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: R Dun Date: 10/6/22

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

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources Department

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Santa Fe, NM 87505

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

Incident ID	NAPP2221323678
District RP	
Facility ID	
Application ID	

Closure

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Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: R. Dunaway Date: 10/6/22

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2221325678
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Robert Hamlet Date: 12/21/2022

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

Closure Approved by: Robert Hamlet Date: 12/21/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

October 5, 2022

#5E31002-BG18

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

SUBJECT: Remediation Closure Report for the OIZOJ4 Pipeline Release (NAPP2221323678), 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 OIZOJ4 Pipeline Release (NAPP2221323678). The release site is located in Unit B, Section 2, Township 20S, 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 OIZOJ4 Pipeline Release (NAPP2221323678) be closed.

Table 1: Release Information and Closure Criteria			
Name	OIZOJ4	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.606372, -104.250157
Incident Number	NAPP2221323678	Date Release Discovered	July 29, 2022
Land Status	Federal (BLM)	Reported To	NMOCD District II
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	<1.0 bbl Condensate 64 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	August 5, 10, 22 and 29, 2022		

2.0 Background

On July 29, 2022, a natural gas and condensate release was discovered at the OIZOJ4 Pipeline Release site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The initial C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The OIZOJ4 Pipeline Release site is located approximately 11 miles north of Carlsbad, New Mexico on public land administered by the BLM land at an elevation of approximately 3,386 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 one well (RA-11946) within ½-mile of the site. The well record associated with NMOSE registered well RA-11946, reports a static water level in the completed well of 78.5 feet below grade surface (bgs) and according to the well record is located approximately 167 feet west of the release location. Water well documentation is included in Appendix B and registered wells are in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is Angel Draw, located approximately 1,675 feet to the east.

Closure Criteria

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii which indicate that the site does lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC due to the proximity of the release location to the livestock water well RA-11946.

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

4.0 Release Characterization and Remediation Activities

On August 10, 2022, following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling.

Seven (7) composite confirmation samples were collected from the excavation and five (5) composite confirmation samples were collected from the surface 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 that the surface area represented by confirmation sample Comp-1 exceed the Closure Criteria for total TPH of 600 milligrams per kilogram (mg/kg) with reported concentration of 898 mg/kg. Additional excavation was performed in this sample area and resampled on August 29, 2022. Laboratory

results indicated that the total TPH concentration for this area were reduced below laboratory detection limits of 95 mg/kg.

The main remediation excavation measured approximately 24 feet by 9 feet with depths ranging from 10 to 17 feet. The adjacent surface remediation area measured approximately 24 feet by 24 feet with a maximum depth of 1 foot.

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. 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 NAPP2221323678.

6.0 Scope and Limitations

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

If there are any questions regarding this report, please contact Heather Woods at (505) 716-2787.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Georgeann Goodman
Environmental Tech II

Reviewed by:

Heather M. Woods, P.G.
Project Geoscientist

REFERENCES:

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

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

ATTACHMENTS:

Figures:

Figure 1: Site Map
Figure 2: Surface Water Protection Map
Figure 3: Site and Sample Location Map

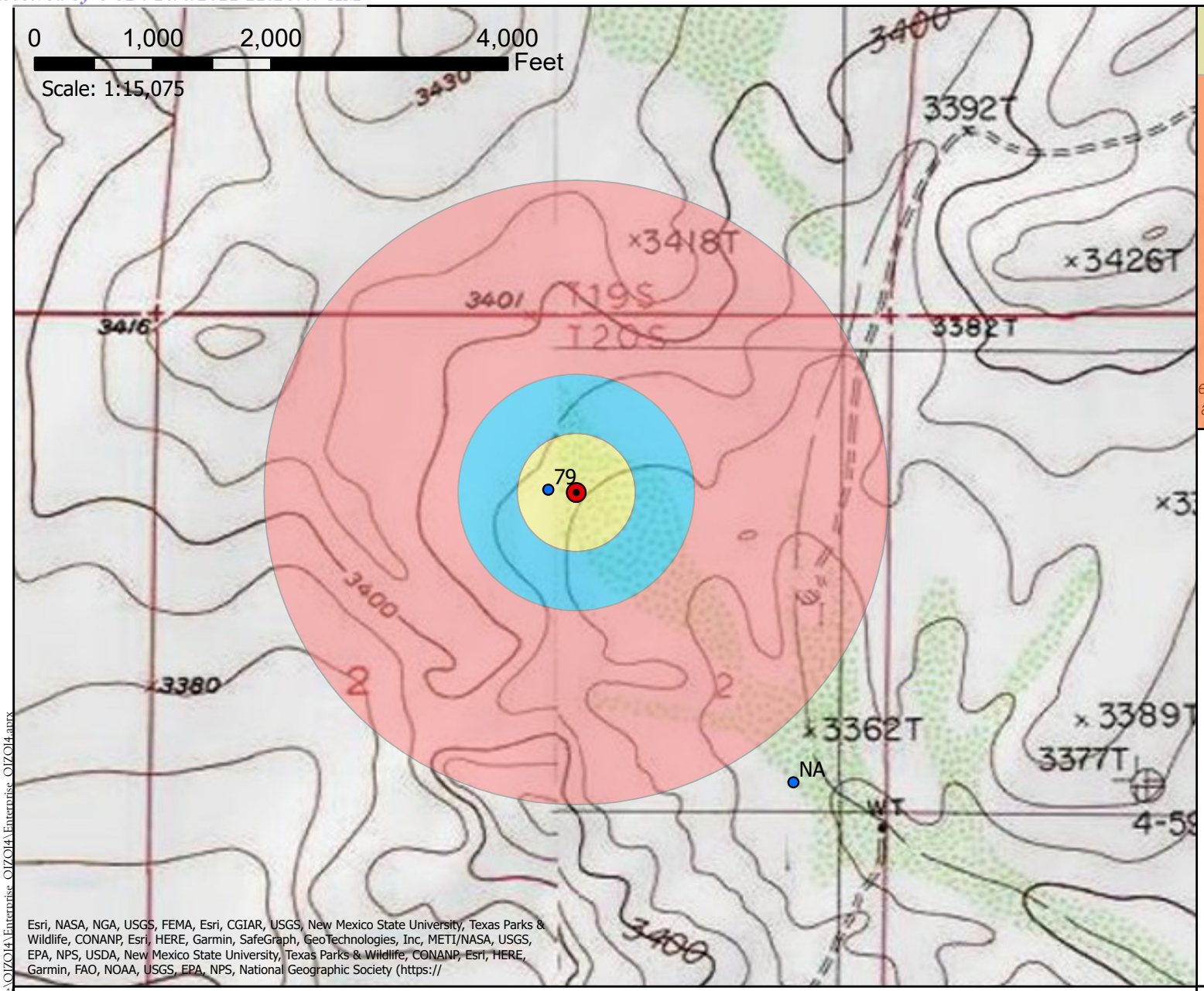
Tables:

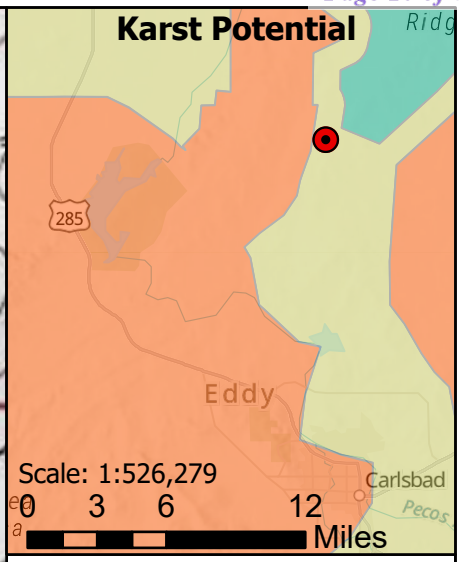
Table 2: NMOCD Closure Criteria
Table 3: Summary of Laboratory Analytical Results

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





Legend

- Point of Release
- USGS GW Wells (depth in ft)
- OSE GW Wells (depth in ft)

Buffer Distance

- 500 feet
- 1000 feet
- 0.5 feet

Karst Potential

- High
- Medium
- Low

N

Point of Release Coordinates:
-104.250157W 32.606372N

Topographic Site Map
OIZOJ4 Line Release - Enterprise Field Services LLC
UL:B S:2 T:20S R:27E, Eddy County, New Mexico

Figure 1

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Date Saved: 8/16/2022

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

Drawn Sarahmay Schlea
Date 8/18/2022
Checked
Approved

SMA
Souder, Miller & Associates
Engineering • Environmental
Geomatics

201 South Halagueno Street
Carlsbad, New Mexico 88221
(575) 689-7040
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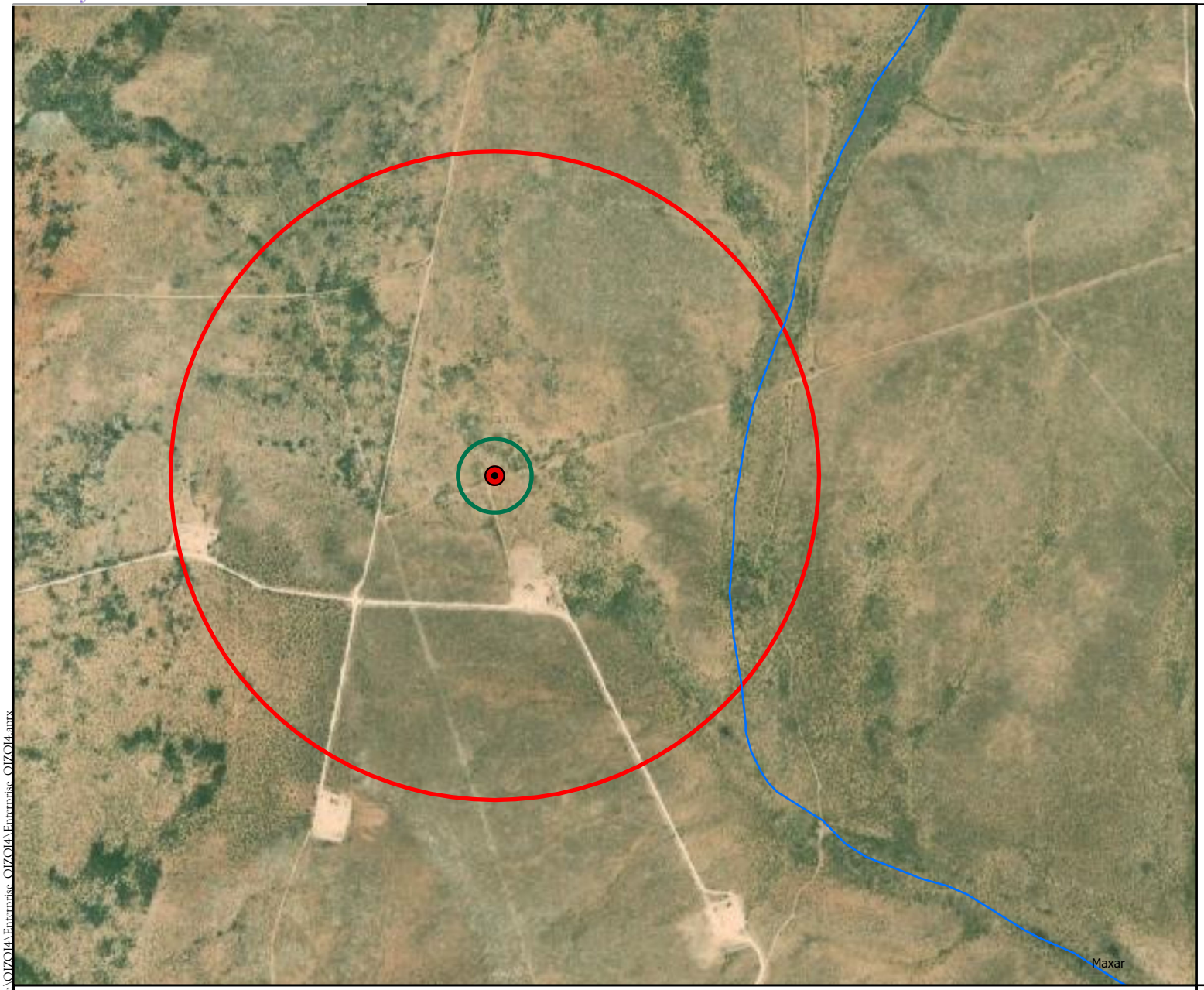

Legend

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

N

0 500 1,000 2,000

Feet

Scale: 1:14,520

Point of Release Coordinates:
-104.250157W 32.606372N

Aerial Site Map
OIZOJ4 Line Release - Enterprise Field Services LLC
UL:B S:2 T:20S R:27E, Eddy County, New Mexico

Figure 2

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Date Saved: 8/1/2022

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

Drawn Sarahmay Schlea
Date 8/1/2022
Checked
Approved

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Carlsbad, New Mexico 88221
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Legend

- Point of Release
- Sidewall Samples
- Enterprise Line

Confirmation Samples

- Base Composite (10ft)
- Base Composite (16ft)
- Composite Surface Samples

0 3 6 12

Feet

Scale: 1:78

N

Point of Release Coordinates:
-104.250157W 32.606372N

Site and Sample Location Map
OIZOJ4 Line Release - Enterprise Field Services LLC
UL:B S:2 T:20S R:27E, Eddy County, New Mexico

Figure 3

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

Drawn Sarahmay Schlea
Date 8/16/2022
Checked
Approved

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Date Saved: 8/1/2022

TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services
OIZOJ4 Pipeline Release
nAPP2221323678

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	78.5	NMOSE and USGS Water Well Data (RA-11946)
Hortizontal Distance From All Water Sources Within 1/2 Mile	167	NMOSE and USGS Water Well Data (RA-11946)
Hortizontal Distance to Nearest Significant Watercourse	1,675	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 *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS	**X**	**600**	**100**		**50**	**10**
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	no	**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?	**yes**					
<1000' from fresh water well or spring?	no					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	no					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	no					
<100' from wetland?	no					
within area overlying a subsurface mine	no					
within an unstable area?	no					
within a 100-year floodplain?	no					

Table 3:
Summary of Laboratory Analytical Results

Enterprise Field Services
OIZOJ4 Pipeline Release
napp2221323678

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**
Final Excavation Confirmation Samples									
CS01-S	8/10/2022	10	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS02-N	8/10/2022	16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**58.0**
SW1	8/10/2022	0 to 10	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**30.6**
SW2	8/10/2022	0 to 16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3 @ 8'	8/10/2022	0 to 8	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3 @ 16'	8/10/2022	8 to 16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4	8/10/2022	0 to 16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**177**
Comp 1	8/29/2022	1	**0.1435**	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 2	8/10/2022	0	<0.100	<0.0250	<20.0	<25.0	**86.9**	**86.9**	<20.0
Comp 3	8/10/2022	0	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 4	8/10/2022	0	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 5	8/10/2022	0	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Sample Areas REMOVED by Additional Excavation									
Comp 1	8/10/2022	0	**0.139**	<0.0250	<20.0	**156**	**742**	**898**	**70.5**

Notes: NMOCD - New Mexico Oil Conservation Division
BTEX - total benzene, toluene, ethylbenzene, and xylenes
TPH - total petroleum hydrocarbon
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
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
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	NAPP2221323678
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhdunaway@eprod.com	Incident # *(assigned by OCD)*	nAPP2221323678
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.606372 Longitude -104.250157
(NAD 83 in decimal degrees to 5 decimal places)

Site Name OIZOJ4 Pipeline	Site Type Gathering Pipeline
Date Release Discovered 07/29/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B	02	20S	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) -0-
☒ Natural Gas	Volume Released (Mcf) 64	Volume Recovered (Mcf) -0-
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found a leak on a gathering pipeline, cause is to be determined. The gas portion of this release constitutes venting that occurre during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2221323678
District RP	
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: [signature] Date: 8/1/22

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

OCD Only

Received by: Jocelyn Harimon Date: 08/01/2022

Enter data in shaded fields to calculate gas volumes released due to leak

Hours of leak	1		NOTE: Enter Compon
Diameter of hole (inches)	0.025		Blowdown sheet as ne
Line Pressure at Leak	627	Hourly Basis	
Volume of Gas Leaked	**0.40**	0.40 MSCF	

Calculations:

Volume of Gas Leaked (MSCF) = Diameter*Diameter*(Upstream Gauge Pressure + Atmospheric Pressure)*Ho

****Reference: Pipeline Rules of Thumb Handbook, 3rd Edition, McAllister. Page 260. Assuming Standard Temp**

Footage of Pipe blowndown	6,388	
Initial line pressure	627	
Diameter of Pipe (inches)	6	
Volume of Gas Blown Down	**63.43954**	MSCF

Calculations:

Volume of Gas Blown Down (MSCF) = Volume at pipeline conditions (ft3)*(Gauge Pressure (psig)+Atmospheric
/(1000 scf/mscf)*Standard Pressure (14.7psi)*Temperature(F)*Z Factor
Volume at pipeline conditions (scf) = Diameter/12 (ft)*Diameter/12 (ft)*PI/4*Length of pipe (ft)
****Reference: Gas Pipeline Hydraulics, Menson (2005) Pages 132-134. Assuming the Ideal Gas Law and Tpipeli**

Total Gas Loss	**63.84 MSCF**	**0.064 MMSCF**

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

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

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 130157
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/1/2022

Heather Woods

From: Heather Woods
Sent: Monday, August 8, 2022 11:02 AM
To: Enviro, OCD, EMNRD
Cc: rhdunaway@eprod.com; Sarahmay Schlea; Georgeann Goodman
Subject: Confirmation Sampling Notification - Enterprise OIZOJ4 (nAPP2221323678)

Good Afternoon,

Souder, Miller & Associates will be on location Wednesday, August 10th,2022, at 10:30am to conduct confirmation sampling at the Enterprise OIZOJ4 release location (nAPP2221323678) located at 32.606372, -104.250157.

Many Thanks,
Heather

Heather Woods, P.G.
Project Geoscientist

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

Souder, Miller & Associates
Engineering ♦ Environmental ♦ Geomatics
401 West Broadway
Farmington, NM 87401
(505) 716-2787 (mobile)
(505) 325-7535 (office)
www.soudermiller.com

Heather Woods

From: Heather Woods
Sent: Wednesday, August 24, 2022 1:19 PM
To: 'Enviro, OCD, EMNRD'
Cc: 'rhdunaway@eprod.com'; Sarahmay Schlea; Georgeann Goodman
Subject: UPDATE: Confirmation Sampling Notification - Enterprise OIZOJ4 (nAPP2221323678)

Good Afternoon,

The confirmation sampling for the Enterprise OIZOJ4 release location (nAPP2221323678) located at 32.606372, -104.250157, has been moved to Monday, August 29th beginning at 12:00pm.

Thank you,
Heather

From: Heather Woods
Sent: Wednesday, August 24, 2022 10:57 AM
To: Enviro, OCD, EMNRD <ocd.enviro@state.nm.us>
Cc: rhdunaway@eprod.com; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>
Subject: Confirmation Sampling Notification - Enterprise OIZOJ4 (nAPP2221323678)

Hello,

Souder, Miller & Associates will be on location Friday, August 26th ,2022, at 8:00am to conduct confirmation sampling at the Enterprise OIZOJ4 release location (nAPP2221323678) located at 32.606372, -104.250157.

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)

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APPENDIX B

WATER WELL DATA

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 34, 35, 36 **Township:** 19S **Range:** 27E

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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 05552		RA	ED	2	4		02	20S	27E	570844	3607265*	145		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

PLSS Search:

Section(s): 1, 2, 3, 10, 11, 12 **Township:** 20S **Range:** 27E

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2013 SEP 30 P 2:38

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER): RA 11946	OSE FILE NUMBER(S):
WELL OWNER NAME(S): Dale Balzano	PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 1710 North Muscatel	CITY: Carlsbad STATE: NM ZIP: 88220

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	36	22.8	N
LONGITUDE	104	15	02.5	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE:
Well is at 7 Rivers at the old feed lot location close to small white house.

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1348	Clinton Taylor	Taylor Water Well Service

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/18/2013	9/19/2013	158	160	118

COMPLETED WELL IS: ○ ARTESIAN ○ DRY HOLE ◉ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 78.5

DRILLING FLUID: ◉ AIR ○ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ◉ ROTARY ○ HAMMER ○ CABLE TOOL ○ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+1.5	118	7 7/8	PVC	Spline	4.5	SDR 17	
118	158	7 7/8	PVC	Spline	4.5	SDR 17	.032

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	22	7 7/8	Bentonite Grout	3 Sacks	Tremie
22	160	7 7/8	Pea Gravel	2.5 Yards	Dump

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	RA-11946	POD NUMBER	1	TRN NUMBER	526873
LOCATION					PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	8	8	Soil	○ Y ◉ N	
8	14	6	Caliche	○ Y ◉ N	
14	22	8	Clay: pnk,dl rd,smth,stky	○ Y ◉ N	
22	42	20	Clay: gry,yel brn,smth,stky	○ Y ◉ N	
42	48	6	Clay: blu gry,smth,stky	○ Y ◉ N	
48	68	20	Clay:brk rd,slty-sndy	○ Y ◉ N	
68	86	18	Anhydrite:wht,frstd,fn xln,sme gyp,layers of rd clay	○ Y ◉ N	
86	118	32	Anhydrite:gry,sme lt rd,frstd,fn xln-dns,sme rd clay	○ Y ◉ N	
118	160	42	Anhydrite:gry,pnk,sme wht,fn xln-dns,sme rd clay stringers	◉ Y ○ N	20
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ◉ PUMP ○ AIR LIFT ○ BAILER ○ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 20

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

Water tests at 2100 PPM TDS.

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

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9/30/2013
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	RA-11946	POD NUMBER	1	TRN NUMBER	526873
LOCATION					PAGE 2 OF 2

New Mexico Office of the State Engineer
Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 250750 **Transaction Desc:** RA 05552 **File Date:** 05/06/1968

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *******
Applicant: EDNA ANGELL

Events

Date	Type	Description	Comment	Processed By
05/06/1968	APP	Application Received		*******
05/10/1968	FIN	Final Action on application		*******
05/10/1968	WAP	General Approval Letter		*******

Change To:

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
RA 05552		3		STK 72-12-1 LIVESTOCK WATERING

****Point of Diversion**

RA 05552		570844	3607265*

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Conditions

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

4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved
Action Date: 05/10/1968
Log Due Date: 05/06/1969
State Engineer:

APPENDIX C

SAMPLING PROTOCOL

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

Sampling Protocol

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

Sampling Analysis Field Quality Assurance Procedures

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

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

APPENDIX D

FIELD NOTES AND

PHOTO LOG

[redacted]

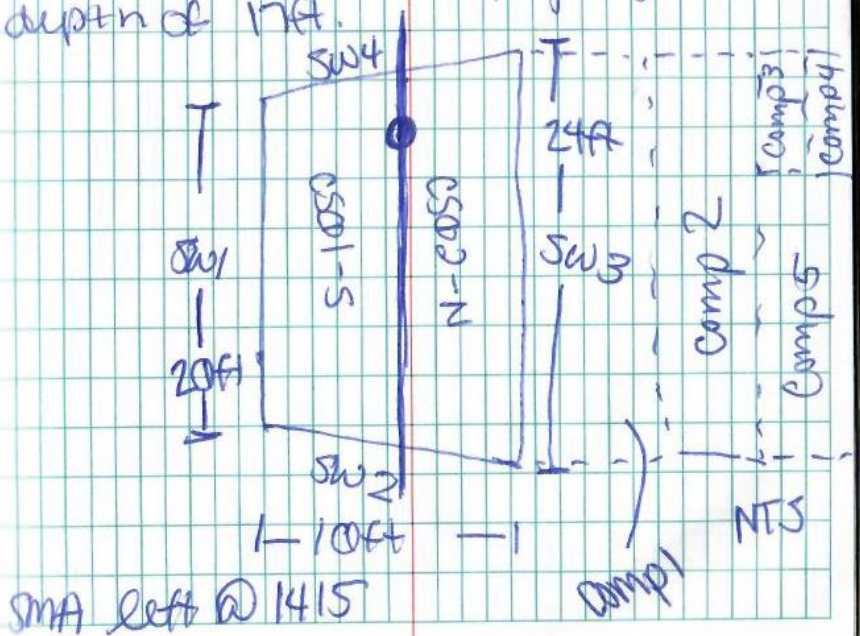
August 10, 2022 0120-14

SMA arrived onsite @ 1035

Heather + Georgeann had dug out the S side to about 10ft. The plan is to dug out the N side and test it then go from there.

We will be taking confirmation samples today.

→ N side ended up going to a depth of 17ft.



SMA left @ 1415

Photograph Log
OIZOJ4 Pipeline Release
Enterprise Field Services

Photograph #1	
Client: Enterprise Field Services	
Site Name: OIZOJ4 Pipeline Release	
Date Photo Taken: August 10, 2022	
Release Location: N32.606372, W104.250157 G-S2-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing east-northeast, view of the main excavation area.

Photograph Log
OIZOJ4 Pipeline Release
Enterprise Field Services

Photograph #2	
Client: Enterprise Field Services	
Site Name: OIZOJ4 Pipeline Release	
Date Photo Taken: August 10, 2022	
Release Location: N32.606372, W104.250157 G-S2-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing west-southwest, view of the main excavation area.

Photograph Log
OIZOJ4 Pipeline Release
Enterprise Field Services

Photograph #3	
Client: Enterprise Field Services	
Site Name: OIZOJ4 Pipeline Release	
Date Photo Taken: August 22, 2022	
Release Location: N32.606372, W104.250157 G-S2-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Facing west, view of the surface excavation area represented by confirmation sample Comp-1 as sampled on August 29, 2022.

Photograph Log
OIZOJ4 Pipeline Release
Enterprise Field Services

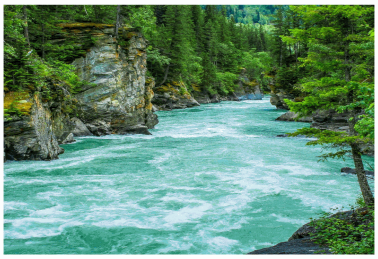
Photograph #4	
Client: Enterprise Field Services	
Site Name: OIZOJ4 Pipeline Release	
Date Photo Taken: August 22, 2022	
Release Location: N32.606372, W104.250157 G-S2-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Facing southeast, view of the surface excavation area represented by confirmation sample Comp-1 as sampled on August 29, 2022.

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Report to:

Heather Woods



5796 U.S. Hwy 64
Farmington, NM 87401

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

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: 0120J4 Line Release

Work Order: E208070

Job Number: 97057-0001

Received: 8/12/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/22

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

Date Reported: 10/5/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: 0120J4 Line Release
Workorder: E208070
Date Received: 8/12/2022 10:15:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2022 10:15:00AM, under the Project Name: 0120J4 Line Release.

The analytical test results summarized in this report with the Project Name: 0120J4 Line Release apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 17:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS01-S	E208070-01A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
CS02-N	E208070-02A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
SW1	E208070-03A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
SW2	E208070-04A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
SW3 @ 8'	E208070-05A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
SW3 @ 16'	E208070-06A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
SW4	E208070-07A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
Comp 1	E208070-08A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
Comp 2	E208070-09A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
Comp 3	E208070-10A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
Comp 4	E208070-11A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
Comp 5	E208070-12A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

CS01-S

E208070-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/15/22	
Toluene	ND	0.0250	1	08/15/22	08/15/22	
o-Xylene	ND	0.0250	1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

CS02-N

E208070-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/15/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/15/22	
Toluene	ND	0.0250	1	08/15/22	08/15/22	
o-Xylene	ND	0.0250	1	08/15/22	08/15/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/15/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*08/15/22*	*08/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	**58.0**	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

SW1

E208070-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	**30.6**	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

SW2

E208070-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

SW3 @ 8'

E208070-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

SW3 @ 16'

E208070-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

SW4

E208070-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	**177**	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Comp 1

E208070-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	**0.0400**	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	**0.0990**	0.0500	1	08/15/22	08/16/22	
Total Xylenes	**0.139**	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	**156**	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	**742**	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	**70.5**	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Comp 2

E208070-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	**86.9**	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*77.9 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Comp 3

E208070-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Comp 4

E208070-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Comp 5

E208070-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234002
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*92.5 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234011
Chloride	ND	20.0	1	08/15/22	08/16/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234008-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2234008-BS1)									Prepared: 08/15/22 Analyzed: 08/15/22
Benzene	2.20	0.0250	2.50		87.9	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.7	70-130			
Toluene	2.20	0.0250	2.50		88.0	70-130			
o-Xylene	2.13	0.0250	2.50		85.0	70-130			
p,m-Xylene	4.22	0.0500	5.00		84.3	70-130			
Total Xylenes	6.34	0.0250	7.50		84.6	70-130			
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2234008-MS1)				**Source: E208070-02**					Prepared: 08/15/22 Analyzed: 08/15/22
Benzene	2.20	0.0250	2.50	ND	88.0	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135			
Toluene	2.18	0.0250	2.50	ND	87.4	48-130			
o-Xylene	2.18	0.0250	2.50	ND	87.1	43-135			
p,m-Xylene	4.27	0.0500	5.00	ND	85.4	43-135			
Total Xylenes	6.45	0.0250	7.50	ND	85.9	43-135			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2234008-MSD1)				**Source: E208070-02**					Prepared: 08/15/22 Analyzed: 08/15/22
Benzene	2.24	0.0250	2.50	ND	89.7	48-131	1.91	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135	3.55	27	
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	4.21	24	
o-Xylene	2.22	0.0250	2.50	ND	88.7	43-135	1.84	27	
p,m-Xylene	4.44	0.0500	5.00	ND	88.8	43-135	3.94	27	
Total Xylenes	6.66	0.0250	7.50	ND	88.8	43-135	3.24	27	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234008-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2234008-BS2)									Prepared: 08/15/22 Analyzed: 08/15/22
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike (2234008-MS2)				**Source: E208070-02**					Prepared: 08/15/22 Analyzed: 08/15/22
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2234008-MSD2)				**Source: E208070-02**					Prepared: 08/15/22 Analyzed: 08/15/22
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130	3.23	20	
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234002-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			
LCS (2234002-BS1)									Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
Matrix Spike (2234002-MS1)				**Source: E208076-24**					Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*39.6*		*50.0*		*79.1*	*50-200*			
Matrix Spike Dup (2234002-MSD1)				**Source: E208076-24**					Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	0.0141	20	
Surrogate: n-Nonane	*38.7*		*50.0*		*77.4*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:30:00PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234011-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Chloride	ND	20.0							
LCS (2234011-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	249	20.0	250		99.7	90-110			
LCS Dup (2234011-BSD1)									Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	244	20.0	250		97.5	90-110	2.17	20	

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

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	0120J4 Line Release	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 17:30

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

STD 5 days

Client:	Souder Miller & Associates
Project:	012004 Linn Release
Project Manager:	Heather Woods
Address:	201 S. Halagueno St
City, State, Zip	Carlsbad, NM 88220
Phone:	
Email:	
Report due by:	

Bill To

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

Lab Use Only

Lab WO#: E20870 Job Number: 97057-0001

TAT: 1D ☐ 3D ☐

EPA Program: RCRA ☐ CWA ☐ SDWA ☐

State: NM ☒ CO ☐ UT ☐ AZ ☐ TX ☐ OK ☐

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1132	8/10/22	soil	1	CS01-5	1									X				
1248	8/10/22	soil	1	CS02-N	2									X				
1130	8/10/22	soil	1	SW1	3									X				
1133	8/10/22	soil	1	SW2	4									X				
1136	8/10/22	soil	1	SW3@8'	5									X				
1255	8/10/22	soil	1	SW3@16'	6									X				
1139	8/10/22	soil	1	SW4	7									X				
1323	8/10/22	soil	1	comp 1	8									X				
1324	8/10/22	soil	1	comp 2	9									X				
1325	8/10/22	soil	1	comp 3	10									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/10/22	1630		8-11-22	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8-11-22	4:15		8/12/22	10:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Project Information

Chain of Custody

STD 5day

Client: Souder Miller & Associates	Bill To
Project: 01204 Line Release	Attention: Enterprise
Project Manager: Heather Woods	Address:
Address: 2001 S Halagueno St	City, State, Zip
City, State, Zip Carlsbad, NM 88220	Phone:
Phone:	Email:
Email:	PO # 325484
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
E208070	97057-0004					

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

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
1326	8/10/22	Soil	1	comp 4	11									X				
1327	8/10/22	soil	1	comp 5	12									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/10/22	1630		8-11-22	11:34
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8-11-22	4:15	Carla Chute	8/12/22	10:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

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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Envirotech Analytical Laboratory

Printed: 8/12/2022 1:03:25PM

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:	08/12/22 10:15	Work Order ID:	E208070
Phone:	(575) 200-5443	Date Logged In:	08/12/22 09:24	Logged In By:	Caitlin Christian
Email:		Due Date:	08/18/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

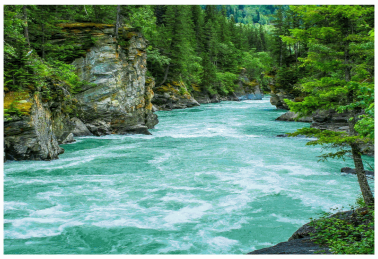
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Heather Woods



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:	OIZOJ4
Work Order:	E208180
Job Number:	97057-0001
Received:	8/31/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/22

Date Reported: 9/1/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: OIZOJ4
Workorder: E208180
Date Received: 8/31/2022 10:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/31/2022 10:00:00AM, under the Project Name: OIZOJ4.

The analytical test results summarized in this report with the Project Name: OIZOJ4 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/01/22 15:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 1 @ 1	E208180-01A	Soil	08/29/22	08/31/22	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/1/2022 3:21:45PM

Comp 1 @ 1

E208180-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2236035
Benzene	ND	0.0250	1	08/31/22	08/31/22	
Ethylbenzene	ND	0.0250	1	08/31/22	08/31/22	
Toluene	**0.0745**	0.0250	1	08/31/22	08/31/22	
o-Xylene	ND	0.0250	1	08/31/22	08/31/22	
p,m-Xylene	**0.0690**	0.0500	1	08/31/22	08/31/22	
Total Xylenes	**0.0690**	0.0250	1	08/31/22	08/31/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*08/31/22*	*08/31/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/31/22*	*08/31/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/31/22*	*08/31/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2236035
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/22	08/31/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*08/31/22*	*08/31/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/31/22*	*08/31/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/31/22*	*08/31/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2236033
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	08/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	08/31/22	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*08/31/22*	*08/31/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2236026
Chloride	ND	20.0	1	08/30/22	08/31/22	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/1/2022 3:21:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2236035-BLK1)									Prepared: 08/31/22 Analyzed: 08/31/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2236035-BS1)									Prepared: 08/31/22 Analyzed: 08/31/22
Benzene	2.14	0.0250	2.50		85.7	70-130			
Ethylbenzene	2.21	0.0250	2.50		88.4	70-130			
Toluene	2.12	0.0250	2.50		84.6	70-130			
o-Xylene	2.09	0.0250	2.50		83.5	70-130			
p,m-Xylene	4.09	0.0500	5.00		81.9	70-130			
Total Xylenes	6.18	0.0250	7.50		82.4	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
LCS Dup (2236035-BSD1)									Prepared: 08/31/22 Analyzed: 08/31/22
Benzene	1.97	0.0250	2.50		78.9	70-130	8.36	23	
Ethylbenzene	2.13	0.0250	2.50		85.3	70-130	3.59	27	
Toluene	2.03	0.0250	2.50		81.3	70-130	4.00	24	
o-Xylene	2.00	0.0250	2.50		80.1	70-130	4.18	27	
p,m-Xylene	3.93	0.0500	5.00		78.7	70-130	3.96	27	
Total Xylenes	5.94	0.0250	7.50		79.2	70-130	4.04	27	
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/1/2022 3:21:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2236035-BLK1)									Prepared: 08/31/22 Analyzed: 08/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2236035-BS2)									Prepared: 08/31/22 Analyzed: 08/31/22
Gasoline Range Organics (C6-C10)	55.6	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
LCS Dup (2236035-BSD2)									Prepared: 08/31/22 Analyzed: 08/31/22
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130	2.64	20	
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/1/2022 3:21:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2236033-BLK1)									Prepared: 08/31/22 Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*38.6*		*50.0*		*77.2*	*50-200*			
LCS (2236033-BS1)									Prepared: 08/31/22 Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
Surrogate: n-Nonane	*42.3*		*50.0*		*84.5*	*50-200*			
Matrix Spike (2236033-MS1)				**Source: E208167-04**					Prepared: 08/31/22 Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132			
Surrogate: n-Nonane	*29.8*		*50.0*		*59.6*	*50-200*			
Matrix Spike Dup (2236033-MSD1)				**Source: E208167-04**					Prepared: 08/31/22 Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132	0.139	20	
Surrogate: n-Nonane	*31.5*		*50.0*		*63.0*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	OIZOJ4	**Reported:**
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/1/2022 3:21:45PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2236026-BLK1)									Prepared: 08/30/22 Analyzed: 08/30/22
Chloride	ND	20.0							
LCS (2236026-BS1)									Prepared: 08/30/22 Analyzed: 08/31/22
Chloride	271	20.0	250		109	90-110			
Matrix Spike (2236026-MS1)				**Source: E208176-01**					Prepared: 08/30/22 Analyzed: 08/31/22
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2236026-MSD1)				**Source: E208176-01**					Prepared: 08/30/22 Analyzed: 08/31/22
Chloride	272	20.0	250	ND	109	80-120	0.0389	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:	OIZOJ4	
201 S Halagueno St.	Project Number:	97057-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/01/22 15:21

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: Souder Miller + Associates
Project: 012074 Heather Woods
Project Manager:
Address: 201 Halagueno
City, State, Zip Carlsbad NM 88220
Phone:
Email:
Report due by:

Bill To
Attention: Enterprise
Address:
City, State, Zip
Phone:
Email:
WO# RD22121

Lab Use Only
Lab WO# E208180
Job Number 97059-0001

TAT: 1D X, 3D

EPA Program: RCRA, CWA, SDWA

State: NM X, CO, UT, AZ; TX, OK

Analysis and Method: DRO/ORO by 8015; GRO/DRO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC - NM X; BGDOC - TX

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks
1259	8/29/22	Soil	1	Comp 1 @ 1	1	

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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

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

	Date	Time		Date	Time
Relinquished by: (Signature)	8/29/22	2:25	Received by: (Signature)	8-30-22	2:16
Relinquished by: (Signature)	8-30-22	4:15	Received by: (Signature)	8/31/22	10:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 8/31/2022 11:35:31AM

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:	08/31/22 10:00	Work Order ID:	E208180
Phone:	(575) 200-5443	Date Logged In:	08/31/22 08:22	Logged In By:	Caitlin Christian
Email:		Due Date:	08/31/22 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	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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

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

CONDITIONS

Action 149333

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 149333
	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 #NAPP2221323678 OIZOJ4 LINE, thank you. This closure is approved.	12/21/2022