday, January 23, 2023 8:19 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** rhdunaway@eprod.com; Heather Woods; Georgeann Goodman  
**Subject:** Confirmation Sampling Notification - Enterprise B-6 Line Leak (nAPP2227852472)

Good Morning

Souder, Miller & Associates will be onsite to collect confirmation samples at the Enterprise B-6 Line Leak (nAPP2227852472) located at 32.499100,-104.297295 on Wednesday, January 25, beginning at 8:30 am.

Thanks a bunch,  
Sarahmay



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[www.soudermiller.com](http://www.soudermiller.com)

**Sarahmay Schlea**

*Staff Scientist II  
(she/her)*

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

201 S Halagueno St  
Carlsbad, NM 88220

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

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**Heather Woods**

---

**From:** Dunaway, Robert <rhodunaway@eprod.com>  
**Sent:** Thursday, December 29, 2022 2:12 PM  
**To:** Heather Woods  
**Subject:** [EXTERNAL]FW: (Extension Approval) nAPP2228450506, nAPP2227852472

**Robert Dunaway**

Senior Environmental Engineer

W: 575-628-6802

C: 361-815-0990

rhodunaway@eprod.com

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Thursday, December 29, 2022 2:02 PM  
**To:** Dunaway, Robert <rhodunaway@eprod.com>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Subject:** [EXTERNAL] (Extension Approval) nAPP2228450506, nAPP2227852472

[Use caution with links/attachments]

RE: Incident #NAPP2228450506, NAPP2227852472

**Robert,**

Your request for an extension to **February 7th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Thursday, December 29, 2022 9:05 AM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] 30 Day Extension Requests, nAPP2228450506, nAPP2227852472

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



---

**From:** Dunaway, Robert <[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)>  
**Sent:** Thursday, December 29, 2022 7:21 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] 30 Day Extension Requests, nAPP2228450506, nAPP2227852472

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Good morning.

Enterprise would like to request 30 day extension requests for the following incidents:

nAPP2228450506 (OHB to OGO), Extension to 2/7/23  
nAPP2227852472 (B-6 Line), Extension to 2/2/23

A combination of holidays, COVID, and scheduling contractors created an unavoidable issue with completing the remediation within 90 days. Enterprise is at the final sampling and reporting stage of these projects.

Please let me know if you have any questions.



**Robert Dunaway**  
Senior Environmental Engineer  
W: 575-628-6802  
C: 361-815-0990  
[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)

---

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**Heather Woods**

---

**From:** Dunaway, Robert <rhodunaway@eprod.com>  
**Sent:** Tuesday, January 24, 2023 11:30 AM  
**To:** Heather Woods  
**Subject:** [EXTERNAL]FW: Extension Approval - B-6 Line Remediation Project (nAPP2227852472)

**Robert Dunaway**

Senior Environmental Engineer

W: 575-628-6802

C: 361-815-0990

rhodunaway@eprod.com

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Tuesday, January 24, 2023 11:30 AM  
**To:** Dunaway, Robert <rhodunaway@eprod.com>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Extension Approval - B-6 Line Remediation Project (nAPP2227852472)

[Use caution with links/attachments]

RE: Incident #NAPP2227852472

**Robert,**

Your request for an extension to **May 7th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Tuesday, January 24, 2023 10:11 AM  
**To:** Dunaway, Robert <[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)>

**Cc:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>

**Subject:** RE: [EXTERNAL] Extension Request, B-6 Line Remediation Project (nAPP2227852472)

---

**From:** Dunaway, Robert <[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)>

**Sent:** Tuesday, January 24, 2023 9:57 AM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Subject:** [EXTERNAL] Extension Request, B-6 Line Remediation Project (nAPP2227852472)

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

Enterprise Field Services would like to request a 90 day extension to 5/7/2023 for the B-6 Line Remediation Project (nAPP2227852472). Remediation for TPH/BTEX is complete, but Enterprise is having issues with chlorides levels above the NMOCD cleanup standards. This is taking additional excavation efforts and creating digging issues due to the depth of the excavation.



**Robert Dunaway**

Senior Environmental Engineer

W: 575-628-6802

C: 361-815-0990

[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)

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# APPENDIX B

## WATER WELL DATA



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 00370</a>	C	CUB	ED	4	4	15	21S	27E		577874	3593350*			
<a href="#">C 01142</a>	C		ED	3	1	4	03	21S	27E	577358	3596873*	100		
<a href="#">C 01330</a>	C		ED	3	3	3	09	21S	27E	574941	3594849*	92	80	12
<a href="#">C 01333</a>	C		ED	1	1	4	05	21S	27E	574128	3597045*	400	350	50
<a href="#">C 01339</a>	CUB		ED	1	4	09	21S	27E		575842	3595353*	425	120	305
<a href="#">C 02482</a>	C		ED	3	4	08	21S	27E		574236	3594942*	287	185	102
<a href="#">C 02907</a>	C		ED	3	2	1	03	21S	27E	576959	3597669*	52	14	38
<a href="#">C 03690 POD1</a>	C		ED	4	1	4	10	21S	27E	577482	3595179	200		
<a href="#">C 03958 POD1</a>	C		ED	4	2	1	17	21S	27E	573852	3594378	126	95	31
<a href="#">C 04425 POD13</a>	CUB		ED	3	1	1	04	21S	27E	575059	3598259	33		
<a href="#">C 04425 POD14</a>	CUB		ED	3	1	1	04	21S	27E	575013	3598241	37		
<a href="#">C 04425 POD15</a>	CUB		ED	3	1	1	04	21S	27E	574951	3598180	47		
<a href="#">C 04425 POD16</a>	CUB		ED	3	1	1	04	21S	27E	574954	3598094	51		
<a href="#">C 04425 POD17</a>	CUB		ED	4	1	1	04	21S	27E	575054	3598173	38		
<a href="#">C 04425 POD18</a>	CUB		ED	3	1	1	04	21S	27E	575011	3598207	38		
<a href="#">C 04505 POD1</a>	C		ED	4	2	2	05	21S	27E	574808	3598305	95	50	45
<a href="#">C 04659 POD1</a>	CUB		ED	1	3	1	04	21S	27E	575038	3598040	40	36	4
<a href="#">C 04659 POD2</a>	CUB		ED	3	1	1	04	21S	27E	574920	3598099	47	45	2

Average Depth to Water: **108 feet**

Minimum Depth: **14 feet**

Maximum Depth: **350 feet**

Record Count: 18

PLSS Search:

Section(s): 5, 4, 3, 8, 9, 10, Township: 21S Range: 27E  
17, 16, 15

\*UTM location was derived from PLSS - see Help

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

11/3/22 10:06 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



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[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 323011104123701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 323011104123701 21S.27E.05.43332

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'11", Longitude 104°12'37" NAD27

Land-surface elevation 3,285 feet above NAVD88

The depth of the well is 290 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Capitan Limestone (313CPTN) local aquifer.

#### Output formats

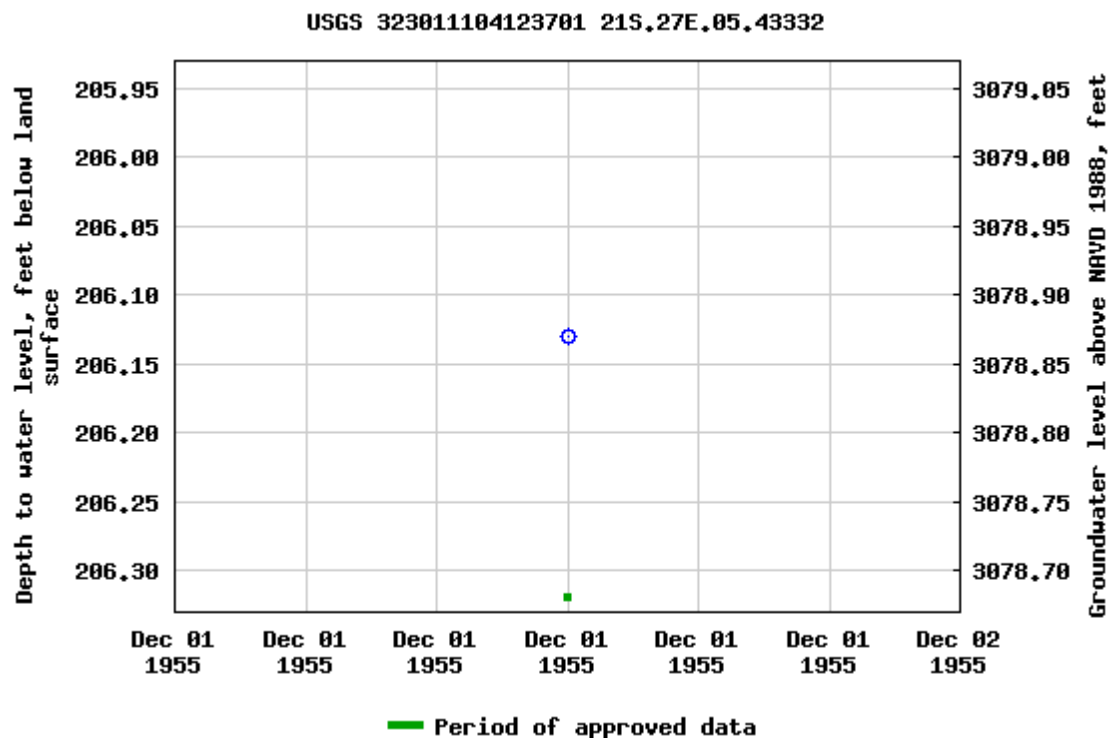
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)





Breaks in the plot represent a gap of at least one year between field measurements.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-02-09 15:52:39 EST

0.56 0.49 nadww01



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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Groundwater levels for the Nation



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## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 323042104115501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 323042104115501 21S.27E.04.13200

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'42", Longitude 104°11'55" NAD27

Land-surface elevation 3,204 feet above NAVD88

The depth of the well is 40 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

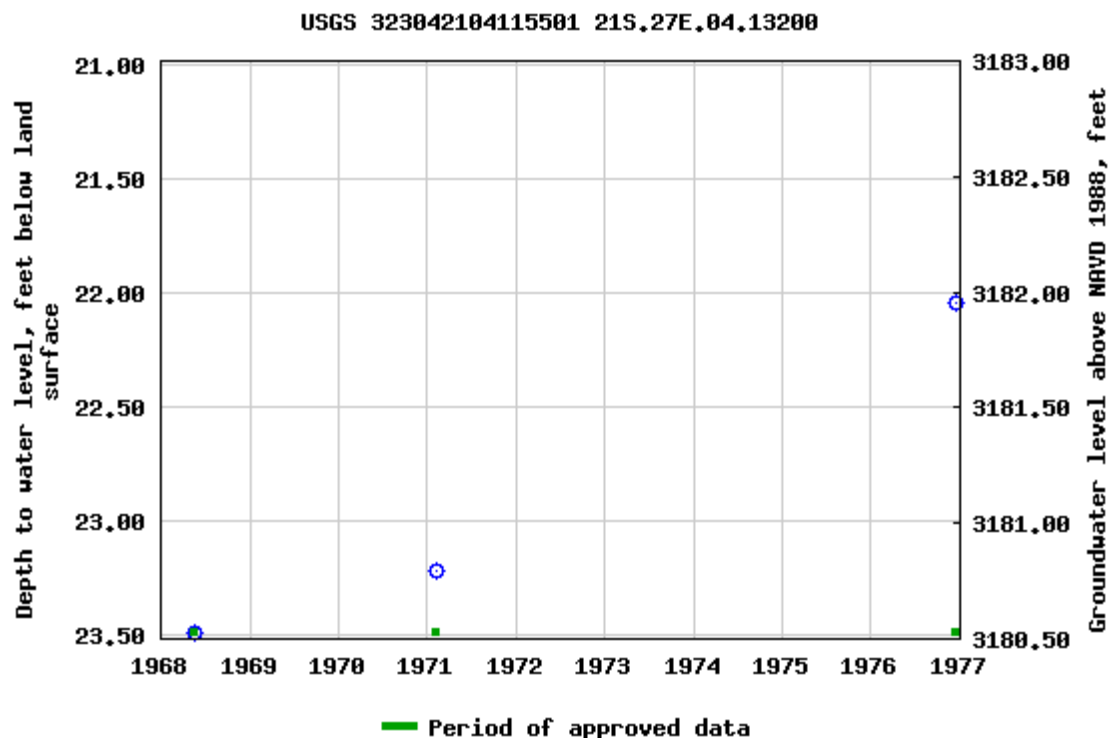
### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-02-09 15:50:29 EST

0.59 0.49 nadww01

# APPENDIX C

## SAMPLING PROTOCOL



## Sampling Protocol

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

## Sampling Analysis Field Quality Assurance Procedures

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

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

# APPENDIX D FIELD NOTES AND PHOTO LOG



## FIELD SCREENING

LOCATION NAME: B-6					SAMPLING DATE: Jan 4 23	
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
SW1 0'-8'	1517	1517				BS01 1328 389
SW1 8'-16'	1315	3.2				BS02 1330 209
SW1 16'-24'	1510	>5000				BS03 1420 2034
SW2 0'-8'	1505	4.1				BS04 1425 829
SW2 8'-16'	1502	8.3				
SW2 16'-24'	1500	249				
SW3 0'-8'	1331	14.9				
SW3 8'-16'	1333	28.4				
SW3 16'-24'	1336	121				
SW4 0'-8'	1340	5.7				
SW4 8'-16'	1342	29				
SW4 16'-24'	1345	73				
SW5 0'-6'	1430	13				
SW5 6'-12'	1428	21				
SW6 0'-6'	1450	13				
SW6 6'-12'	1448	7.1				
SW7 0'-6'	1452	5.2				
SW7 6'-12'	1455	4161				

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

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

moisture level: dry, moist, wet

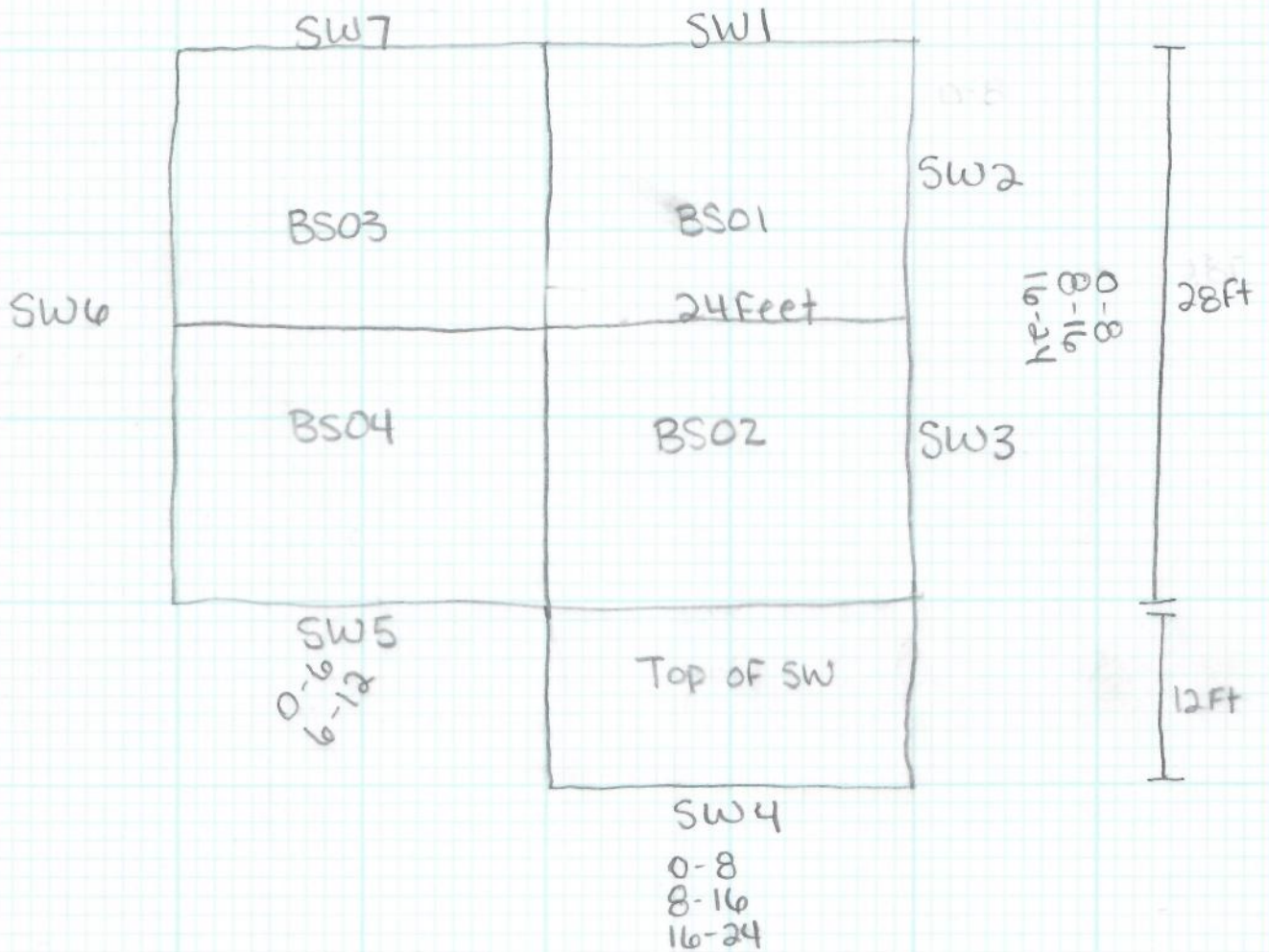
20 rows/sheet



Terracon

PROJECT: 32.294940, -103.863101 Page \_\_\_\_ of \_\_\_\_

JOB NO. \_\_\_\_ Date \_\_\_\_ Comp. By \_\_\_\_ CHECKED BY: \_\_\_\_





SMA arrived onsite @ ~ 0920

SWA arrived onsite @ ~0920  
NMR and Enterprise arrived onsite @ ~0935  
Samples @ SW3, SW4, SW5.

SIMA arrived onsite @ ~09:35  
NMR and Enterprise arrived onsite @ ~09:35  
we need to collect samples @ Sw3, Sw4, Sw5, Sw6 + Sw7 all @ the bottom  
and BS01, BS02, BS04, all tested for Chlorides

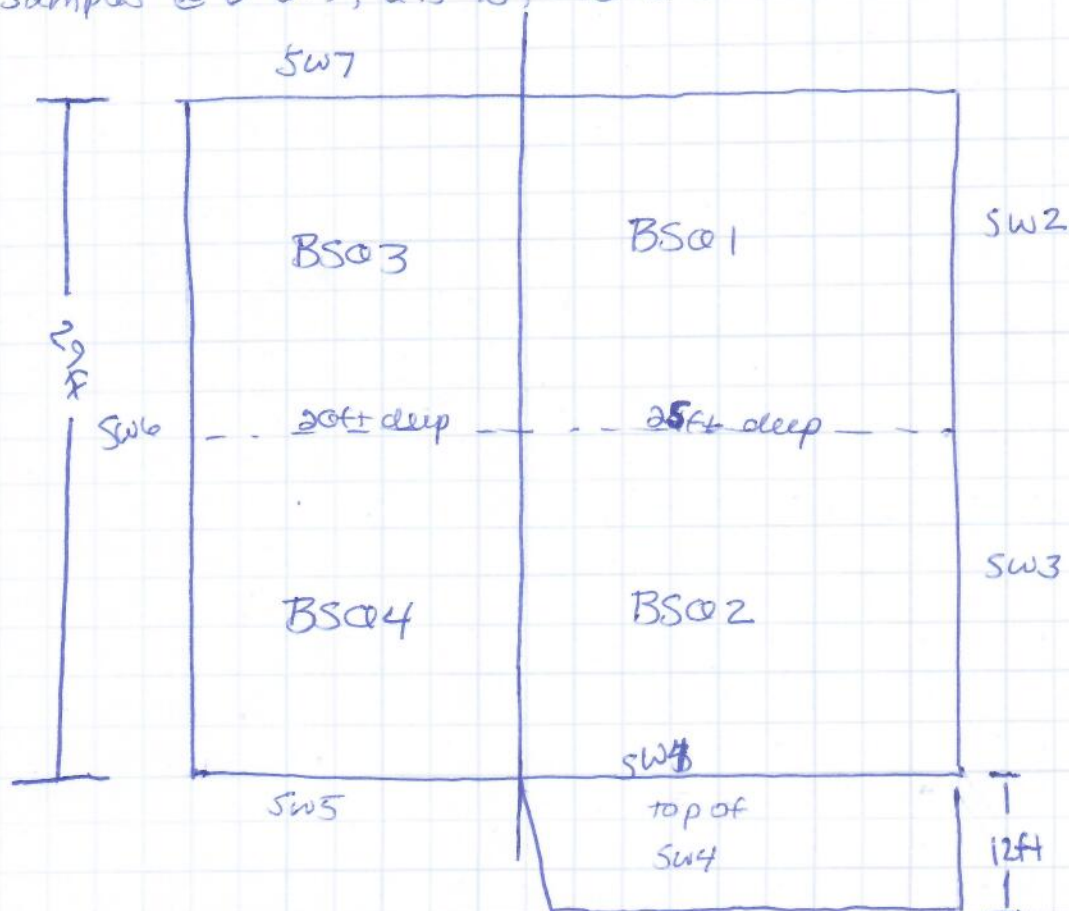
weather 45°F, sunny, NNW wind @ Lemph

work began @ 0950

@ ~ 1000 we realized our demineralized water spilled in the bed of the truck, which seriously messes up our plans. We plan on going back to the office @ somepoint to get more water.

→ @ 1140 we made the decision to go back to the office to get more water so the guys could take a lunch break.

due to a depth measuring area of B503 and B504, we will have to resample SW5, SW6 + SW7. These sidewalls will get three new samples @ 0-6.5, 6.5-13, + 13-20.



**SOUDER, MILLER & ASSOCIATES**

SUBJECT Confirmation SamplingPROJECT B-6CLIENT EnterpriseDATE 1/12/2023BY Sarahmang Schua

CHECKED

BY

SAMPLE ID	TIME	PID	EC	TEMP(°C)
SW6 @ 13-20	1108	326.9	1.33	19.1
SW6 @ 6.5-13	1110	96.9	0.49	19.7
SW6 @ 0-6.5	1111	155.8	0.15	18.4
BS04 @ 20	1113	79.1	1.08	18.0
SW5 @ 13-20	1131	17.4	1.64	18.0
SW5 @ 6.5-13	1132	49.3	0.83	18.1
SW5 @ 0-6.5	1133	11.6	0.16	18.4
SW6 @ 13-20	1250	56.3	1.44	18.9
SW6 @ 0-6.5	1251	22.2	0.27	17.2
SW5 @ 13-20	1252	42.2	1.55	18.7
SW5 @ 6.5-13	1253	16.4	0.11	18.1
S. Test Pit @ 0	1259	2.6	0.68	18.1
BS02 @ 25	1312	126.7	0.95	16.1
BS01 @ 25	1314	2015	0.26	18.0
SW4 @ 16-25	1317	37.8	1.01	17.3
SW3 @ 16-25	1319	7.8	0.82	20.2
SW7 @ 0-6.5	1325	7.9	0.07	17.8
BG @ 0	1335	7.9	0.07	17.7
BG @ 2	<del>1338</del>	67.7	0.15	17.7
BG @ 4	1341	41.8	0.56	17.9
BG @ 6	1345	12.4	0.48	17.9
BG @ 8	1348	33.8	0.47	17.6
BG @ 10	1352	79.0	0.80	17.9
SW7 @ 13-20	1321	2952	0.59	18.9
SW7 @ 6.5-13	1323	567.8	0.12	17.2
SW7 @ 13-20	1442	337.9	0.29	18.3
SW7 @ 6.5-13	1443	7.2	0.07	17.7





## FIELD SCREENING

LOCATION NAME: Enterprise B-G Pipeline					SAMPLING DATE: January 25, 2023	
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
SW5@14-21	1126	82.6	0.94	5.8		
BSS04@21	1127	120.8	0.29	6.1		
BSS05@21	1128	112.7	0.62	6.3		
SW5@14-21	1156	530.7	1.09	8.6		
SW6@14-21	1157	11.4	0.46	6.6		
SW3@14-21	1201	93.8	0.54	6.8		
SW3@7-14	1202	407.5	0.07	6.6		
SW3@0-7	1203	119.5	0.04	6.2		
SW5@14-21	1205	145.4	0.58	6.7		
SW4@16-25	1251	12.7	0.65	8.0		
BSS02@24	1317	5000+				
BSS02@27	1340	1351	0.71	8.7		

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

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

moisture level: dry, moist, wet

20 rows/sheet

**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #1	An aerial photograph showing a large, deep excavation pit in a dry, brown landscape. A yellow Hyundai excavator is positioned on the left side of the pit, and a yellow JCB telehandler is on the right. The pit is surrounded by orange safety fencing. The excavator's arm is extended towards the center of the pit. The JCB is partially visible in the bottom right corner.
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 4, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Erin Berry	Description: Facing northwest, view of the main excavation area.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #2	A high-angle drone photograph of a large, rectangular excavation pit. The pit is filled with dark, loose soil. A yellow excavator is positioned at the top edge of the pit, facing left. Orange safety fencing is strung around the perimeter of the excavation. The surrounding ground is dry and brownish-yellow.
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 4, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Erin Berry	Description: Drone photo facing down with north to the left, view of the excavation area.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #3	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 12, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing south-southeast, view of the test pit for collection of background samples.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #4	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 12, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing east-southeast, view of excavation area.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #5	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 12, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing west-northwest, view of the excavation area.



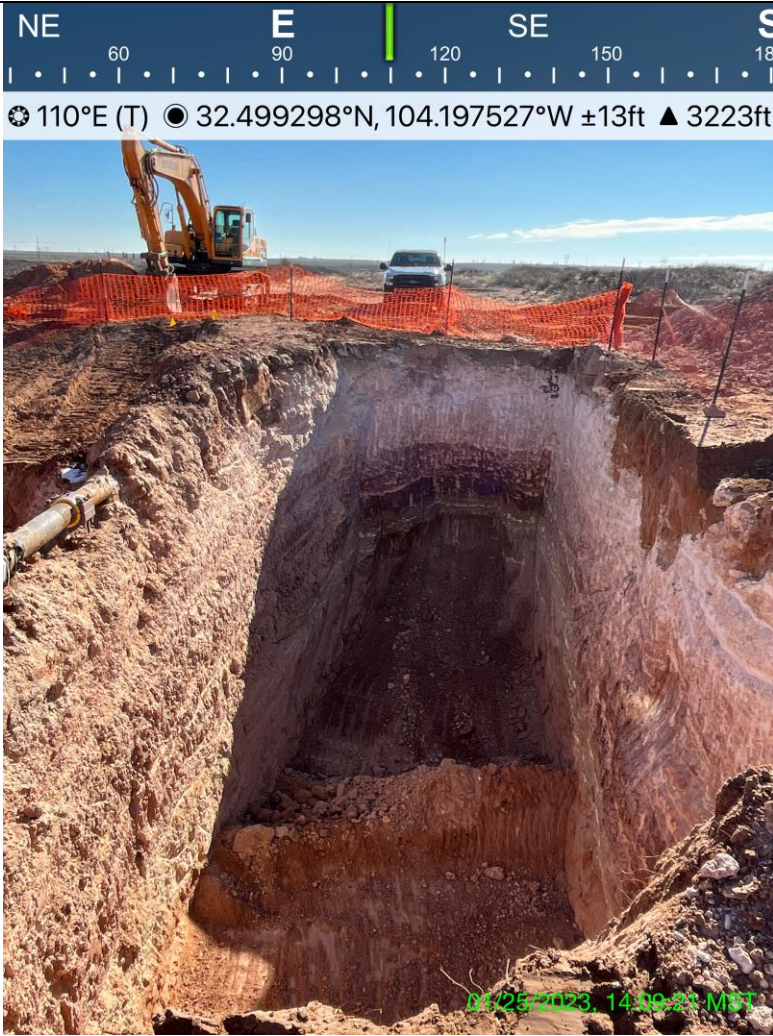
**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #6	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 25, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing northeast, view of final excavation area.

**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #7	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 25, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing east-southeast, view of final excavation area.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #8	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 25, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing east, view of the final excavation area.



**Photograph Log**  
**B-6 Pipeline Release**  
**Enterprise Field Services**



Photograph #9	
Client: Enterprise Field Services	
Site Name: B-6 Pipeline Release	
Date Photo Taken: January 25, 2023	
Release Location: N32.49932, W104.197278  C-S9-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing south-southeast, view of the final excavation area.

# 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: B-6

Work Order: E301011

Job Number: 97057-0001

Received: 1/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/9/23

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: 1/9/23

Heather Woods  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: B-6  
Workorder: E301011  
Date Received: 1/6/2023 7:15:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/6/2023 7:15:00AM, under the Project Name: B-6.

The analytical test results summarized in this report with the Project Name: B-6 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/09/23 16:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS01	E301011-01A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS02	E301011-02A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS03	E301011-03A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
BS04	E301011-04A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 0 - 8	E301011-05A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 8 - 16	E301011-06A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW1 @ 16 - 24	E301011-07A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 0 - 8	E301011-08A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 8 - 16	E301011-09A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW2 @ 16 - 24	E301011-10A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW3 @ 0 - 8	E301011-11A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW3 @ 8 - 16	E301011-12A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW3 @ 16 - 24	E301011-13A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 0 - 8	E301011-14A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 8 - 16	E301011-15A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW4 @ 16 - 24	E301011-16A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW5 @ 0 - 6	E301011-17A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW5 @ 6 - 12	E301011-18A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW6 @ 0 - 6	E301011-19A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW6 @ 6 - 12	E301011-20A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW7 @ 0 - 6	E301011-21A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.
SW7 @ 6 - 12	E301011-22A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## BS01

## E301011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.6 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		81.1 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	1300	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## BS02

## E301011-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	0.0406	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	0.245	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	0.105	0.0500	1	01/05/23	01/06/23	
Total Xylenes	0.105	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.4 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		76.4 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	1020	20.0	1	01/05/23	01/06/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## BS03

## E301011-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		83.5 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	559	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## BS04

## E301011-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	0.0390	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.7 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		79.6 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	1480	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW1 @ 0 - 8

E301011-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
	80.0 %	50-200		01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	ND	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW1 @ 8 - 16

## E301011-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		79.3 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	64.4	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW1 @ 16 - 24

## E301011-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	0.111	0.0250	1	01/05/23	01/06/23	
Toluene	0.152	0.0250	1	01/05/23	01/06/23	
o-Xylene	0.302	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	0.954	0.0500	1	01/05/23	01/06/23	
Total Xylenes	1.26	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	24.2	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.8 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		82.3 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	374	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW2 @ 0 - 8

E301011-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.6 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		81.0 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	ND	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW2 @ 8 - 16

E301011-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		80.8 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	30.7	20.0	1	01/05/23	01/06/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW2 @ 16 - 24

## E301011-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.8 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		82.0 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	219	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW3 @ 0 - 8

E301011-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		82.3 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	ND	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW3 @ 8 - 16

## E301011-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		76.2 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	31.8	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW3 @ 16 - 24

## E301011-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.7 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	1340	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW4 @ 0 - 8

E301011-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		97.4 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	ND	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW4 @ 8 - 16

## E301011-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>		96.1 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: KL		Batch: 2301043
Chloride	36.7	20.0	1	01/05/23	01/06/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW4 @ 16 - 24

## E301011-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.7 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		97.3 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	840	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW5 @ 0 - 6

E301011-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	43.6	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW5 @ 6 - 12

E301011-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		94.7 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	1100	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW6 @ 0 - 6

E301011-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2301037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301035
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301043
Chloride	93.8	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

## SW6 @ 6 - 12

## E301011-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Benzene	ND	0.0250	1	01/05/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/05/23	01/06/23	
Toluene	ND	0.0250	1	01/05/23	01/06/23	
o-Xylene	ND	0.0250	1	01/05/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/05/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/05/23	01/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2301037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/05/23	01/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	01/05/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2301035	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>						
		86.6 %	50-200	01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2301043	
Chloride	790	20.0	1	01/05/23	01/06/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW7 @ 0 - 6

E301011-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	100 %	70-130		01/06/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	100 %	70-130		01/06/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
Surrogate: n-Nonane	106 %	50-200		01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	ND	20.0	1	01/05/23	01/06/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/9/2023 4:26:17PM

SW7 @ 6 - 12

E301011-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	0.0610	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	1.83	0.0250	1	01/06/23	01/06/23	
Toluene	6.61	0.0250	1	01/06/23	01/06/23	
o-Xylene	2.83	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	11.3	0.500	10	01/06/23	01/09/23	
Total Xylenes	13.4	0.0250	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	118 %	70-130		01/06/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	426	20.0	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	118 %	70-130		01/06/23	01/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
Surrogate: n-Nonane	121 %	50-200		01/05/23	01/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301044
Chloride	518	20.0	1	01/05/23	01/06/23	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

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	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

## LCS (2301038-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.67	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

## LCS Dup (2301038-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.67	0.0250	2.50		107	70-130	2.49	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	2.90	27	
Toluene	2.62	0.0250	2.50		105	70-130	3.89	24	
o-Xylene	2.70	0.0250	2.50		108	70-130	2.85	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	3.43	27	
Total Xylenes	7.92	0.0250	7.50		106	70-130	3.23	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Volatile Organics by EPA 8021B

Analyst: SL

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

## Blank (2301037-BLK1)

Prepared: 01/05/23 Analyzed: 01/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

## LCS (2301037-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	4.37	0.0250	5.00		87.5	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130			
Toluene	4.75	0.0250	5.00		94.9	70-130			
o-Xylene	4.84	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

## LCS Dup (2301037-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	4.85	0.0250	5.00		97.0	70-130	10.3	20	
Ethylbenzene	5.15	0.0250	5.00		103	70-130	8.99	20	
Toluene	5.24	0.0250	5.00		105	70-130	9.83	20	
o-Xylene	5.33	0.0250	5.00		107	70-130	9.49	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	8.44	20	
Total Xylenes	15.7	0.0250	15.0		105	70-130	8.80	20	
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2301037-BLK1)

Prepared: 01/05/23 Analyzed: 01/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.1	70-130			

## LCS (2301037-BS2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

## LCS Dup (2301037-BSD2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130	0.800	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

## Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

## LCS (2301038-BS2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

## LCS Dup (2301038-BSD2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	64.2	20.0	50.0		128	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

## Blank (2301035-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	50-200			

## LCS (2301035-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			

## Matrix Spike (2301035-MS1)

Source: E301011-14

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.8	50-200			

## Matrix Spike Dup (2301035-MSD1)

Source: E301011-14

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132	4.73	20	
Surrogate: <i>n</i> -Nonane	47.0		50.0		94.0	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2301040-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

## LCS (2301040-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	234	25.0	250		93.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

## Matrix Spike (2301040-MS1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132			
Surrogate: n-Nonane	46.8		50.0		93.5	50-200			

## Matrix Spike Dup (2301040-MSD1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132	2.44	20	
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

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 (2301043-BLK1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	ND	20.0							
LCS (2301043-BS1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2301043-BSD1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	254	20.0	250		102	90-110	0.647	20	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/9/2023 4:26:17PM

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 (2301044-BLK1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	ND	20.0							
LCS (2301044-BS1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2301044-BSD1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Chloride	253	20.0	250		101	90-110	1.78	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:	B-6	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/09/23 16:26

- 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.





## Project Information

## Chain of Custody

Client: <u>Sauder Miller &amp; Associates</u> Project: <u>B-6</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S Halagueno</u> City, State, Zip: <u>Carlsbad NM 88220</u> Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>Enterprise</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>WO# 2RD22121</u>					Lab Use Only Lab WO#: <u>PE30101</u> Job Number: <u>97057-0001</u> Analysis and Method DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ RTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 30010 _____ BGDOOC - NM _____ BGDOOC - TX _____										EPA Program TAT: <u>Next day</u> 1D 3D _____ RCRA _____ CWA _____ SDWA _____ State: _____ NM CO UT AZ TX OK _____ Remarks: _____				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	RTEX by 8021	VOC by 8260	Metals 6010	Chloride 30010	BGDOOC - NM	BGDOOC - TX	Remarks										
1328	1/4	S	1	BS01	1							X												
1330	1/4	S	1	BS02	2							X												
1420	1/4	S	1	BS03	3							X												
1425	1/4	S	1	BS04	4							X												
1517	1/4	S	1	SW1 @ 0-8	5							X												
1515	1/4	S	1	SW1 @ 8-16	6							X												
1510	1/4	S	1	SW1 @ 16-24	7							X												
1505	1/4	S	1	SW2 @ 0-8	8							X												
1502	1/4	S	1	SW2 @ 8-16	9							X												
1500	1/4 <sup>23</sup>	S	1	SW2 @ 16-24	10							X												
Additional Instructions: <u>Please send to Heather Woods, Sarahmay Schley, Georgann Goodman</u> (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____ Relinquished by: (Signature) _____ Date: <u>1/4/23</u> Time: <u>600</u> Received by: (Signature) _____ Date: <u>1-5-23</u> Time: <u>1000</u> Relinquished by: (Signature) _____ Date: <u>1-5-23</u> Time: <u>1700</u> Received by: (Signature) _____ Date: <u>1-5-23</u> Time: <u>1800</u> Relinquished by: (Signature) _____ Date: <u>1-5-23</u> Time: <u>2245</u> Received by: (Signature) _____ Date: <u>1/6/23</u> Time: <u>7:15</u> 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.																								

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## Chain of Custody

## Project Information

Client: <u>Snyder Miller &amp; Associates</u>					Bill To					Lab Use Only										EPA Program				
Project: <u>B-6</u>					Attention: <u>Enterprise</u>					Lab WO# <u>PE301011</u>					Job Number <u>97057-0001</u>					TAT				
Project Manager: <u>Heather Woods</u>					Address:					Analysis and Method					RCRA					CWA				
Address: <u>201 S. Halagueno</u>					City, State, Zip					Metals 6010					Chloride 300.0					State				
City, State, Zip: <u>Carlsbad, NM 88220</u>					Phone:					BODOC by 8015					BODOC by 8021					NM				
Phone:					Email:					VOC by R260					BODOC by 8015					TX				
Email:					WO# <u>Rd 22121</u>					BODOC by 8015					BODOC by 8021					Remarks				
Report due by:					Lab Number					BODOC by 8015					BODOC by 8021									
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID																				
1331	1/4	S	1	SW3@0-8	11																			
1333	1/4	S	1	SW3@8-16	12																			
1336	1/4	S	1	SW3@16-24	13																			
1340	1/4	S	1	SW4@0-8	14																			
1342	1/4	S	1	SW4@8-16	15																			
1345	1/4	S	1	SW4@16-24	16																			
1430	1/4	S	1	SW5@0-6	17																			
1428	1/4	S	1	SW5@6-12	18																			
1450	1/4	S	1	SW6@0-6	19																			
1448	1/4 <sup>23</sup>	S	1	SW6@6-12	20																			
Additional Instructions:										<p>please send to Heather Woods, Sarahmay Schlee, Georgann Goodman</p> <p>I, the undersigned, attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:</p>														
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date				
Michelle Gonzales					1/4/23					600					Michelle Gonzales					1-5-23				
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date				
Michelle Gonzales					1-5-23					1700					Michelle Gonzales					1-5-23				
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date				
Michelle Gonzales					1-5-23					2245					Michelle Gonzales					1/6/23				
Sample Matrix: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, D - 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.										<p>Lab Use Only</p> <p>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N</p> <p>T1 _____ T2 _____ T3 _____</p> <p>AVG Temp °C <u>4</u></p> <p>Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA</p>														

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### Project Information

Next day

[illegible]

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## Envirotech Analytical Laboratory

Printed: 1/6/2023 8:02:14AM

## 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:	01/06/23 07:15	Work Order ID:	E301011
Phone:	(575) 200-5443	Date Logged In:	01/05/23 14:49	Logged In By:	Caitlin Christian
Email:		Due Date:	01/06/23 17:00 (0 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



5796 U.S. Hwy 64  
Farmington, NM 87401

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



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: B-6 Pipeline

Work Order: E301071

Job Number: 97057-0001

Received: 1/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/17/23

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: 1/17/23

Heather Woods  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: B-6 Pipeline  
Workorder: E301071  
Date Received: 1/14/2023 8:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2023 8:00:00AM, under the Project Name: B-6 Pipeline.

The analytical test results summarized in this report with the Project Name: B-6 Pipeline 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
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Office: 505-421-LABS(5227)  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	B-6 Pipeline	<b>Reported:</b> 01/17/23 13:37
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG@0	E301071-01A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BG@2	E301071-02A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BG@4	E301071-03A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BG@6	E301071-04A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BG@8	E301071-05A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BG@10	E301071-06A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BS01 @ 25	E301071-07A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BS02 @ 25	E301071-08A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
BS04 @ 20	E301071-09A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW3 @ 16 - 25	E301071-10A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW4 @ 16 - 25	E301071-11A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW5 @ 0 - 6.5	E301071-12A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW5 @ 6.5 - 13	E301071-13A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW5 @ 13 - 20	E301071-14A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW6 @ 0 - 6.5	E301071-15A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW6 @ 6.5 - 13	E301071-16A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW6 @ 13 - 20	E301071-17A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW7 @ 0 - 6.5	E301071-18A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW7 @ 6.5 - 13	E301071-19A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.
SW7 @ 9 13 - 20	E301071-20A	Soil	01/12/23	01/14/23	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@0

E301071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2303001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/15/23	
Surrogate: n-Nonane	99.9 %	50-200		01/15/23	01/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2302084
Chloride	ND	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@2

E301071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2303001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2302084
Chloride	61.8	20.0	1	01/14/23	01/14/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@4

E301071-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2302082
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2303001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2302084
Chloride	465	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@6

E301071-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	428	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@8

E301071-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	93.4 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	491	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BG@10

E301071-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	98.6 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	640	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BS01 @ 25

E301071-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	0.0357	0.0250	1	01/14/23	01/15/23	
Toluene	0.0352	0.0250	1	01/14/23	01/15/23	
o-Xylene	0.0532	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	0.179	0.0500	1	01/14/23	01/15/23	
Total Xylenes	0.232	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	21.1	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	208	20.0	1	01/14/23	01/14/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

BS02 @ 25

E301071-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	1360	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

**BS04 @ 20****E301071-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	1080	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

## SW3 @ 16 - 25

## E301071-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	537	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW4 @ 16 - 25

E301071-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.3 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	887	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW5 @ 0 - 6.5

E301071-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	98.9 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	23.3	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW5 @ 6.5 - 13

E301071-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	ND	20.0	1	01/14/23	01/14/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW5 @ 13 - 20

E301071-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	1330	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW6 @ 0 - 6.5

E301071-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	274	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW6 @ 6.5 - 13

E301071-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	454	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW6 @ 13 - 20

E301071-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.1 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.6 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	1320	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW7 @ 0 - 6.5

E301071-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	ND	20.0	1	01/14/23	01/14/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW7 @ 6.5 - 13

E301071-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	ND	20.0	1	01/14/23	01/14/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6 Pipeline  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/17/2023 1:37:07PM

SW7 @ 9 13 - 20

E301071-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Benzene	ND	0.0250	1	01/14/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/14/23	01/15/23	
Toluene	ND	0.0250	1	01/14/23	01/15/23	
o-Xylene	ND	0.0250	1	01/14/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/14/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/14/23	01/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2302082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/23	01/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		01/14/23	01/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2303001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/23	01/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/23	01/16/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/15/23	01/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2302084	
Chloride	275	20.0	1	01/14/23	01/14/23	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6 Pipeline	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/17/2023 1:37:07PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2302082-BLK1)

Prepared: 01/14/23 Analyzed: 01/15/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

## LCS (2302082-BS1)

Prepared: 01/14/23 Analyzed: 01/15/23

Benzene	4.59	0.0250	5.00		91.7	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

## LCS Dup (2302082-BS1)

Prepared: 01/14/23 Analyzed: 01/15/23

Benzene	4.55	0.0250	5.00		91.0	70-130	0.782	20	
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130	0.203	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	0.539	20	
o-Xylene	5.01	0.0250	5.00		100	70-130	0.444	20	
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130	0.0441	20	
Total Xylenes	14.9	0.0250	15.0		99.2	70-130	0.179	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.4	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6 Pipeline	Reported:  1/17/2023 1:37:07PM
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2302082-BLK1) Prepared: 01/14/23 Analyzed: 01/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

LCS (2302082-BS2) Prepared: 01/14/23 Analyzed: 01/15/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

LCS Dup (2302082-BSD2) Prepared: 01/14/23 Analyzed: 01/15/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.7	70-130	1.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6 Pipeline	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/17/2023 1:37:07PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

## Blank (2303001-BLK1)

Prepared: 01/15/23 Analyzed: 01/16/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	59.6		50.0		119	50-200			

## LCS (2303001-BS1)

Prepared: 01/15/23 Analyzed: 01/16/23

Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	50-200			

## Matrix Spike (2303001-MS1)

Source: E301071-01

Prepared: 01/15/23 Analyzed: 01/16/23

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: <i>n</i> -Nonane	42.6		50.0		85.2	50-200			

## Matrix Spike Dup (2303001-MSD1)

Source: E301071-01

Prepared: 01/15/23 Analyzed: 01/16/23

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	2.40	20	
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6 Pipeline	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/17/2023 1:37:07PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2302084-BLK1)					Prepared: 01/14/23 Analyzed: 01/14/23				
Chloride	ND	20.0							
LCS (2302084-BS1)					Prepared: 01/14/23 Analyzed: 01/14/23				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2302084-BSD1)					Prepared: 01/14/23 Analyzed: 01/14/23				
Chloride	253	20.0	250		101	90-110	0.324	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:	B-6 Pipeline	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/17/23 13:37

- 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.



## Chain of Custody

## Project Information

Client: Snyder Miller & Associates  
 Project: B-6 pipeline  
 Project Manager: Heather Woods  
 Address: 201 S. Halague  
 City, State, Zip: Carlsbad NM 88520  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Report due by: \_\_\_\_\_

## Bill To

Attention: Enterprise  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_  
WO# Rd 22121

## Lab Use Only

Lab WO# PE301071 Job Number 97057-0001

TAT  
1D 3D X

## EPA Program

RCRA CWA SDWA

## Analysis and Method

## State

NM CO UT AZ

TX OK

## Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	UGDOC - NM	TX - CDOC	Remarks
1335	1/12	S	1	B6@0	1							X		
1338	1/12	S	1	B6@2	2							X		
1341	1/12	S	1	B6@4	3							X		
1345	1/12	S	1	B6@6	4							X		
1348	1/12	S	1	B6@8	5							X		
1352	1/12	S	1	B6@10	6							X		
1314	1/12	S	1	BS01@25	7							X		
1312	1/12	S	1	BS02@25	8							X		
1113	1/12	S	1	BS04@20	9							X		
1319	1/12	S	1	SW3@16-25	10							X		

## Additional Instructions:

Please send to Heather Woods, Sarahmay Schlee, Georgeann Goodman

(I, the sampler, attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling 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 5 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	1/13/23	1148	<u>[Signature]</u>	1-13-23	1540	Received on ice: <u>Y</u> N
<u>[Signature]</u>	1-13-23	1700	<u>[Signature]</u>	1-13-23	1800	T1 _____ T2 _____ T3 _____
<u>[Signature]</u>	1-13-23	2400	<u>[Signature]</u>	1-14-23	8:00	AVG Temp °C <u>4</u>

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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## Project Information

## Chain of Custody

Client: <u>Souder Miller &amp; Associates</u>					Bill To					Lab Use Only		TAT		EPA Program					
Project: <u>B-6 Pipeline</u>					Attention: <u>Enterprise</u>					Lab WO# <u>PE301071</u>		Job Number <u>97057-0001</u>		1D	3D	RCRA	CWA	SDWA	
Project Manager: <u>Heather Woods</u>					Address:					Analysis and Method									
Address: <u>201 S. Malaga Ave</u>					City, State, Zip					State									
City, State, Zip: <u>Carlsbad NM 88220</u>					Phone:					NM CO UT AZ									
Email:					Email:					TX OK									
Report due by:					WO# <u>Rd22121</u>					Remarks									
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	BDOC - TX						
1317	1/12	S	1	SW4 @ 16-25	11							X							
1133	1/12	S	1	SW5 @ 0-6.5	12							X							
1253	1/12	S	1	SW5 @ 6.5-13	13							X							
1252	1/12	S	1	SW5 @ 13-20	14							X							
1251	1/12	S	1	SW6 @ 0-6.5	15							X							
1110	1/12	S	1	SW6 @ 6.5-13	16							X							
1250	1/12	S	1	SW6 @ 13-20	17							X							
1325	1/12	S	1	SW7 @ 0-6.5	18							X							
1443	1/12	S	1	SW7 @ 6.5-13	19							X							
1442	1/12	S	1	SW7 @ 13-20	20							X							

Additional Instructions: Please Send to Sarahmae Schloa, Heather Woods, Georgeann Goodman

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Marcus Lee</u>	<u>1-13-23</u>	<u>1700</u>	<u>Marcus Lee</u>	<u>1-13-23</u>	<u>1800</u>	
<u>Marcus Lee</u>	<u>1-13-23</u>	<u>2400</u>	<u>Marcus Lee</u>	<u>1-14-23</u>	<u>8:00</u>	

Sample Matrix: S - Sol, 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: 1/16/2023 9:44:16AM

## 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:	01/14/23 08:00	Work Order ID:	E301071
Phone:	(575) 200-5443	Date Logged In:	01/14/23 08:57	Logged In By:	Alexa Michaels
Email:		Due Date:	01/16/23 17:00 (0 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

White out present on COC from client.

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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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

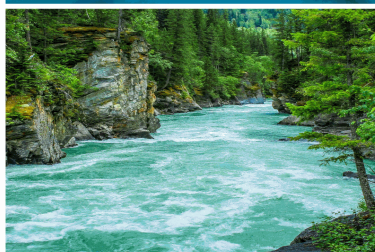
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Heather Woods



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: B-6  
Work Order: E301126  
Job Number: 97057-0001  
Received: 1/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/27/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 1/27/23

Heather Woods  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: B-6  
Workorder: E301126  
Date Received: 1/26/2023 8:25:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2023 8:25:00AM, under the Project Name: B-6.

The analytical test results summarized in this report with the Project Name: B-6 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b> 01/27/23 13:11
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS04 @ 21'	E301126-01A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
BS05 @ 21'	E301126-02A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW5 @ 14 - 21	E301126-03A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW6 @ 14 - 21	E301126-04A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW8 @ 0 - 7	E301126-05A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW8 @ 7 - 14	E301126-06A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW8 @ 14 - 21	E301126-07A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
SW4 @ 16 - 25	E301126-08A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.
BS02 @ 27'	E301126-09A	Soil	01/25/23	01/26/23	Glass Jar, 2 oz.



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

## BS04 @ 21'

## E301126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304025	
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2304033	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
	91.3 %	50-200		01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2304028	
Chloride	578	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

BS05 @ 21'

E301126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	1270	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW5 @ 14 - 21

E301126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	1640	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW6 @ 14 - 21

E301126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		98.5 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	962	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW8 @ 0 - 7

E301126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	ND	20.0	1	01/25/23	01/26/23	





## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW8 @ 7 - 14

E301126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	137	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW8 @ 14 - 21

E301126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.4 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	671	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

SW4 @ 16 - 25

E301126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Benzene	ND	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	ND	0.0250	1	01/25/23	01/26/23	
o-Xylene	ND	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/25/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2304025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304033
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2304028
Chloride	820	20.0	1	01/25/23	01/26/23	



## Sample Data

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: B-6  
Project Number: 97057-0001  
Project Manager: Heather Woods

**Reported:**  
1/27/2023 1:11:23PM

BS02 @ 27'

E301126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304025	
Benzene	0.0485	0.0250	1	01/25/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/25/23	01/26/23	
Toluene	0.240	0.0250	1	01/25/23	01/26/23	
o-Xylene	0.0612	0.0250	1	01/25/23	01/26/23	
p,m-Xylene	0.190	0.0500	1	01/25/23	01/26/23	
Total Xylenes	0.251	0.0250	1	01/25/23	01/26/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/23	01/26/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		01/25/23	01/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2304033	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/23	01/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/23	01/26/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/26/23	01/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2304028	
Chloride	1400	20.0	1	01/25/23	01/26/23	



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/27/2023 1:11:23PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304025-BLK1)

Prepared: 01/25/23 Analyzed: 01/26/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

## LCS (2304025-BS1)

Prepared: 01/25/23 Analyzed: 01/26/23

Benzene	3.99	0.0250	5.00		79.7	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.1	70-130			
Toluene	4.34	0.0250	5.00		86.9	70-130			
o-Xylene	4.46	0.0250	5.00		89.2	70-130			
p,m-Xylene	8.75	0.0500	10.0		87.5	70-130			
Total Xylenes	13.2	0.0250	15.0		88.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

## LCS Dup (2304025-BS1)

Prepared: 01/25/23 Analyzed: 01/26/23

Benzene	4.40	0.0250	5.00		88.0	70-130	9.91	20	
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130	10.5	20	
Toluene	4.81	0.0250	5.00		96.3	70-130	10.3	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	10.0	20	
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130	10.3	20	
Total Xylenes	14.6	0.0250	15.0		97.6	70-130	10.2	20	
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/27/2023 1:11:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304025-BLK1) Prepared: 01/25/23 Analyzed: 01/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2304025-BS2) Prepared: 01/25/23 Analyzed: 01/26/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

LCS Dup (2304025-BSD2) Prepared: 01/25/23 Analyzed: 01/26/23

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130	3.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/27/2023 1:11:23PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304033-BLK1)

Prepared: 01/26/23 Analyzed: 01/26/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.0		50.0		94.1	50-200			

## LCS (2304033-BS1)

Prepared: 01/26/23 Analyzed: 01/26/23

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: <i>n</i> -Nonane	52.8		50.0		106	50-200			

## Matrix Spike (2304033-MS1)

Source: E301126-01

Prepared: 01/26/23 Analyzed: 01/26/23

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: <i>n</i> -Nonane	52.4		50.0		105	50-200			

## Matrix Spike Dup (2304033-MSD1)

Source: E301126-01

Prepared: 01/26/23 Analyzed: 01/26/23

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.13	20	
Surrogate: <i>n</i> -Nonane	52.6		50.0		105	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-6	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	1/27/2023 1:11:23PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2304028-BLK1)					Prepared: 01/25/23 Analyzed: 01/25/23				
Chloride	ND	20.0							
LCS (2304028-BS1)					Prepared: 01/25/23 Analyzed: 01/26/23				
Chloride	263	20.0	250		105	90-110			
LCS Dup (2304028-BSD1)					Prepared: 01/25/23 Analyzed: 01/26/23				
Chloride	265	20.0	250		106	90-110	0.936	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:	B-6	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	01/27/23 13:11

- 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.

## Chain of Custody

Page 1 of 1

## Project Information

Client: Souder Miller + Associates  
 Project: B-6  
 Project Manager: Heather Woods  
 Address: 201 S Hualapueno  
 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# PE3011210 Job Number 97057-000  
 Analysis and Method

## TAT

1D 3D

☒ ☐

## EPA Program

RCRA CWA SDWA

## State

NM CO UT AZ

☒ ☐ ☐ ☐

TX OK

☐ ☐ ☐ ☐

## Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	OTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	UGDOC - NM	BGDOC - TX	Remarks
1127	1/25	S	1	BS04 @ 21'	1							X		
1128	1/25	S	1	BS05 @ 21'	2							X		
1205	1/25	S	1	SW5 @ 14-21	3							X		
1157	1/25	S	1	SW6 @ 14-21	4							X		
1203	1/25	S	1	SW8 @ 0-7	5							X		
1202	1/25	S	1	SW8 @ 7-14	6							X		
1201	1/25	S	1	SW8 @ 14-21	7							X		
1251	1/25	S	1	SW4 @ 16-25	8							X		
1340	1/25	S	1	BS02 @ 21'	9							X		

## Additional Instructions:

Please send to Heather 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 mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sample by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an ambient above 0 but less than 5 °C or subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	1/25/23	02:40	<u>[Signature]</u>	1-25-23	1440	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
<u>[Signature]</u>	1-25-23	1700	<u>[Signature]</u>	1-25-23	1738	T1 _____ T2 _____ T3 _____
<u>[Signature]</u>	1-25-23	2315	<u>[Signature]</u>	1/26/23	8:25	AVG Temp °C <u>4</u>
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 90 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: 1/26/2023 9:09:21AM

## 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:	01/26/23 08:25	Work Order ID:	E301126
Phone:	(575) 200-5443	Date Logged In:	01/25/23 15:45	Logged In By:	Caitlin Christian
Email:		Due Date:	01/26/23 17:00 (0 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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 189105

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 189105
	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 #NAPP2227852472 B-6 PIPELINE, thank you. This closure is approved.	6/23/2023