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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Robert Dunaway Title: Senior Environmental Engineer

Signature: Date: 05/17/2022

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

Form C-141 State of New Mexico
Page 2 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: Jennifer Nobui Date: 05/23/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

May 16, 2022

#5E31002-BG2

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

SUBJECT: Remediation Closure Report for the Line 1003 Pipeline Release (NAPP2203131958), Eddy County, New Mexico

## 1.0 Executive Summary

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a natural gas and condensate release related to oil and gas production activities at the Line 1003 Pipeline Release (NAPP2203131958). The release site is located in Unit D, Section 13, Township 25S, Range 28E, Eddy County, New Mexico, on private land. 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 releases associated with the Line 1003 Pipeline Release (NAPP2203131958) be closed.**

Table 1 summarizes release information and Closure Criteria.

| Table 1: Release Information and Closure Criteria | | | |
|---|---|---|---|
| Name | Line 1003 Pipeline | Company | Enterprise Field Services LLC |
| API Number | N/A | Location | 32.13669, -104.04621 |
| Tracking Number | NAPP2203131958 | | |
| Estimated Date of Release | January 28, 2022 | Date Reported to NMOCD | February 2, 2022 |
| Land Owner | Private | Reported To | NMOCD District II |
| Source of Release | Leak on a gathering pipeline | | |
| Released Volume | 46 Mcf, 5 bbl | Released Material | Natural Gas, Condensate/Produced Water |
| Recovered Volume | 0 Mcf, 0 bbl | Net Release | 46 Mcf, 5 bbl |
| NMOCD Closure Criteria | <50 feet | | |



Released to Imaging: 5/23/2022 10:25:56 AM

| | |
|---|---|
| SMA Response Dates | February 2, 2022 and April 26, 2022 |

## 2.0 Background

On January 28, 2022, a natural gas and condensate/produced water release was discovered at the Line 1003 Pipeline site. Initial response activities were conducted by Enterprise, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. A copy of the initial C-141 form is included in Appendix A.

## 3.0 Site Information and Closure Criteria

The Line 1003 Pipeline site is located approximately 6 miles southeast of Malaga, New Mexico on privately-owned land at an elevation of approximately 2,891 feet above mean sea level (amsl).

Depth to Groundwater

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 did not yield any results within ½-mile of the site (Appendix B). Thus, depth to groundwater is considered to be less than 50 feet below grade surface (bgs) for Closure Criteria determinations.

Wellhead Protection Area

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

Distance to Nearest Significant Watercourse

The release site is located approximately 205 feet west of a tributary of Salt Draw and lies within the boundaries of a FEMA flood zone.

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

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

## 4.0 Release Characterization and Remediation Activities

On February 2, 2022, following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling.

Eighteen (18) composite confirmation samples were collected from the excavation for laboratory analysis for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix C. To demonstrate elevated background chloride concentrations, seven (7) discreet samples were collected on February 2 and 22, 2022, at varying depths ranging from surface to four (4) feet bgs for laboratory analysis for chloride using USEPA Method 300.0.

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.

The final remediation excavation resulted in an irregular nonlinear polygon with a linear length of approximately 195 feet with a width varying from 3 to 4 feet and depths ranging from 1 to 5 feet bgs.

Excavation extents and closure confirmation sample locations are depicted in 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.

At the request of NMOCD, SMA returned to site on April 26, 2022, to collect two additional background samples (BG4-BG5). Samples were collected at one-foot intervals from the surface to four (4) feet bgs. 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 NAPP2203131958.

## 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 Ashley Maxwell at 505-320-8975.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

Ashley Maxwell
Project Scientist

Reid S. Allan, P.G.
Sr. Vice President

**REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 1/31/2022

**ATTACHMENTS:**

**Figures:**

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

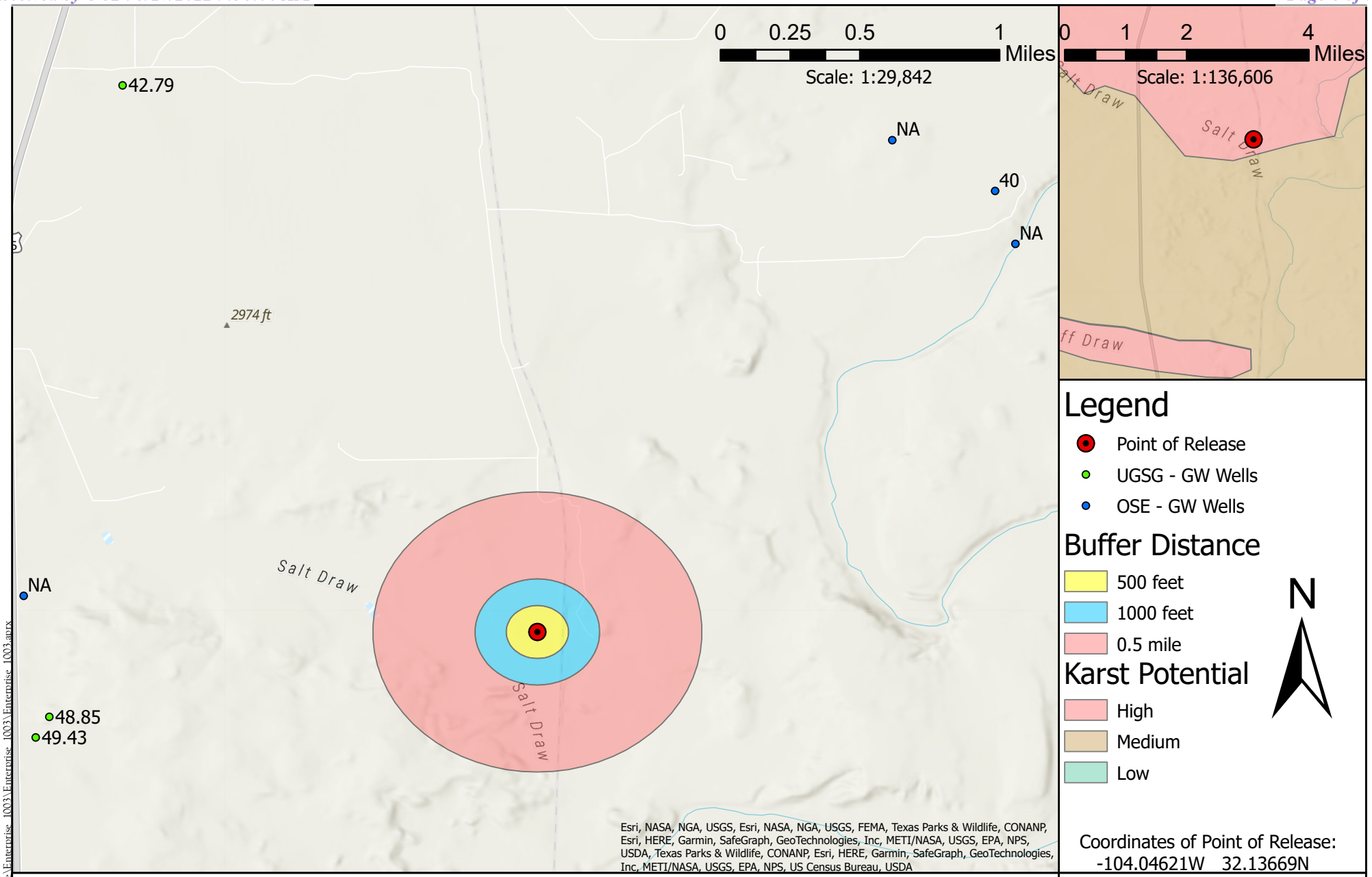
**Tables:**

Table 2: NMOCD Closure Criteria Justification
Table 3: Summary of Sample Results

**Appendices:**

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

# FIGURES




*Site Map*

*Line 1003 - Enterprise Field Products*

*UL: D S: 13 T: 25S R: 28E, Eddy County, New Mexico*

*Figure 1*

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Date Saved: 3/22/2022

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

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Drawn Sarahmay Schlea
Date 3/22/2022
Checked
Approved

SMA
Souder, Miller & Associates
Engineering • Environmental
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Carlsbad, New Mexico 88221
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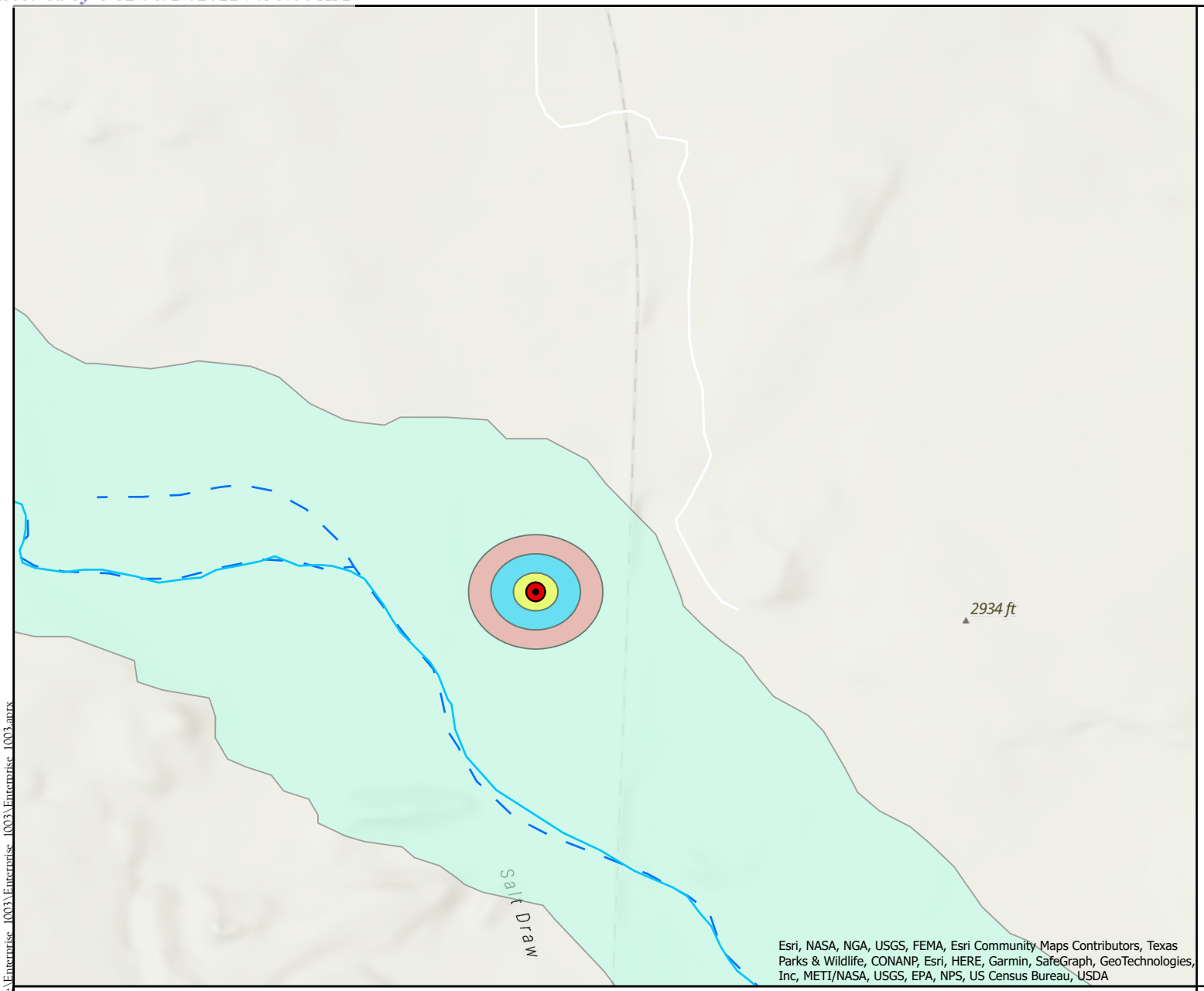


## Legend

- Point of Release
- Streams/Canals/Rivers
- Flowlines_SENM
- FEMA Flood Zones

### Buffer Distance (ft)

- 100
- 200
- 300

0 375 750 1,500

Feet

Scale: 1:9,387

N

Coordinates of Point of Release:
-104.04621W 32.13669N

*Surface Water Protection Map*
*Line 1003 - Enterprise Field Products*
*UL: D S: 13 T: 25S R: 28E, Eddy County, New Mexico*

*Figure 2*

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Date Saved: 3/22/2022

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

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Drawn Sarahmay Schlea
Date 3/22/2022
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Approved

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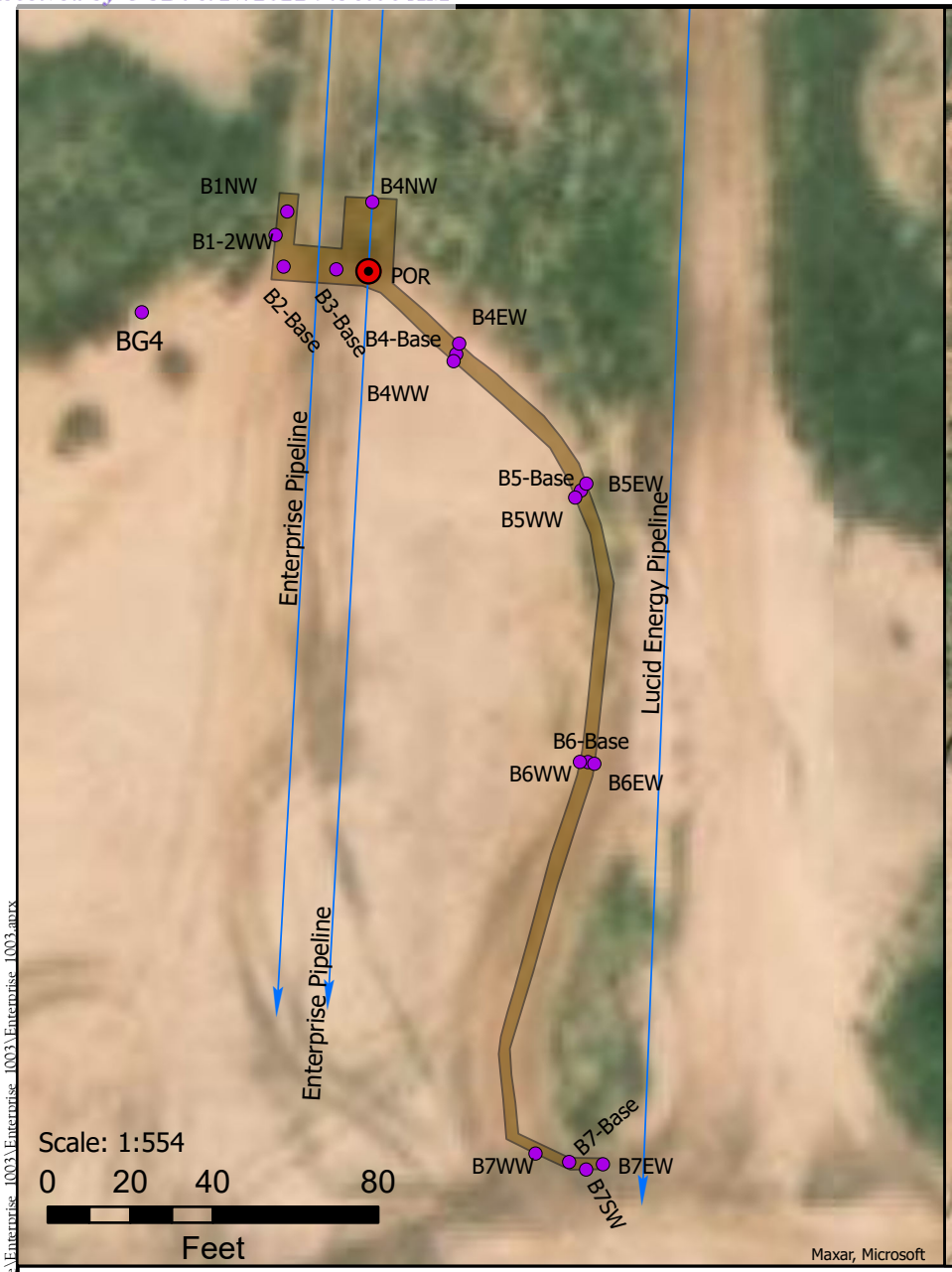


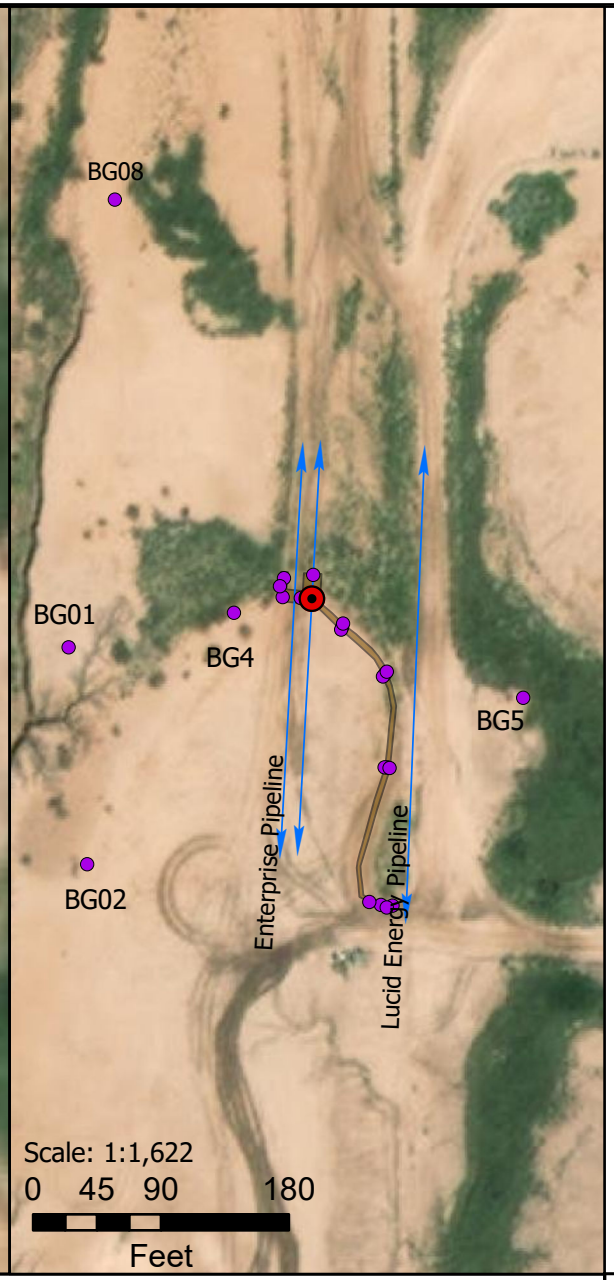


## Legend

- ReleaseArea
- Pipeline

### GPS Points

- Sample
- Point of Release

N

Coordinates of Point of Release:
-104.04621W 32.13669N

*Site and Sample Location Map*
*Line 1003 - Enterprise Field Products*
*UL: D S: 13 T: 25S R: 28E, Eddy County, New Mexico*

*Figure 3*

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

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Drawn Sarahmay Schlea
Date 5/6/2022
Checked
Approved

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Date Saved: 5/6/2022

# TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services
Line 1003
napp2203131958

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

| Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC) | | | | | | |
|---|---|---|---|---|---|---|
| **Depth to Groundwater** | | **Closure Criteria (units in mg/kg)** | | | | |
| | | **Chloride** *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? | no | | | | | |
| <1000' from fresh water well or spring? | no | | | | | |
| **Human and Other Areas** | | | | | | |
| <300' from an occupied permanent residence, school, hospital, institution or church? | no | | | | | |
| within incorporated municipal boundaries or within a defined municipal fresh water well field? | no | | | | | |
| <100' from wetland? | no | | | | | |
| within area overlying a subsurface mine | no | | | | | |
| within an unstable area? | **Yes** | | | | | |
| within a 100-year floodplain? | **Yes** | | | | | |

Table 3:
Sample Results

Enterprise Field Services
Line 1003
napp2203131958

| Sample ID | Sample Date | Depth of Sample (feet bgs) | Method 8021B | | Method 8015D | | | | Method 300.0 |
|---|---|---|---|---|---|---|---|---|---|
| | | | BTEX | Benzene | GRO | DRO | MRO | Total TPH | Cl- |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| **NMOCD Closure Criteria** | | | **50** | **10** | | | | **100** | |
| Back Ground 08 | 2/2/2022 | surface | -- | -- | -- | -- | -- | -- | **4,980** |
| BG01 | 2/22/2022 | surface | -- | -- | -- | -- | -- | -- | **43,100** |
| | 2/22/2022 | 2 | -- | -- | -- | -- | -- | -- | **11,500** |
| | 2/22/2022 | 3 | -- | -- | -- | -- | -- | -- | **8,100** |
| BG02 | 2/22/2022 | surface | -- | -- | -- | -- | -- | -- | **16,500** |
| | 2/22/2022 | 2 | -- | -- | -- | -- | -- | -- | **8,430** |
| | 2/22/2022 | 4 | -- | -- | -- | -- | -- | -- | **6,330** |
| BG4 | 4/26/2022 | surface | -- | -- | -- | -- | -- | -- | **2,730** |
| | | 1 | -- | -- | -- | -- | -- | -- | **4,500** |
| | | 2 | -- | -- | -- | -- | -- | -- | **4,940** |
| | | 3 | -- | -- | -- | -- | -- | -- | **5,300** |
| | | 4 | -- | -- | -- | -- | -- | -- | **4,470** |
| BG5 | 4/26/2022 | surface | -- | -- | -- | -- | -- | -- | **51,700** |
| | | 1 | -- | -- | -- | -- | -- | -- | **5,870** |
| | | 2 | -- | -- | -- | -- | -- | -- | **5,590** |
| | | 3 | -- | -- | -- | -- | -- | -- | **4,590** |
| | | 4 | -- | -- | -- | -- | -- | -- | **3,390** |
| B-01-NW | 2/2/2022 | 1 | **0.184** | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **5,350** |
| B-02-Base | 2/2/2022 | 2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **12,500** |
| B-1-2-WW | 2/2/2022 | 1 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **10,700** |
| B-03-Base | 2/2/2022 | 1 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **8,960** |
| B-04-Base | 2/2/2022 | 5 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **6,280** |
| B-04-NW | 2/2/2022 | 0-5 | <0.100 | <0.0250 | **30.3** | <25.0 | <50.0 | **30.3** | **9,550** |
| B-04-EW | 2/2/2022 | 0-5 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **9,700** |
| B-04-WW | 2/2/2022 | 0-5 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **8,850** |
| B-05-Base | 2/2/2022 | 2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **14,700** |
| B-05-EW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **14,600** |
| B-05-WW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **13,400** |
| B-06-Base | 2/2/2022 | 2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **7,260** |
| B-06-EW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **13,600** |
| B-06-WW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **11,000** |
| B-07-Base | 2/2/2022 | 2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **13,500** |
| B-07-SW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **10,000** |
| B-07-EW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **9,730** |
| B-07-WW | 2/2/2022 | 0-2 | <0.100 | <0.0250 | <20.0 | <25.0 | <50.0 | <95.0 | **11,500** |

"*" Based on BG sample

# APPENDIX A

# FORM C141

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 | NAPP2203131958 |
| 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)* | nAPP2203131958 |
| Contact mailing address | PO Box 4324, Houston, TX 77210 | | |

## Location of Release Source

Latitude 32.13669 Longitude -104.04621
*(NAD 83 in decimal degrees to 5 decimal places)*

| | | | |
|---|---|---|---|
| Site Name | Line 1003 Pipeline | Site Type | Gathering Pipeline |
| Date Release Discovered | 01/28/2022 | API# *(if applicable)* | |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| D | 13 | 25S | 28E | Eddy |

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

## 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) -5- | Volume Recovered (bbls) -0- |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☒ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☒ Natural Gas | Volume Released (Mcf) -46- | 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.

State of New Mexico
Oil Conservation Division



| | |
|---|---|
| Incident ID | NAPP2203131958 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☐ 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: R. Dunaway  Date: 2/2/22

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

**OCD Only**

Received by: Ramona Marcus  Date: 2/9/2022

**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:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>76779 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| rmarcus | None | 2/9/2022 |

# APPENDIX B

# WATER WELL DATA



Released to Imaging: 5/23/2022 10:25:56 AM

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

No records found.

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 589958.47 **Northing (Y):** 3555985.23 **Radius:** 3200

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

# APPENDIX C

# SAMPLING PROTOCOL

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

## Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Laboratory in Farmington, New Mexico for analysis. A total of fifteen (25) 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 and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

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

# APPENDIX D

# FIELD NOTES

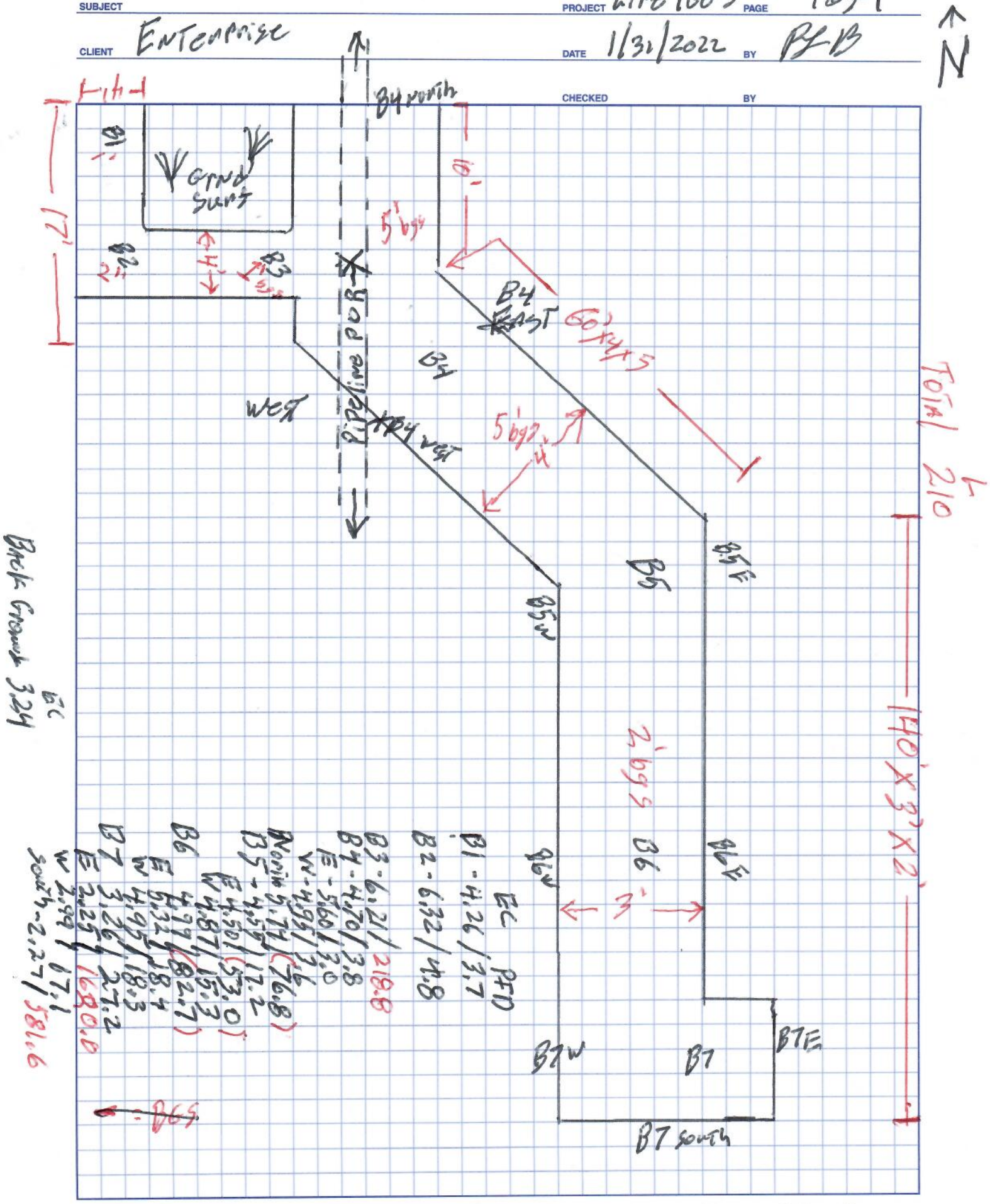
# &

# PHOTO LOG

SUBJECT PROJECT Hire 1003 PAGE 1 of 1

CLIENT Enterprise DATE 1/31/2022 BY BJB

CHECKED BY



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# Field Screening

PF 13

Pg. 2 of 2

**Location Name:** Live 1003 New Enterprise

**Date:** 1/31/22

| Sample Name: | Collection Time: | EC (mS) | Temp (°C) | PID Reading /PF | Soil Color | Primary Soil Type | Moisture Level | Other Remarks/Notes: |
|---|---|---|---|---|---|---|---|---|
| B 6 @ 2' bgs | | 4.99 | 18.5 | 82.7 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| E 1-2' | | 5.32 | 18.4 | 10.6 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| W 1-2' | | 4.95 | 18.3 | 5.0 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| B 7 @ 2' | | 3.26 | 18.3 | 27.2 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| E 1-2' | | 2.25 | 18.3 | 1620.0 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| W 1-2' | | 2.99 | 18.3 | 17.1 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| South end 1-2' | | 2.27 | 18.1 | 581.6 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| Back Ground BG 6" - 2' | 1530 | 3.24 | 22.0 | 4.2 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | Taken @ 6" to 2' bgs |
| | | | | | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |

Received by OCD: 5/17/2022 9:36:04 AM

Released to Imaging: 5/23/2022 10:25:56 AM

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SMA **Field Screening** DFB Pg. 1 of 2

**Location Name:** Line 1003 New Enterprise **Date:** 1/31/22

| Sample Name: | Collection Time: | EC (mS) | Temp (°C) | PID Reading /PF | Soil Color | Primary Soil Type | Moisture Level | Other Remarks/Notes: |
|---|---|---|---|---|---|---|---|---|
| B1 @ 1' bgs | | 4.26 | 19.6 | 3.7 | Light Tan Gray Yellow **Dark Brown** Olive Red | Gravel Rock Sand Silt **Clay** | Dry **Moist** Wet | Dark Brown with speckled white |
| B2 @ 2' | | 6.32 | 20.1 | 4.8 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| B3 @ 1' | | 6.21 | 20.1 | 218.8 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| B4 @ 5' | | 4.70 | 18.8 | 3.8 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| ↓ E 3-5' | | 5.60 | 18.8 | 3.0 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| ↓ W 3-5' | | 4.95 | 18.3 | 3.6 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| B5 @ 2' | | ~~4.55~~ 4.19 | ~~18.4~~ 18.4 | 17.2 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| ↓ E 1-2' | | 4.50 | 18.4 | 53.0 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| ↓ W 1-2' | | 4.81 | 18.3 | 15.3 | Light Dark Tan Brown Gray Olive Yellow Red | Gravel Rock Sand Silt Clay | Dry Moist Wet | |
| B4 - North 3-5' | | 5.14 | 18.3 | 76.8 | | | | |

Received by OCD: 5/17/2022 9:36:04 AM

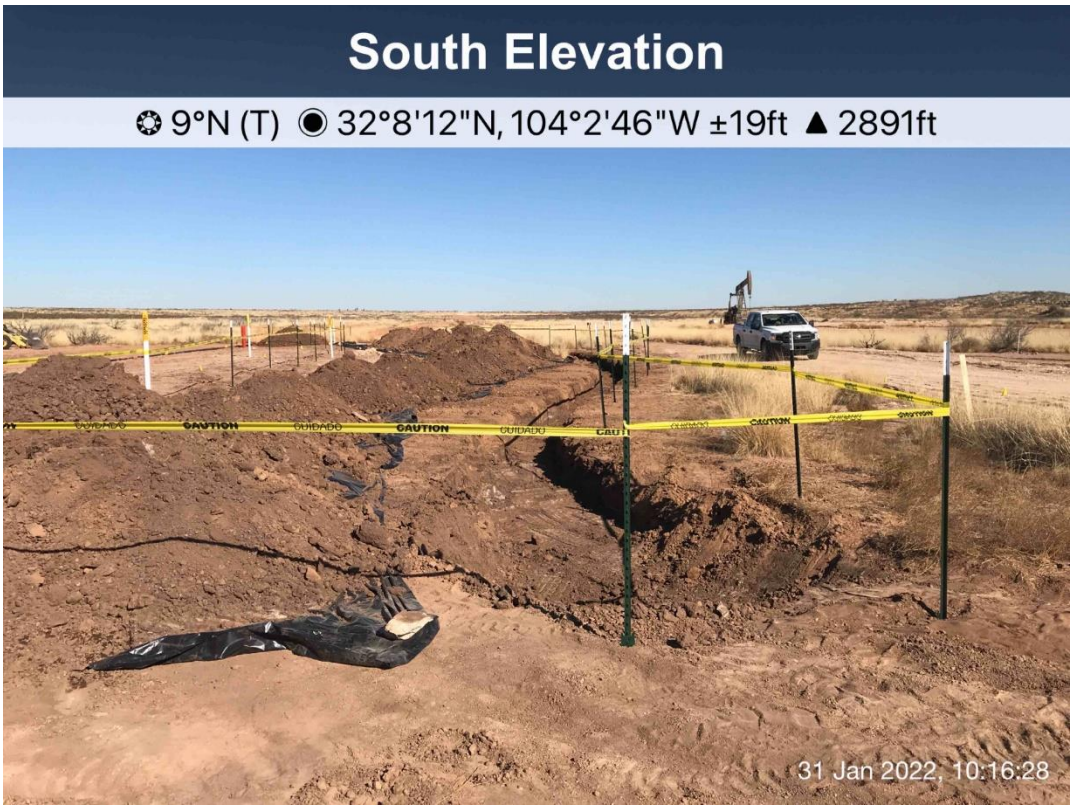
Released to Imaging: 5/23/2022 10:25:56 AM

## North Elevation

165°S (T) 32°8'14"N, 104°2'46"W ±39ft ▲ 2892ft


## North Elevation

191°S (T) 32°8'13"N, 104°2'46"W ±19ft ▲ 2891ft


South Elevation
9°N (T) 32°8'12"N, 104°2'46"W ±19ft 2891ft
CAUTION
CUIDADO
31 Jan 2022, 10:16:28


W
270
NW
300
330
N
0
NE
30
60
348° (T) 32.137208, -104.046489 ±6 m 856 m
26 Apr 2022, 10:53:17


NW
330
N
0
30
NE
60
E
90
120
35°NE (T) 32.137112, -104.045925 ±4 m ▲ 844 m
26 Apr 2022, 11:09:50

# APPENDIX E

# LABORATORY ANALYTICAL REPORTS

Report to:

Ashley Maxwell

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: | Wine 1003 |
| Work Order: | E202026 |
| Job Number: | 97057-0001 |
| Received: | 2/7/2022 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/15/22

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: 2/15/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Wine 1003
Workorder: E202026
Date Received: 2/7/2022 9:47:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2022 9:47:00AM, under the Project Name: Wine 1003.

The analytical test results summarized in this report with the Project Name: Wine 1003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Table of Contents (continued)

# Sample Summary

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 02/15/22 09:12 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| B-01-NW | E202026-01A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-02-Base | E202026-02A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-1-2-WW | E202026-03A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-03-Base | E202026-04A | Solid | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-04-Base | E202026-05A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-04-NW | E202026-06A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-04-EW | E202026-07A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-04-WW | E202026-08A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-05-Base | E202026-09A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-05-EW | E202026-10A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-05-WW | E202026-11A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-06-Base | E202026-12A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-06-EW | E202026-13A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-06-WW | E202026-14A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-07-Base | E202026-15A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-07-SW | E202026-16A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-07-EW | E202026-17A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| B-07-WW | E202026-18A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |
| Back Ground - 08 | E202026-19A | Soil | 02/02/22 | 02/07/22 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

**B-01-NW**

**E202026-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | **0.0776** | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | **0.0287** | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | **0.0768** | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | **0.106** | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.7 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *100 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *116 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **5350** | 40.0 | 2 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-02-Base

**E202026-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.1 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.5 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *122 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **12500** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

**B-1-2-WW**

**E202026-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.9 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *108 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **10700** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-03-Base

**E202026-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.0 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *100 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *121 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **8960** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-04-Base

**E202026-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.5 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.3 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *118 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **6280** | 200 | 10 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

**B-04-NW**

**E202026-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.0 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.2 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | **30.3** | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *116 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **9550** | 200 | 10 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-04-EW

**E202026-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.0 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.5 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *112 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **9700** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-04-WW

**E202026-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.5 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *113 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **8850** | 200 | 10 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-05-Base

**E202026-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.5 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *113 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **14700** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-05-EW

**E202026-10**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.2 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.0 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *109 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **14600** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

**B-05-WW**

**E202026-11**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/07/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/07/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/07/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/07/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/07/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/07/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.5 %* | *70-130* | *02/07/22* | *02/07/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/07/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.3 %* | *70-130* | *02/07/22* | *02/07/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *115 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **13400** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-06-Base

**E202026-12**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.4 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *116 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **7260** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-06-EW

**E202026-13**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.3 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *101 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *117 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **13600** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-06-WW

## E202026-14

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.9 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.4 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *122 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **11000** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-07-Base

**E202026-15**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *96.2 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *100 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *115 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **13500** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-07-SW

**E202026-16**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *95.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *116 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **10000** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-07-EW

## E202026-17

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *95.8 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.3 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *121 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **9730** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## B-07-WW

**E202026-18**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Benzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| Toluene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| o-Xylene | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/07/22 | 02/08/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *95.7 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2207007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/07/22 | 02/08/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.6 %* | *70-130* | *02/07/22* | *02/08/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2207049 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/11/22 | 02/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/11/22 | 02/12/22 | |
| *Surrogate: n-Nonane* | | *115 %* | *50-200* | *02/11/22* | *02/12/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **11500** | 400 | 20 | 02/09/22 | 02/09/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## Back Ground - 08

**E202026-19**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2207025 |
| Chloride | **4980** | 400 | 20 | 02/09/22 | 02/09/22 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## Volatile Organics by EPA 8021B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2207007-BLK1)** | | | | | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.82* | | *8.00* | | *97.8* | *70-130* | | | |
| **LCS (2207007-BS1)** | | | | | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Benzene | 4.60 | 0.0250 | 5.00 | | 92.0 | 70-130 | | | |
| Ethylbenzene | 4.63 | 0.0250 | 5.00 | | 92.6 | 70-130 | | | |
| Toluene | 4.75 | 0.0250 | 5.00 | | 95.0 | 70-130 | | | |
| o-Xylene | 4.73 | 0.0250 | 5.00 | | 94.6 | 70-130 | | | |
| p,m-Xylene | 9.41 | 0.0500 | 10.0 | | 94.1 | 70-130 | | | |
| Total Xylenes | 14.1 | 0.0250 | 15.0 | | 94.2 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.98* | | *8.00* | | *99.8* | *70-130* | | | |
| **Matrix Spike (2207007-MS1)** | | | | **Source: E202026-11** | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Benzene | 4.49 | 0.0250 | 5.00 | ND | 89.7 | 54-133 | | | |
| Ethylbenzene | 4.50 | 0.0250 | 5.00 | ND | 90.0 | 61-133 | | | |
| Toluene | 4.63 | 0.0250 | 5.00 | ND | 92.5 | 61-130 | | | |
| o-Xylene | 4.60 | 0.0250 | 5.00 | ND | 92.0 | 63-131 | | | |
| p,m-Xylene | 9.15 | 0.0500 | 10.0 | ND | 91.5 | 63-131 | | | |
| Total Xylenes | 13.7 | 0.0250 | 15.0 | ND | 91.6 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.09* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike Dup (2207007-MSD1)** | | | | **Source: E202026-11** | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Benzene | 4.49 | 0.0250 | 5.00 | ND | 89.8 | 54-133 | 0.0847 | 20 | |
| Ethylbenzene | 4.52 | 0.0250 | 5.00 | ND | 90.3 | 61-133 | 0.318 | 20 | |
| Toluene | 4.63 | 0.0250 | 5.00 | ND | 92.7 | 61-130 | 0.191 | 20 | |
| o-Xylene | 4.61 | 0.0250 | 5.00 | ND | 92.1 | 63-131 | 0.176 | 20 | |
| p,m-Xylene | 9.18 | 0.0500 | 10.0 | ND | 91.8 | 63-131 | 0.337 | 20 | |
| Total Xylenes | 13.8 | 0.0250 | 15.0 | ND | 91.9 | 63-131 | 0.283 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.03* | | *8.00* | | *100* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## 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 (2207007-BLK1)** | | | | | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.92* | | *8.00* | | *99.0* | *70-130* | | | |
| **LCS (2207007-BS2)** | | | | | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Gasoline Range Organics (C6-C10) | 53.1 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.10* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike (2207007-MS2)** | | | | **Source: E202026-11** | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Gasoline Range Organics (C6-C10) | 52.7 | 20.0 | 50.0 | ND | 105 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.09* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike Dup (2207007-MSD2)** | | | | **Source: E202026-11** | | | | | Prepared: 02/07/22 Analyzed: 02/07/22 |
| Gasoline Range Organics (C6-C10) | 49.6 | 20.0 | 50.0 | ND | 99.2 | 70-130 | 6.11 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.00* | | *8.00* | | *99.9* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## 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 (2207049-BLK1)** | | | | | | | | | Prepared: 02/11/22 Analyzed: 02/12/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *44.9* | | *50.0* | | *89.9* | *50-200* | | | |
| **LCS (2207049-BS1)** | | | | | | | | | Prepared: 02/11/22 Analyzed: 02/12/22 |
| Diesel Range Organics (C10-C28) | 586 | 25.0 | 500 | | 117 | 38-132 | | | |
| *Surrogate: n-Nonane* | *51.7* | | *50.0* | | *103* | *50-200* | | | |
| **Matrix Spike (2207049-MS1)** | | | | **Source: E202026-01** | | | | | Prepared: 02/11/22 Analyzed: 02/12/22 |
| Diesel Range Organics (C10-C28) | 591 | 25.0 | 500 | ND | 118 | 38-132 | | | |
| *Surrogate: n-Nonane* | *56.4* | | *50.0* | | *113* | *50-200* | | | |
| **Matrix Spike Dup (2207049-MSD1)** | | | | **Source: E202026-01** | | | | | Prepared: 02/11/22 Analyzed: 02/12/22 |
| Diesel Range Organics (C10-C28) | 605 | 25.0 | 500 | ND | 121 | 38-132 | 2.32 | 20 | |
| *Surrogate: n-Nonane* | *54.8* | | *50.0* | | *110* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Wine 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 2/15/2022 9:12:57AM |

## 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 (2207025-BLK1)** | | | | | | | | | Prepared: 02/09/22 Analyzed: 02/09/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2207025-BS1)** | | | | | | | | | Prepared: 02/09/22 Analyzed: 02/09/22 |
| Chloride | 251 | 20.0 | 250 | | 100 | 90-110 | | | |
| **Matrix Spike (2207025-MS1)** | | | | **Source: E202026-01** | | | | | Prepared: 02/09/22 Analyzed: 02/09/22 |
| Chloride | 5510 | 40.0 | 250 | 5350 | 63.6 | 80-120 | | | M5 |
| **Matrix Spike Dup (2207025-MSD1)** | | | | **Source: E202026-01** | | | | | Prepared: 02/09/22 Analyzed: 02/09/22 |
| Chloride | 5550 | 40.0 | 250 | 5350 | 78.9 | 80-120 | 0.691 | 20 | M5 |

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: | Wine 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 02/15/22 09:12 |

| | |
|---|---|
| M5 | The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

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

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

Released to Imaging: 5/23/2022 10:25:56 AM
Received by OCD: 5/17/2022 9:36:04 AM

Project information | Chain of Custody | Page 1 of 2

STD

| | |
|---|---|
| Client: | SMA Carlsbad |
| Project: | Wine 1003 |
| Project Manager: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | Ashley Maxwell |
| Report due by: | |

**Bill To**

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

**Lab Use Only**

Lab WO# PE2202269705 7-0001 | Job Number

**TAT**: 1D | 3D

**EPA Program**: RCRA | CWA | SDWA

**State**: NM | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0900 | 2/2/22 | Soil | 1 | B-01-NW | 1 | | | | | | | | | X | | | | |
| 0910 | | | 1 | B-02-Base | 2 | | | | | | | | | | | | | |
| 0920 | | | 1 | B-12-WW | 3 | | | | | | | | | | | | | |
| 0925 | | | 1 | B-03-Base | 4 | | | | | | | | | | | | | |
| 0935 | | | 1 | B-04-Base | 5 | | | | | | | | | | | | | |
| 0940 | | | 1 | B-04-NW | 6 | | | | | | | | | | | | | |
| 0945 | | | 1 | B-04-EW | 7 | | | | | | | | | | | | | |
| 0950 | | | 1 | B-04-WW | 8 | | | | | | | | | | | | | |
| 1005 | | | 1 | B-05-Base | 9 | | | | | | | | | | | | | |
| 1015 | ↓ | ↓ | 1 | B-05-EW | 10 | | | | | | | | | X | | | | |

**Additional Instructions:**

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

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

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 2/4/22 | 1152 | | 2-4-22 | 11:52 |
| | 2-4-22 | 12:52 | Caitlin Christian | 2/7/22 | 9:47 |
| | | | | | |

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

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

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

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



envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24-hour Emergency Response Phone (800) 362-1879
Ph (505) 632-0615 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Page 59 of 94

Released to Imaging: 5/23/2022 10:25:56 AM
Received by OCD: 5/17/2022 9:36:04 AM

Project Information | Chain of Custody | Page 2 of 2

| | |
|---|---|
| Client: | SMA-Carlsbad |
| Project: | Line 1003 |
| Project Manager: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | Ashley Maxwell |
| Report due by: | |

**Bill To**

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

**Lab Use Only**

| Lab WO# | Job Number |
|---|---|
| PE2020246 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1020 | 2/2/22 | Soil | 1 | B-05 - WW | 11 | | | | | | | | | X | | | | |
| 1035 | | | 1 | B-06 - Base | 12 | | | | | | | | | | | | | |
| 1040 | | | 1 | B-06 - EW | 13 | | | | | | | | | | | | | |
| 1045 | | | 1 | B-06 - WW | 14 | | | | | | | | | | | | | |
| 1050 | | | 1 | B-07 - Base | 15 | | | | | | | | | | | | | |
| 1055 | | | 1 | B-07 - SW | 16 | | | | | | | | | | | | | |
| 1100 | | | 1 | B-07 - EW | 17 | | | | | | | | | | | | | |
| 1110 | | | 1 | B-07 - WW | 18 | | | | | | | | | X | | | | |
| 1130 | ↓ | ↓ | 1 | Back Ground - 08 | 19 | | | | | | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**Additional Instructions:**

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

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

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 2/4/2022 | 1152 | | 2-4-22 | 11:52 |
| | 2-4-22 | 12:53 | Courtney Chastain | 2/7/22 | 9:47 |
| | | | | | |

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

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

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

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

envirotech Analytical Laboratory
envirotech-inc.com
labadmin@envirotech-inc.com

# Envirotech Analytical Laboratory

Printed: 2/7/2022 12:09:29PM

## 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: | 02/07/22 09:47 | Work Order ID: | E202026 |
| Phone: | (505) 325-7535 | Date Logged In: | 02/04/22 15:29 | Logged In By: | Caitlin Christian |
| Email: | ashley.maxwell@soudermiller.com | Due Date: | 02/11/22 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**

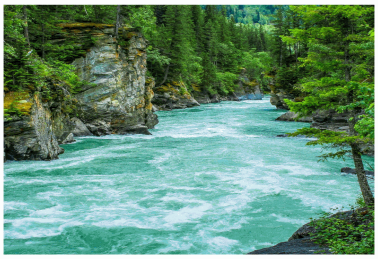
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

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

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

### Souder Miller Associates - Carlsbad

| | |
|---|---|
| Project Name: | Line 1003 |
| Work Order: | E202131 |
| Job Number: | 97057-0001 |
| Received: | 2/25/2022 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/2/22

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: 3/2/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Line 1003
Workorder: E202131
Date Received: 2/25/2022 10:15:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/25/2022 10:15:00AM, under the Project Name: Line 1003.

The analytical test results summarized in this report with the Project Name: Line 1003 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
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 03/02/22 13:11 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| BG01 @ Surf | E202131-01A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |
| BG01 @ 2' | E202131-02A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |
| BG01 @ 3' | E202131-03A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |
| BG02 @ Surf | E202131-04A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |
| BG02 @ 2' | E202131-05A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |
| BG02 @ 4' | E202131-06A | Soil | 02/22/22 | 02/25/22 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

## BG01 @ Surf

**E202131-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **43100** | 2000 | 100 | 02/28/22 | 03/01/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

**BG01 @ 2'**

**E202131-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **11500** | 1000 | 50 | 02/28/22 | 03/01/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

**BG01 @ 3'**

**E202131-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **8100** | 400 | 20 | 02/28/22 | 03/01/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

## BG02 @ Surf

**E202131-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **16500** | 1000 | 50 | 02/28/22 | 03/01/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

**BG02 @ 2'**

**E202131-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **8430** | 400 | 20 | 02/28/22 | 03/01/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

**BG02 @ 4'**

**E202131-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: KL | | | Batch: 2210017 |
| Chloride | **6330** | 400 | 20 | 02/28/22 | 03/01/22 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 3/2/2022 1:11:45PM |

## Anions by EPA 300.0/9056A

Analyst: KL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2210017-BLK1)** | | | | | | | | | Prepared: 02/28/22 Analyzed: 03/01/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2210017-BS1)** | | | | | | | | | Prepared: 02/28/22 Analyzed: 03/01/22 |
| Chloride | 247 | 20.0 | 250 | | 98.8 | 90-110 | | | |
| **Matrix Spike (2210017-MS1)** | | | | **Source: E202125-01** | | | | | Prepared: 02/28/22 Analyzed: 03/01/22 |
| Chloride | 258 | 20.0 | 250 | ND | 103 | 80-120 | | | |
| **Matrix Spike Dup (2210017-MSD1)** | | | | **Source: E202125-01** | | | | | Prepared: 02/28/22 Analyzed: 03/01/22 |
| Chloride | 258 | 20.0 | 250 | ND | 103 | 80-120 | 0.0853 | 20 | |

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

# Definitions and Notes

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 03/02/22 13:11 |

| | |
|---|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

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

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

Released to Imaging: 5/23/2022 10:25:56 AM
Received by OCD: 5/17/2022 9:36:04 AM

Project Information | Chain of Custody | Page 2 of 1

| | | | |
|---|---|---|---|
| Client: SMA Carlsbad | Bill To | Lab Use Only | TAT / EPA Program |
| Project: Line 1003 | Attention: Enterprise | Lab WO# PE202131 | Job Number 97057-0001 |
| Project Manager: | Address: | 1D 3D | RCRA CWA SDWA |
| Address: | City, State, Zip | | |
| City, State, Zip | Phone: | | |
| Phone: | Email: WO# | | |
| Email: Ashley Maxwell | PO325484 | | |
| Report due by: | | | |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1030 | 2/22/22 | Soil | 1 | BG 01 @ Surf | 1 | | | | | | X | | |
| 1036 | | | 1 | BG 01 @ 2' | 2 | | | | | | | | |
| 1040 | | | 1 | BG 01 @ 3' | 3 | | | | | | | | |
| 1125 | | | 1 | BG 02 @ Surf | 4 | | | | | | | | |
| 1135 | | | 1 | BG 02 @ 2' | 5 | | | | | | | | |
| 1150 | ↓ | ↓ | 1 | BG 02 @ 4' | 6 | | | | | | X | | |

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

Remarks

**Additional Instructions:**

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

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

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 2/23/22 | 1025 | | 2.23.22 | 1025 |
| | 2.23.22 | 1525 | Caitlin Christian | 2/25/22 | 10:15 |
| | | | | | |

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

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

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

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

envirotech Analytical Laboratory

envirotech-inc.com
labadmin@envirotech-inc.com

# Envirotech Analytical Laboratory

Printed: 2/25/2022 10:53:33AM

## 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: | 02/25/22 10:15 | Work Order ID: | E202131 |
| Phone: | (505) 325-7535 | Date Logged In: | 02/24/22 10:18 | Logged In By: | Caitlin Christian |
| Email: | ashley.maxwell@soudermiller.com | Due Date: | 03/02/22 17:00 (3 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: Fed Ex |
| 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? | No |

**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? | No |
| 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:

Ashley Maxwell

5796 U.S. Hwy 64
Farmington, NM 87401

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

# envirotech

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## Analytical Report

### Souder Miller Associates - Carlsbad

| | |
|---|---|
| Project Name: | Line 1003 |
| Work Order: | E204209 |
| Job Number: | 97057-0001 |
| Received: | 4/29/2022 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/5/22

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 5/5/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: Line 1003
Workorder: E204209
Date Received: 4/29/2022 3:45:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/29/2022 3:45:00PM, under the Project Name: Line 1003.

The analytical test results summarized in this report with the Project Name: Line 1003 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
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 05/05/22 14:47 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| BG4 @ Surface | E204209-01A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG4 @ 1' | E204209-02A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG4 @ 2' | E204209-03A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG4 @ 3' | E204209-04A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG4 @ 4' | E204209-05A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG5 @ Surface | E204209-06A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG5 @ 1' | E204209-07A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG5 @ 2' | E204209-08A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG5 @ 3' | E204209-09A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |
| BG5 @ 4' | E204209-10A | Soil | 04/26/22 | 04/29/22 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG4 @ Surface

**E204209-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **2730** | 40.0 | 2 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG4 @ 1'

**E204209-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **4500** | 40.0 | 2 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

**BG4 @ 2'**

**E204209-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **4940** | 200 | 10 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG4 @ 3'

**E204209-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **5300** | 400 | 20 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG4 @ 4'

**E204209-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **4470** | 400 | 20 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG5 @ Surface

**E204209-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **51700** | 400 | 20 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG5 @ 1'

**E204209-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **5870** | 200 | 10 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## BG5 @ 2'

**E204209-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **5590** | 400 | 20 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

**BG5 @ 3'**

**E204209-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **4590** | 400 | 20 | 05/04/22 | 05/04/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

**BG5 @ 4'**

**E204209-10**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: CS | | | Batch: 2219019 |
| Chloride | **3390** | 100 | 5 | 05/04/22 | 05/04/22 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | **Reported:** |
| 201 S Halagueno St. | Project Number: | 97057-0001 | |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 5/5/2022 2:47:13PM |

## Anions by EPA 300.0/9056A

Analyst: CS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2219019-BLK1)** | | | | | | | | | Prepared: 05/04/22 Analyzed: 05/04/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2219019-BS1)** | | | | | | | | | Prepared: 05/04/22 Analyzed: 05/04/22 |
| Chloride | 243 | 20.0 | 250 | | 97.0 | 90-110 | | | |
| **Matrix Spike (2219019-MS1)** | | | | **Source: E204209-01** | | | | | Prepared: 05/04/22 Analyzed: 05/04/22 |
| Chloride | 3170 | 40.0 | 250 | 2730 | 179 | 80-120 | | | M4 |
| **Matrix Spike Dup (2219019-MSD1)** | | | | **Source: E204209-01** | | | | | Prepared: 05/04/22 Analyzed: 05/04/22 |
| Chloride | 2680 | 40.0 | 250 | 2730 | NR | 80-120 | 16.8 | 20 | M4 |

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

# Definitions and Notes

| | | | |
|---|---|---|---|
| Souder Miller Associates - Carlsbad | Project Name: | Line 1003 | |
| 201 S Halagueno St. | Project Number: | 97057-0001 | **Reported:** |
| Carlsbad NM, 88220 | Project Manager: | Ashley Maxwell | 05/05/22 14:47 |

| | |
|---|---|
| M4 | Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

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

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

Released to Imaging: 5/23/2022 10:25:56 AM
Received by OCD: 5/17/2022 9:36:04 AM

Project Information | Chain of Custody | Page 1 of 1

STD 5 day

| | |
|---|---|
| Client: | SMA |
| Project: | Line 1003 |
| Project Manager: | Ashley Maxwell |
| Address: | 2001 S Halaguena |
| City, State, Zip | Carlsbad, NM 88220 |
| Phone: | |
| Email: | |
| Report due by: | |

**Bill To**

| | |
|---|---|
| Attention: | Enterprise |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | Rob Dunaway |

**Lab Use Only**

| Lab WO# | Job Number |
|---|---|
| PE204209 | 97057-0001 |

**TAT**: 1D | 3D

**EPA Program**: RCRA | CWA | SDWA

**State**: NM | CO | UT | AZ

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1037 | 4/26 | Soil | 1 | BG4@surface | 1 | | | | | | X | | | | | | | |
| 1042 | 4/26 | Soil | 1 | BG4@1' | 2 | | | | | | X | | | | | | | |
| 1045 | 4/26 | Soil | 1 | BG4@2' | 3 | | | | | | X | | | | | | | |
| 1049 | 4/26 | Soil | 1 | BG4@3' | 4 | | | | | | X | | | | | | | |
| 1053 | 4/26 | Soil | 1 | BG4@4' | 5 | | | | | | X | | | | | | | |
| 1055 | 4/26 | Soil | 1 | BG5@surface | 6 | | | | | | X | | | | | | | |
| 1058 | 4/26 | Soil | 1 | BG5@1' | 7 | | | | | | X | | | | | | | |
| 1100 | 4/26 | Soil | 1 | BG5@2' | 8 | | | | | | X | | | | | | | |
| 1104 | 4/26 | Soil | 1 | BG5@3' | 9 | | | | | | X | | | | | | | |
| 1105 | 4/26 | Soil | 1 | BG5@4' | 10 | | | | | | X | | | | | | | |

**Additional Instructions:**

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

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

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 4/28/22 | 1030 | | 4.28.22 | 1030 |
| | 4.29.22 | 1545 | | 4/29/22 | 15:45 |
| | | | | | |

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

# Envirotech Analytical Laboratory

Printed: 5/2/2022 9:34:21AM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Souder Miller Associates - Carlsbad | Date Received: | 04/29/22 15:45 | Work Order ID: | E204209 |
| Phone: | (505) 325-7535 | Date Logged In: | 04/29/22 16:33 | Logged In By: | Caitlin Christian |
| Email: | ashley.maxwell@soudermiller.com | Due Date: | 05/05/22 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: Courrier |
| 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 | |

**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? | Yes | |

**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 |

**Comments/Resolution**

**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

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>107474 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jnobui | Closure Approved. | 5/23/2022 |