



Incident IDs: nAB1727057447, nAB1813442138,  
nMAP1826042805, nAPP2106151044

## Incident Closure

North Pure Gold 8 Fed 11

Section 08, Township 23 South, Range 31 East

API: 30-015-32619

County: Eddy

Vertex File Number: 25A-02298

**Prepared for:**

Devon Energy Production Company, LP

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

September 2025

**Devon Energy Production Company, LP**  
North Pure Gold 8 Fed 11

**Incident Closure**  
September 2025

**Incident Closure**  
**North Pure Gold 8 Fed 11**  
**Section 08, Township 23 South, Range 31 East**  
**API: 30-015-32619**  
**County: Eddy**

Prepared for:  
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## 1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for four produced water releases that occurred on September 12, 2017, April 29, 2018, August 31, 2018, and February 21, 2021, at North Pure Gold 8 Federal #011 API 30-015-32619 (hereafter referred to as the “site”). Devon submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on September 26, 2017, May 11, 2018, September 17, 2018, and March 10, 2021. Incident ID numbers nAB1727057447, nAB1813442138, nMAP1826042805, and nAPP2106151044, respectively, were assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed as per NMAC 19.15.29.13.

## 2.0 Incident Description

The releases occurred on September 12, 2017, April 29, 2018, August 31, 2018, and February 21, 2021, due to a bull plug malfunction, the injection line leaking, equipment malfunction, and a ball valve failure, respectively. The incidents were reported on September 26, 2017, May 11, 2018, September 17, 2018, and March 10, 2021, and involved the release of approximately 36 bbl of produced water combined, 11 bbl of which were lost. Additional details relevant to the release are presented in the C-141 Report.

## 3.0 Site Characteristics

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area to be on the constructed pad at the site (Figure 1).

The site is located approximately 26.5 miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 08, Township 23 South and Range 31 East in Eddy County, New Mexico. The release area is located on Bureau of Land Management land. An aerial photograph and site schematic are presented on Figure 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site’s surface geology primarily comprises Qep – Eolian and Piedmont deposits. Predominant soil texture on the site is Deep Sand. Additional soil characteristics include a drainage class of well drained to excessively drained with a runoff class of negligible. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The surrounding landscape is associated with dunes with elevations ranging between 2,842 to 4,500 feet. The climate is semidesert with average annual precipitation ranging between 10 and 14 inches. Using information from the United

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States Department of Agriculture, the current dominant vegetation was determined to shinnery oak, while historically it was grasslands (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

#### **4.0 Closure Criteria Determination**

The nearest active well to the site is New Mexico Office of the State Engineer (NMOSE) monitoring well located approximately 0.46 miles southeast of the site (United States Geological Survey, 2025). Data from December 3, 2022, show the NMOSE borehole was dry 100 feet below ground surface (bgs). Information pertaining to the depth to ground water determination is included in Appendix B.

There is no surface water present at the site. The nearest body of water, as defined in Subsection P of 19.15.17.7 NMAC, designated in the National Wetlands Inventory is a watercourse located approximately 1 mile from the site (United States Fish and Wildlife Service, 2025).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Further closure criteria information are provided in Table 1.

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| Table 1. Closure Criteria Determination   |                                                                                                                                                                                                                                     |                              |                                   |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|
| Site Name: North Pure Gold 8 Federal #011 |                                                                                                                                                                                                                                     |                              |                                   |
| Spill Coordinates: 32.315451,-103.796570  |                                                                                                                                                                                                                                     | X: 613304                    | Y: 3576049                        |
| Site Specific Conditions                  |                                                                                                                                                                                                                                     | Value                        | Unit                              |
| 1                                         | Depth to Groundwater (nearest reference)                                                                                                                                                                                            | >100                         | feet                              |
|                                           | Distance between release and nearest DTGW reference                                                                                                                                                                                 | 2,541                        | feet                              |
|                                           |                                                                                                                                                                                                                                     | 0.48                         | miles                             |
|                                           | Date of nearest DTGW reference measurement                                                                                                                                                                                          | December 13, 2023            |                                   |
| 2                                         | Within 300 feet of any continuously flowing watercourse or any other significant watercourse                                                                                                                                        | 5,650                        | feet                              |
| 3                                         | Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)                                                                                                                                 | 6,891                        | feet                              |
| 4                                         | Within 300 feet from an occupied residence, school, hospital, institution or church                                                                                                                                                 | 5,429                        | feet                              |
| 5                                         | i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or                                                                                | 5,246                        | feet                              |
|                                           | ii) Within 1000 feet of any fresh water well or spring                                                                                                                                                                              | 5,246                        | feet                              |
| 6                                         | Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves | No                           | (Y/N)                             |
| 7                                         | Within 300 feet of a wetland                                                                                                                                                                                                        | 6,386                        | feet                              |
| 8                                         | Within the area overlying a subsurface mine                                                                                                                                                                                         | No                           | (Y/N)                             |
|                                           | Distance between release and nearest registered mine                                                                                                                                                                                | 30,417                       | feet                              |
| 9                                         | Within an unstable area (Karst Map)                                                                                                                                                                                                 | Low                          | Critical<br>High<br>Medium<br>Low |
|                                           | Distance between release and nearest High Karst                                                                                                                                                                                     | 10,109                       | feet                              |
| 10                                        | Within a 100-year Floodplain                                                                                                                                                                                                        | >500                         | year                              |
|                                           | Distance between release and nearest FEMA Zone A (100-year Floodplain)                                                                                                                                                              | 36,298                       | feet                              |
| 11                                        | Soil Type                                                                                                                                                                                                                           | Fine sand, fine sandy loam   |                                   |
| 12                                        | Ecological Classification                                                                                                                                                                                                           | Deep Sand                    |                                   |
| 13                                        | Geology                                                                                                                                                                                                                             | Eolian and piedmont deposits |                                   |
|                                           | NMAC 19.15.29.12 E (Table 1) Closure Criteria                                                                                                                                                                                       | >100'                        | <50'<br>51-100'<br>>100'          |

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

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| <b>Table 2. Closure Criteria for Soils Impacted by a Release</b>                                                            |                    |              |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|
| <b>Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS</b> | <b>Constituent</b> | <b>Limit</b> |
| <p style="text-align: center;">&gt; 100 feet</p>                                                                            | Chloride           | 20,000 mg/kg |
|                                                                                                                             | TPH (GRO+DRO+MRO)  | 2,500 mg/kg  |
|                                                                                                                             | GRO+DRO            | 1,000 mg/kg  |
|                                                                                                                             | BTEX               | 50 mg/kg     |
|                                                                                                                             | Benzene            | 10 mg/kg     |

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

## 5.0 Remedial Actions Taken

Delineation of the site was completed between January 20, 2021 and July 17, 2023, which established the area affected by the four incidents. The northern area just off pad was evaluated for contaminants due to the C-141 report of incident nAB1813442138 indicating there may be contamination present there. Boreholes BH23-12 to BH23-17 and BH23-28 to BH23-30 were taken in that area and showed no contamination over strictest criteria. This demonstrates an insignificant amount of fluid went off pad to contaminate the pastureland. Additionally, horizontal boreholes BH23-19 to BH23-21, BH23-26, BH23-27, BH23-31, BH23-33, and BH23-35 were taken around the edge of the pad demonstrating no contamination from any of the releases affected the pastureland. The impacted area was determined to be approximately 130 feet long and 175 feet wide; the total affected area is 21,283 square feet. A remediation plan for this location was accepted from the delineation on June 9, 2025. Daily Field Reports documenting various phases of the remediation are presented in Appendix C.

Remediation efforts began on August 6, 2025, and were finalized on August 22, 2025. Vertex personnel supervised the hand digging of impacted soils. Soils were removed to a depth of 3 feet bgs. A total of 23 cu yds of material was removed. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management.

Notifications that confirmatory samples were being collected were provided to the NMOCD at least 48 hrs in advance. In the excavation, a total of four wall samples, one base sample, and one backfill sample were collected. Confirmation samples of the release area were taken in a 400 sq ft sample grid per the variance request approval (Appendix D). A total of 53 surface samples were taken in the release area. Confirmation samples were submitted to Eurofins Laboratories and the backfill sample was submitted to Envirotech under chain-of-custody protocols. These samples were analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 3, and the laboratory data reports are included in Appendix E. All confirmatory samples collected and analyzed were below closure criteria for the site.

In compliance with the conditional acceptance and in exceedance of the required one sample per 200 sq ft, four wall samples, one for each wall/cardinal direction, were taken in the excavation. The southern wall, WS25-03, was collected against the battery containment. Laboratory analysis showed that sample to be below strictest criteria demonstrating

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no contamination went under the tank battery. The remaining sides of the excavation are fully horizontally delineated by the following: the northern side through BH23-16, the eastern side through WS25-04, and the western through BH23-20.

## 6.0 Closure Request

The release area was fully delineated, remediated, and backfilled with local soils by August 31, 2025. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release ">100 feet to groundwater". Based on these findings, Vertex requests that this release be closed on behalf of Devon with the understanding that the release area will be fully restored following the decommission of the oil and gas production pad accordance with 19.15.29.12 and 19.15.29.13 NMAC.

Should you have any questions or concerns, please do not hesitate to contact Sally Carttar at 575.361.3561 or [SCarttar@vertexresource.com](mailto:SCarttar@vertexresource.com).

## 7.0 References

- Google Inc. (2025). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from <https://earth.google.com>
- New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from <https://maps.nmt.edu/>
- New Mexico Department of Surface Water Quality Bureau. (2025). *Assessed and Impaired Waters of New Mexico*. Retrieved from <https://gis.web.env.nm.gov/oem/?map=swqb>
- New Mexico Energy, Minerals and Natural Resources Department. (2025). *OCD Permitting - Spill Search*. Retrieved from <https://wwwapps.emnrd.nm.gov/oed/oedpermitting/Data/Spills/Spills.aspx>
- New Mexico Mining and Minerals Division. (2025). *Coal Mine Resources in New Mexico*. Retrieved from <https://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=5f80f3b0faa545e58fe747cc7b037a93>
- New Mexico Office of the State Engineer. (2025a). *Point of Diversion Location Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html>
- New Mexico Office of the State Engineer. (2025b). *Water Column/Average Depth to Water Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html>
- New Mexico Office of the State Engineer. (2025c). *Well Log/Meter Information Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html>
- New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code – Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.
- United States Department of Agriculture, Natural Resources Conservation Service. (2025). *Web Soil Survey*. Retrieved from <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
- United States Department of Homeland Security, Federal Emergency Management Agency. (2025). *FEMA Flood Map Service: Search by Address*. Retrieved from <https://msc.fema.gov/portal/search?AddressQuery=malaga%20new%20mexico#searchresultsanchor>
- United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karst*. Retrieved from [https://www.nm.blm.gov/shapeFiles/cfo/carlsbad\\_spatial\\_data.html](https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html)
- United States Fish and Wildlife Service. (2025). *National Wetland Inventory - Surface Waters and Wetlands*. Retrieved from <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- United States Geological Survey. (2025). *National Water Information System: Web Interface*. Retrieved from <https://waterdata.usgs.gov/nwis>

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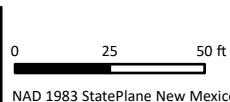
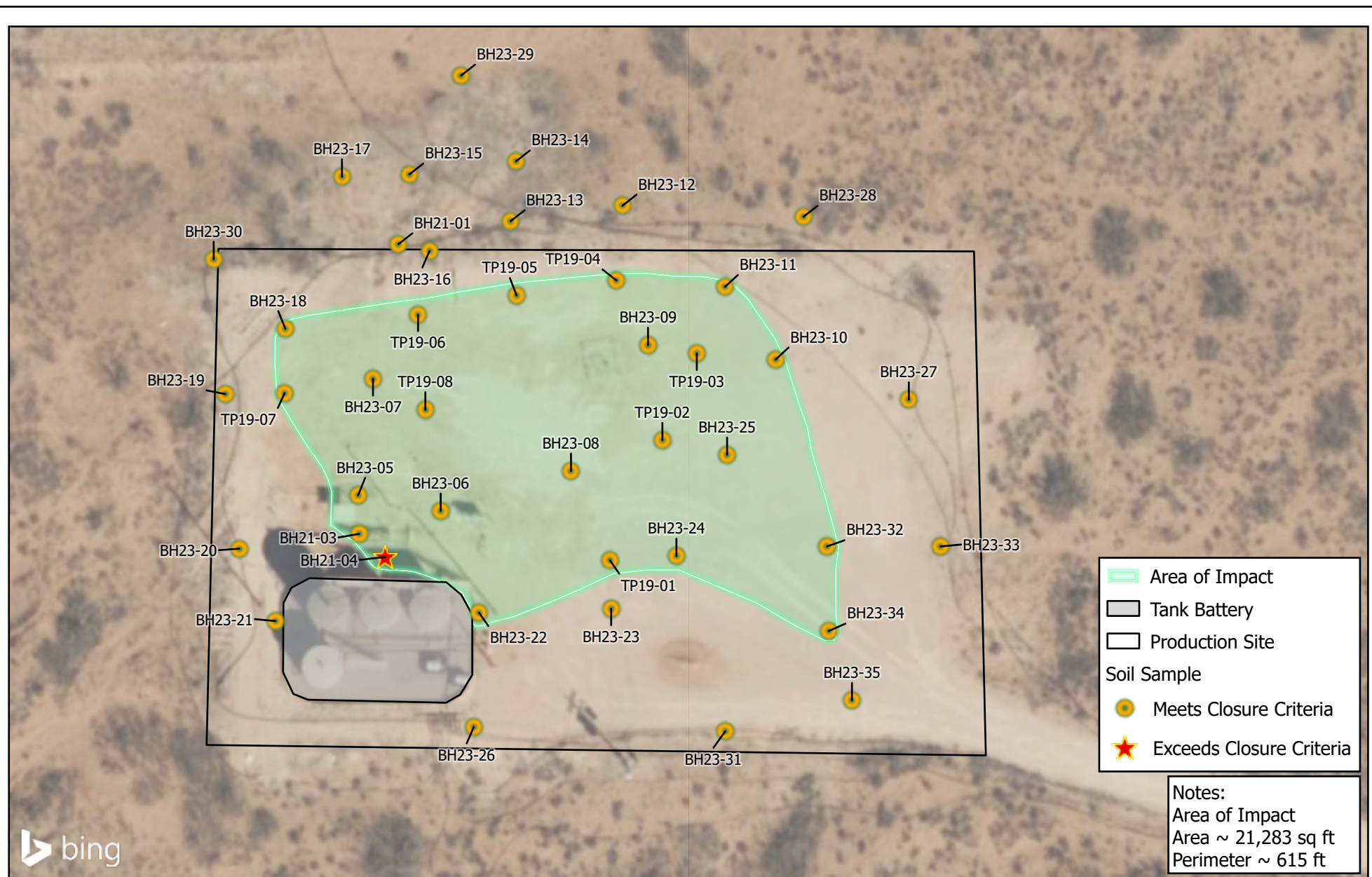
## 8.0 Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company, LP. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy Production Company, LP. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

## **FIGURES**





Map Center:  
 Lat/Long: 32.315473°N, 103.796243°W  
 Date: May 09/25



### Characterization Sampling Site Schematic North Pure Gold 8 Federal #011

FIGURE:

1

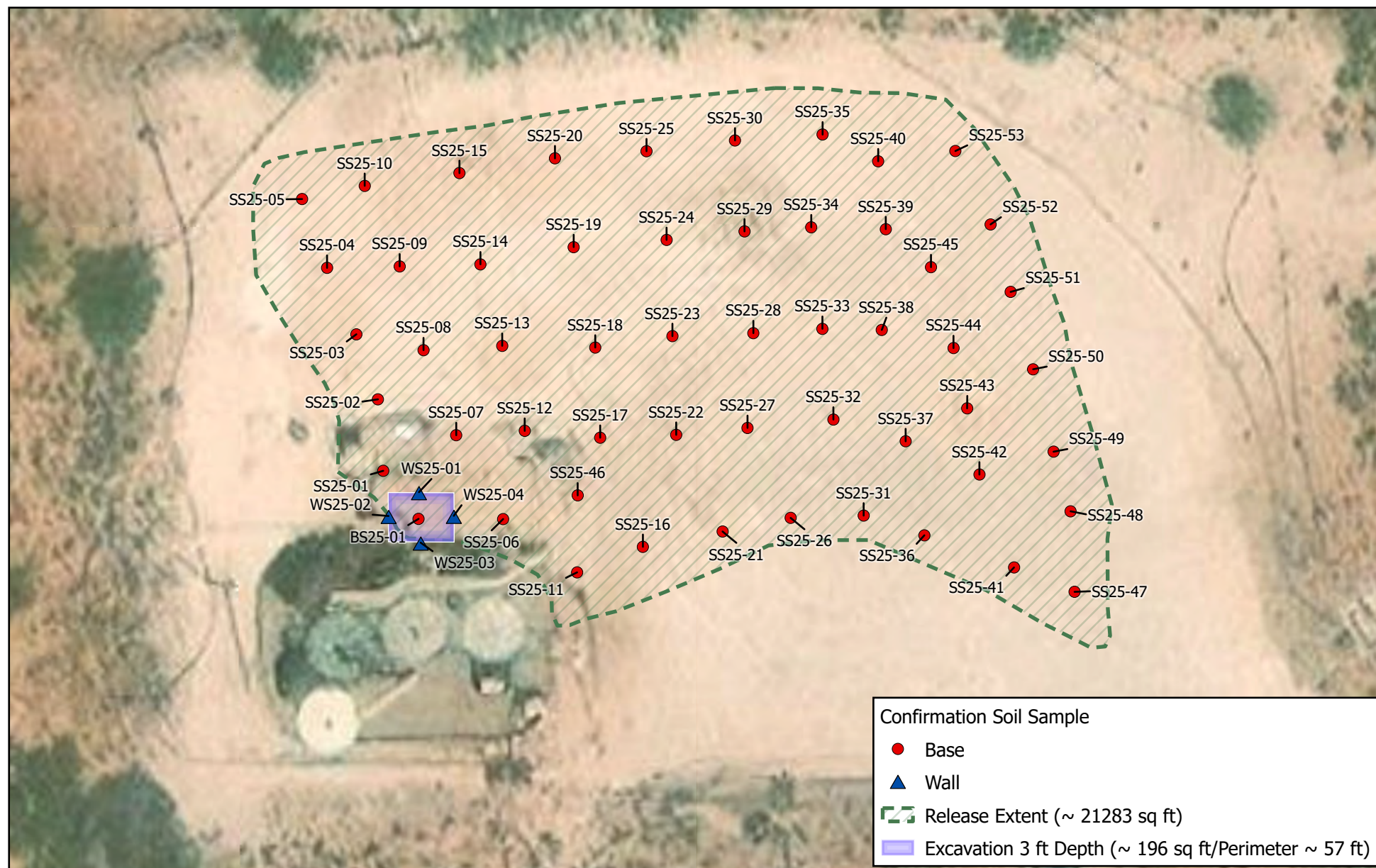


Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.





0 20 40 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:  
Lat/Long: 32.315421°N, 103.796392°W

Date: Aug 30/25



### Confirmation Sampling Schematic North Pure Gold 8 Federal #011

FIGURE:

02



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

## **TABLES**

Client Name: Devon Energy Production Company, LP

Site Name: North Pure Gold 8 Federal #011

NM OCD Tracking #: nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044

Project #: 25A-02298

Lab Reports: P905060, 2108E74, 2307707, 2307708, 2307747, and 2307825

| Table 3. Initial Characterization Sample Laboratory Results - Depth to Groundwater >100 feet bgs |            |                 |                        |              |                               |                             |                                |             |                                    |           |
|--------------------------------------------------------------------------------------------------|------------|-----------------|------------------------|--------------|-------------------------------|-----------------------------|--------------------------------|-------------|------------------------------------|-----------|
| Sample Description                                                                               |            |                 | Petroleum Hydrocarbons |              |                               |                             |                                |             |                                    | Inorganic |
| Sample ID                                                                                        | Depth (ft) | Sample Date     | Volatile               |              | Extractable                   |                             |                                |             |                                    |           |
|                                                                                                  |            |                 | Benzene                | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) |           |
|                                                                                                  |            |                 |                        |              |                               |                             |                                |             |                                    |           |
| TP19-01                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | 356                         | 642                            | 356         | 998                                | 1,240     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | 29.4                        | ND                             | 29.4        | 29.4                               | 294       |
| TP19-02                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2,810     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 176       |
| TP19-03                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2,520     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 754       |
| TP19-04                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | 25.2                        | ND                             | 25.2        | 25.2                               | 4,100     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 94        |
| TP19-05                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | 37.7                        | ND                             | 37.7        | 37.3                               | 6,650     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 365       |
| TP19-06                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,440     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,410     |
| TP19-07                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | 36.9                        | ND                             | 36.9        | 36.9                               | 1,980     |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 634       |
| TP19-08                                                                                          | 0          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 16,600    |
|                                                                                                  | 2          | May 14, 2019    | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 54.4      |
| BH21-01                                                                                          | 0.5        | August 24, 2021 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH21-03                                                                                          | 0.5        | August 24, 2021 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 8,900     |
|                                                                                                  | 2          | August 24, 2021 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,200     |
| BH21-04                                                                                          | 0.5        | August 24, 2021 | ND                     | ND           | ND                            | 16                          | 84                             | 16          | 100                                | 3,500     |
|                                                                                                  | 2          | August 24, 2021 | ND                     | ND           | ND                            | 890                         | 2,600                          | 890         | 3,490                              | 410       |
|                                                                                                  | 4          | August 24, 2021 | ND                     | ND           | ND                            | 47                          | 180                            | 47          | 227                                | 370       |
| BH23-05                                                                                          | 0          | July 13, 2023   | ND                     | ND           | ND                            | 28                          | 58                             | 28          | 86                                 | 8,100     |
|                                                                                                  | 2          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 840       |
|                                                                                                  | 4          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 720       |
| BH23-06                                                                                          | 0          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 7,400     |
|                                                                                                  | 2          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 410       |
|                                                                                                  | 4          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 460       |
|                                                                                                  | 6          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 400       |
| BH23-07                                                                                          | 0          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 13,000    |
|                                                                                                  | 2          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 4,000     |
|                                                                                                  | 4          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2,600     |
| BH23-08                                                                                          | 0          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 9,000     |
|                                                                                                  | 2          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 850       |
|                                                                                                  | 4          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2,400     |
|                                                                                                  | 6          | July 13, 2023   | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 270       |

Client Name: Devon Energy Production Company, LP

Site Name: North Pure Gold 8 Federal #011

NM OCD Tracking #: nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044

Project #: 25A-02298

Lab Reports: P905060, 2108E74, 2307707, 2307708, 2307747, and 2307825

| Table 3. Initial Characterization Sample Laboratory Results - Depth to Groundwater >100 feet bgs |            |               |                        |              |                               |                             |                                |             |                                    |           |
|--------------------------------------------------------------------------------------------------|------------|---------------|------------------------|--------------|-------------------------------|-----------------------------|--------------------------------|-------------|------------------------------------|-----------|
| Sample Description                                                                               |            |               | Petroleum Hydrocarbons |              |                               |                             |                                |             |                                    | Inorganic |
| Sample ID                                                                                        | Depth (ft) | Sample Date   | Volatile               |              | Extractable                   |                             |                                |             |                                    |           |
|                                                                                                  |            |               | Benzene                | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) |           |
|                                                                                                  |            |               |                        |              |                               |                             |                                |             |                                    | (mg/kg)   |
| BH23-09                                                                                          | 0          | July 13, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,900     |
|                                                                                                  | 2          | July 13, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2,300     |
|                                                                                                  | 4          | July 13, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,200     |
| BH23-10                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | 13                          | ND                             | 13          | 13                                 | 2,900     |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | 13                          | ND                             | 13          | 13                                 | 550       |
| BH23-11                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 16,000    |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 630       |
| BH23-12                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 71        |
| BH23-13                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | 26                          | ND                             | 26          | 26                                 | 110       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | 18                          | ND                             | 18          | 18                                 | 200       |
| BH23-14                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | 15                          | ND                             | 15          | 15                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-15                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 520       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 360       |
| BH23-16                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-17                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 67        |
| BH23-18                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 7,800     |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,400     |
| BH23-19                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 290       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-20                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 170       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 160       |
| BH23-21                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 300       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 200       |
| BH23-22                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | 120                         | 51                             | 120         | 171                                | 1,800     |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,800     |
| BH23-23                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 440       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 220       |
| BH23-24                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 3,600     |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 210       |
| BH23-25                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 990       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 110       |
| BH23-26                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 350       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 150       |

Client Name: Devon Energy Production Company, LP

Site Name: North Pure Gold 8 Federal #011

NM OCD Tracking #: nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044

Project #: 25A-02298

Lab Reports: P905060, 2108E74, 2307707, 2307708, 2307747, and 2307825

| Table 3. Initial Characterization Sample Laboratory Results - Depth to Groundwater >100 feet bgs |            |               |                        |              |                               |                             |                                |             |                                    |           |
|--------------------------------------------------------------------------------------------------|------------|---------------|------------------------|--------------|-------------------------------|-----------------------------|--------------------------------|-------------|------------------------------------|-----------|
| Sample Description                                                                               |            |               | Petroleum Hydrocarbons |              |                               |                             |                                |             |                                    | Inorganic |
| Sample ID                                                                                        | Depth (ft) | Sample Date   | Volatile               |              | Extractable                   |                             |                                |             |                                    |           |
|                                                                                                  |            |               | Benzene                | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) |           |
|                                                                                                  |            |               |                        |              |                               |                             |                                |             |                                    | (mg/kg)   |
| BH23-27                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 92        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-28                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-29                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-30                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 240       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 89        |
| BH23-31                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 210       |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 100       |
| BH23-32                                                                                          | 0          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1,200     |
|                                                                                                  | 2          | July 14, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 86        |
| BH23-33                                                                                          | 0          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
|                                                                                                  | 2          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-34                                                                                          | 0          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 730       |
|                                                                                                  | 2          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |
| BH23-35                                                                                          | 0          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 89        |
|                                                                                                  | 2          | July 17, 2023 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND        |

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Closure Criteria



Client Name: Devon Energy Production Company, LP

Site Name: North Pure Gold 8 Fed 11

NMOCD Tracking #: nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044

Project #: 25A-02298

Lab Report(sX): 885-31189-1, 885-30863-1, 885-30730-1, 855-30757-1

Table 4. Confirmatory Sample Laboratory Results

| Sample Description          |            |                 | Petroleum Hydrocarbons |              |                               |                             |                                |             |                                    | Inorganic |
|-----------------------------|------------|-----------------|------------------------|--------------|-------------------------------|-----------------------------|--------------------------------|-------------|------------------------------------|-----------|
| Sample ID                   | Depth (ft) | Sample Date     | Volatile               |              | Extractable                   |                             |                                |             |                                    |           |
|                             |            |                 | Benzene                | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) |           |
|                             |            |                 |                        |              |                               |                             |                                |             |                                    |           |
|                             |            |                 |                        |              |                               |                             |                                |             |                                    |           |
| (mg/kg)                     | (mg/kg)    | (mg/kg)         | (mg/kg)                | (mg/kg)      | (mg/kg)                       | (mg/kg)                     | (mg/kg)                        |             |                                    |           |
| Depth to Groundwater >100ft |            |                 |                        |              |                               |                             |                                |             |                                    |           |
| Backfill                    | -          | August 31, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 275       |
| BS25-01                     | 3          | August 8, 2025  | ND                     | ND           | ND                            | 170                         | 590                            | 170         | 760                                | 2800      |
| WS25-01                     | 0-3        | August 8, 2025  | ND                     | ND           | ND                            | 16                          | ND                             | 16          | 16                                 | 3200      |
| WS25-02                     | 0-3        | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 6500      |
| WS25-03*                    | 0-3        | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 260       |
| WS25-04                     | 0-3        | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 150       |
| SS25-01                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 6700      |
| SS25-02                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 9.3                         | ND                             | 9.3         | 9.3                                | 2000      |
| SS25-03                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 3400      |
| SS25-04                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 970       |
| SS25-05                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1100      |
| SS25-06                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 15                          | ND                             | 15          | 15                                 | 4200      |
| SS25-07                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 18                          | 51                             | 18          | 69                                 | 1200      |
| SS25-08                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 12                          | ND                             | 12          | 12                                 | 4200      |
| SS25-09                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 13                          | ND                             | 13          | 13                                 | 2000      |
| SS25-10                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 3200      |
| SS25-11                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 100                         | 180                            | 100         | 280                                | 1800      |
| SS25-12                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 18                          | 86                             | 18          | 104                                | 4100      |
| SS25-13                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | 31                          | 36                             | 31          | 67                                 | 620       |
| SS25-14                     | 0          | August 8, 2025  | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 790       |
| SS25-15                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 13000     |
| SS25-16                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 8900      |
| SS25-17                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 4400      |
| SS25-18                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 3400      |
| SS25-19                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 14000     |
| SS25-20                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 11000     |
| SS25-21                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 3500      |
| SS25-22                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 11000     |
| SS25-23                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 6400      |
| SS25-24                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 350       |
| SS25-25                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 7700      |
| SS25-26                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | 110                         | 320                            | 110         | 430                                | 5200      |
| SS25-27                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1100      |
| SS25-28                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | 140                         | ND                             | 140         | 140                                | 7800      |
| SS25-29                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | 26                          | 62                             | 26          | 88                                 | 3200      |
| SS25-30                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 5000      |
| SS25-31                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2000      |
| SS25-32                     | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1500      |

Client Name: Devon Energy

Site Name: North Pure Gold 8 Fed 11

NMOCD Tracking #: nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044

Project #: 25A-02298

Lab Report(sX): 885-31189-1, 885-30863-1, 885-30730-1, 855-30757-1

Table 4. Confirmatory Sample Laboratory Results

| Table 4. Confirmatory Sample Laboratory Results |            |                 |                        |              |                               |                             |                                |             |                                    |       |           |
|-------------------------------------------------|------------|-----------------|------------------------|--------------|-------------------------------|-----------------------------|--------------------------------|-------------|------------------------------------|-------|-----------|
| Sample Description                              |            |                 | Petroleum Hydrocarbons |              |                               |                             |                                |             |                                    |       | Inorganic |
| Sample ID                                       | Depth (ft) | Sample Date     | Volatile               |              | Extractable                   |                             |                                |             |                                    |       |           |
|                                                 |            |                 | Benzene                | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) |       |           |
|                                                 |            |                 |                        |              |                               |                             |                                |             |                                    |       |           |
|                                                 |            |                 |                        |              |                               |                             |                                |             |                                    |       |           |
| (mg/kg)                                         | (mg/kg)    | (mg/kg)         | (mg/kg)                | (mg/kg)      | (mg/kg)                       | (mg/kg)                     |                                |             |                                    |       |           |
| Depth to Groundwater >100ft                     |            |                 |                        |              |                               |                             |                                |             |                                    |       |           |
| SS25-33                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 4600  |           |
| SS25-34                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 14000 |           |
| SS25-35                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 17000 |           |
| SS25-36                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 260   |           |
| SS25-37                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 880   |           |
| SS25-38                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2000  |           |
| SS25-39                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 1300  |           |
| SS25-40                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2000  |           |
| SS25-41                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 140   |           |
| SS25-42                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND    |           |
| SS25-43                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 730   |           |
| SS25-44                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 610   |           |
| SS25-45                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 690   |           |
| SS25-46                                         | 0          | August 14, 2025 | ND                     | ND           | ND                            | 95                          | 280                            | 95          | 375                                | 560   |           |
| SS25-47                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND    |           |
| SS25-48                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND    |           |
| SS25-49                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND    |           |
| SS25-50                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | ND    |           |
| SS25-51                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 85    |           |
| SS25-52                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2500  |           |
| SS25-53                                         | 0          | August 11, 2025 | ND                     | ND           | ND                            | ND                          | ND                             | ND          | ND                                 | 2600  |           |

"ND" Not Detected at the Reporting Limit

\*Sample proves no contamination went under the containment

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)



## **APPENDIX A - NMOCD C-141 Report(s)**

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

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

SEP 01 2015

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

**Name of Company** Devon Energy Production Company **6137** **Contact** Dan Suniga; Production Foreman  
**Address** 6488 Seven Rivers Hwy Artesia, NM 88210 **Telephone No.** 575-390-5850  
**Facility Name** North Pure Gold 8 Federal 11 **Facility Type** Salt Water Disposal

**Surface Owner** Federal **Mineral Owner** Federal **API No** 30-015-32619

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J           | 8       | 23S      | 31E   | 1400          | South            | 1540          | East           | Eddy   |

Latitude: 32.31545

Longitude: -103.795859

## NATURE OF RELEASE

|                                                                                                                                                 |                                                                                   |                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Type of Release</b> Produced water release                                                                                                   | <b>Volume of Release</b> 20 BBLS                                                  | <b>Volume Recovered</b> 18 BBLS                                |
| <b>Source of Release</b> hole in high pressure hose on H pump                                                                                   | <b>Date and Hour of Occurrence</b><br>September 1, 2015 2:40 AM                   | <b>Date and Hour of Discovery</b><br>September 1, 2015 2:40 AM |
| <b>Was Immediate Notice Given?</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | <b>If YES, To Whom?</b><br>BLM; Jim Amos OCD-Mike Bratcher                        |                                                                |
| <b>By Whom?</b> Assistant Production Foreman: David Simmons                                                                                     | <b>Date and Hour</b> BLM-September 1, 2015 4:40 AM OCD- September 1, 2015 2:10 PM |                                                                |
| <b>Was a Watercourse Reached?</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                        | <b>If YES, Volume Impacting the Watercourse</b><br>N/A                            |                                                                |

**If a Watercourse was Impacted, Describe Fully.\***  
N/A

**Describe Cause of Problem and Remedial Action Taken.\***

Hole in high pressure line on the H pump allowed 20 BBLS of produced water to be released. The power to the H pump and the charge pump was shut off and then the closed the valves upstream and downstream of the release to prevent further release. Line is being repaired.

**Describe Area Affected and Cleanup Action Taken.\***

20 BBLS of produced water was released. All of the released fluid remained on location. 18 BBLS of the released fluid was recovered via vacuum truck. Release occurred north of the water tanks. Approximate size of the affected area is 30' x 30'. Most of the released fluid collected in a hole that the produced water created when it released from the high pressure line. Environmental Agency will be contacted for remediation services.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Sandy Farley

Printed Name: Sandra Farley

Title: **Field Admin Support**E-mail Address: sandy.farley@dvn.com

Date: 9.1.15

Phone: 575.746.5587

## OIL CONSERVATION DIVISION

Signed By Mike Bratcher

Approved by Environmental Specialist:

Approval Date: 9/2/15Expiration Date: N/A

Conditions of Approval:

Attached ☐

**Remediation per O.C.D. Rules & Guidelines**  
**SUBMIT REMEDIATION PROPOSAL NO**  
**LATER THAN: 10/2/15**

2RP-3233

\* Attach Additional Sheets If Necessary

4441 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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

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

SEP 26 2017

Submit to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

NAB1727057447

OPERATOR

☒ Initial Report ☐ Final Report

|                                                             |                                                |
|-------------------------------------------------------------|------------------------------------------------|
| Name of Company Devon Energy Production Company <i>6137</i> | Contact Aaron Kidd, Technical Services Foreman |
| Address 6488 Seven Rivers Hwy Artesia, NM 88210             | Telephone No. 575-748-9936                     |
| Facility Name North Pure Gold 8 Federal 11                  | Facility Type Salt Water Disposal              |

|                       |                       |                     |
|-----------------------|-----------------------|---------------------|
| Surface Owner Federal | Mineral Owner Federal | API No 30-015-32619 |
|-----------------------|-----------------------|---------------------|

## LOCATION OF RELEASE

|                  |              |                 |              |                       |                           |                       |                        |                |
|------------------|--------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|----------------|
| Unit Letter<br>J | Section<br>8 | Township<br>23S | Range<br>31E | Feet from the<br>1400 | North/South Line<br>South | Feet from the<br>1540 | East/West Line<br>East | County<br>Eddy |
|------------------|--------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|----------------|

Latitude: 32.3155441

Longitude: -103.7963486

## NATURE OF RELEASE

|                                                                                                                                          |                                                                     |                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------|
| Type of Release Produced Water                                                                                                           | Volume of Release 5BBLS PW                                          | Volume Recovered 2BBLS PW                          |
| Source of Release<br>1/2" bull plug                                                                                                      | Date and Hour of Occurrence<br>09/12/2017 @ 7:00 AM                 | Date and Hour of Discovery<br>09/12/2017 @ 7:00 AM |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>OCD-Mike Bratcher<br>BLM-Shelly Tucker          |                                                    |
| By Whom? Aaron Kidd, Technical Services Foreman                                                                                          | Date and Hour<br>BLM-9/12/2017 @ 1:21 PM<br>OCD-9/12/2017 @ 1:23 PM |                                                    |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                        | If YES, Volume Impacting the Watercourse                            |                                                    |
| If a Watercourse was Impacted, Describe Fully.*<br>N/A                                                                                   |                                                                     |                                                    |

**Describe Cause of Problem and Remedial Action Taken.\***  
The pump had a 1/2" bull plug wash out and develop a leak. Upon discovery the leak was isolated and stopped. A repair was then made and the equipment was returned back into service.

**Describe Area Affected and Cleanup Action Taken.\***  
Approximately 5BBLS of Produced Water was released as a result the bull plug washing out and developing a leak. Approximately 2BBLS of Produced Water was recovered via the dispatched vacuum truck. All fluid stayed on the location. An environmental contractor will be contacted to assist with the delineation and remediation of the well pad surface.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                                        |                                                                                                          |                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Signature: <i>Michael R. Shoemaker</i> | OIL CONSERVATION DIVISION<br><br>Signed By <i>Mike Bratcher</i><br>Approved by Environmental Specialist: |                                                      |
| Printed Name: Michael R. Shoemaker     |                                                                                                          |                                                      |
| Title: Environmental Professional      | Approval Date: <i>9/27/17</i>                                                                            | Expiration Date: <i>N/A</i>                          |
| E-mail Address: mike.shoemaker@dmv.com | Conditions of Approval:<br><i>See attached</i>                                                           |                                                      |
| Date: 09/26/2017 Phone: 575-748-3371   |                                                                                                          |                                                      |
|                                        |                                                                                                          | Attached <input type="checkbox"/><br><i>2RP-4414</i> |

\* Attach Additional Sheets If Necessary



District I  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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

MAY 11 2018  
Form C-141  
Revised April 3, 2017  
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.  
DISTRICT II-ARTESIA O.C.D.

## Release Notification and Corrective Action

Accepted as Initial only

*NAB1813442138*

|                                                             |  |                                                |                      |
|-------------------------------------------------------------|--|------------------------------------------------|----------------------|
| Name of Company Devon Energy Production Company <i>6137</i> |  | Contact Aaron Kidd, Technical Services Foreman |                      |
| Address 6488 Seven Rivers Hwy Artesia, NM 88210             |  | Telephone No. 575-748-3371                     |                      |
| Facility Name North Pure Gold 8 Federal 11                  |  | Facility Type Salt Water Disposal              |                      |
| Surface Owner Federal                                       |  | Mineral Owner Federal                          | API No. 30-015-32619 |

## OPERATOR

☒ Initial Report ☒ Final Report

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J           | 8       | 23S      | 31E   |               |                  |               |                | Eddy   |

Latitude 32.315536 N Longitude 103.796457 W NAD83

## NATURE OF RELEASE

|                                                                                                                                          |                                                              |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------|
| Type of Release Produced Water                                                                                                           | Volume of Release 13.00 bbls                                 | Volume Recovered 10 bbls                         |
| Source of Release Underground injection line                                                                                             | Date and Hour of Occurrence 4/29/2018 5:00 PM MST            | Date and Hour of Discovery 4/29/2018 5:00 PM MST |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>NMOCD-Mike Bratcher<br>BLM-Shelly Tucker |                                                  |
| By Whom? Mike Shoemaker, EHS Professional                                                                                                | Date and Hour 4/30/2018 4:04 PM MST                          |                                                  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                        | If YES, Volume Impacting the Watercourse.<br>N/A             |                                                  |

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

The underground injection line developed a leak. The line was isolated and a vacuum truck was dispatched to recover any standing fluids.

Describe Area Affected and Cleanup Action Taken.\*

Approximately 13 bbls of produced water was released across the well pad. A small amount flow down the fill slope and off the edge of the location and contacted the edge of the pasture. Approximately 10 bbls of produced water was recovered. An environmental contractor will be contacted to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                                        |  |                                                              |                             |
|----------------------------------------|--|--------------------------------------------------------------|-----------------------------|
| Signature: <i>Tamala Robison</i>       |  | OIL CONSERVATION DIVISION                                    |                             |
| Printed Name: Tamala Robison           |  | Approved by Environmental Specialist: <i>[Signature]</i>     |                             |
| Title: Field Admin Support             |  | Approval Date: <i>5/14/18</i>                                | Expiration Date: <i>N/A</i> |
| E-mail Address: Tamala.Robison@dmv.com |  | Conditions of Approval:                                      |                             |
| Date: 5/7/2018 Phone: 575-748-3371     |  | Attached <input checked="" type="checkbox"/> <i>200-4741</i> |                             |

\* Attach Additional Sheets If Necessary

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

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

|                |                |
|----------------|----------------|
| Incident ID    | NMAP1826042805 |
| District RP    | 2RP-4971       |
| Facility ID    | N/A            |
| Application ID | pMAP1826041886 |

Release Notification

Responsible Party

|                         |                                         |                                             |
|-------------------------|-----------------------------------------|---------------------------------------------|
| Responsible Party       | Devon Energy Production Company         | OGRID                                       |
| Contact Name            | Brett Fulks, EHS Professional           | Contact Telephone 575-748-3371              |
| Contact email           | Brett.Fulks@dvn.com                     | Incident # (assigned by OCD) NMAP1826042805 |
| Contact mailing address | 6488 Seven Rivers Hwy Artesia, NM 88210 |                                             |

Location of Release Source

Latitude 32.31545 N Longitude -103.795860 W  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |                          |                      |                     |
|-------------------------|--------------------------|----------------------|---------------------|
| Site Name               | North Pure Gold 8 Fed 11 | Site Type            | Salt Water Disposal |
| Date Release Discovered | 8/31/2018 10:23 AM       | API# (if applicable) | 30-015-32619        |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| J           | 08      | 23S      | 31E   | Eddy   |

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

Nature and Volume of Release

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

|                                                    |                                                                                          |                                                                     |
|----------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)                                                                   | Volume Recovered (bbls)                                             |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 12.49 Barrels                                                     | Volume Recovered (bbls) 8.00 Barrels                                |
|                                                    | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                                   | Volume Recovered (bbls)                                             |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                                    | Volume Recovered (Mcf)                                              |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                                   | Volume/Weight Recovered (provide units)                             |

Cause of Release  
Mechanical Failure, the flex hose going from the charge pump to the H pump blew off the connector and and ran produced water on the ground.

|                |                |
|----------------|----------------|
| Incident ID    | NMAP1826042805 |
| District RP    | 2RP-4971       |
| Facility ID    | N/A            |
| Application ID | pMAP1826041886 |

|                                                                                                                                              |                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>If YES, for what reason(s) does the responsible party consider this a major release?</p> |
| <p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p> <p>N/A</p>               |                                                                                             |

## Initial Response

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <div style="display: flex; flex-direction: column; gap: 10px;"><div><input type="checkbox"/> The source of the release has been stopped.</div><div><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</div><div><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</div><div><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</div></div>                                                                                                                                                                                                                                             |                                                                                                                           |
| <p>If all the actions described above have <u>not</u> been undertaken, explain why:</p> <div style="height: 100px; border: 1px solid black; margin-top: 5px;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
| <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                           |
| <p>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.</p> |                                                                                                                           |
| <p>Printed Name: <u>Tamala J Robison</u></p> <p>Signature: _____<br/><small>Tamala J. Robison</small></p> <p>email: <u>Tamala.Robison@dvn.com</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Title: <u>Field Admin Support - Maintenance</u></p> <p>Date: <u>9/6/2018</u></p> <p>Telephone: <u>575-748-3371</u></p> |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="width: 45%;"><p><b><u>OCD Only</u></b></p><p>Received by: _____</p></div><div style="width: 45%; text-align: right;"><p>Date: <u>09/17/18</u></p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                           |



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

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

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2106151044 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

Release Notification

Responsible Party

|                         |                              |
|-------------------------|------------------------------|
| Responsible Party       | OGRID                        |
| Contact Name            | Contact Telephone            |
| Contact email           | Incident # (assigned by OCD) |
| Contact mailing address |                              |

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |                      |
|-------------------------|----------------------|
| Site Name               | Site Type            |
| Date Release Discovered | API# (if applicable) |

|             |         |          |       |        |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
|             |         |          |       |        |

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

Nature and Volume of Release

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

|                                           |                                                                                          |                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Crude Oil        | Volume Released (bbls)                                                                   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Produced Water   | Volume Released (bbls)                                                                   | Volume Recovered (bbls)                                  |
|                                           | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate       | Volume Released (bbls)                                                                   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas      | Volume Released (Mcf)                                                                    | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units)                                                   | Volume/Weight Recovered (provide units)                  |

Cause of Release

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2106151044 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|                                                                                                                            |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input type="checkbox"/> 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*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <input type="checkbox"/> The source of the release has been stopped.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |
| <input type="checkbox"/> The impacted area has been secured to protect human health and the environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |
| <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |
| <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |
| If all the actions described above have <u>not</u> 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: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Title: _____           |
| Signature: <u>Kendra DeHoyos</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date: _____            |
| email: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Telephone: _____       |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |
| Received by: <u>Ramona Marcus</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>3/10/2021</u> |

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State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-4414, 2RP-4741,<br>2RP-4971                                               |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

## Release Notification

### Responsible Party

|                                                               |                                                                                               |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Responsible Party <b>Harvard Petroleum Company, LLC</b>       | OGRID <b>10155</b>                                                                            |
| Contact Name <b>Jeff Harvard</b>                              | Contact Telephone <b>575-208-7135</b>                                                         |
| Contact email <b>jharvard@hpcnm.com</b>                       | Incident # <b>nAB1524531624, nAB1727057447, nAB1813442138, nMAP1826042805, nAPP2106151044</b> |
| Contact mailing address <b>P.O. Box 936 Roswell, NM 88202</b> |                                                                                               |

### Location of Release Source

Latitude **32.315451** Longitude **-103.796570**  
(NAD 83 in decimal degrees to 5 decimal places)

|                                                                                                                           |                                      |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Site Name <b>North Pure Gold 8 Federal #011</b>                                                                           | Site Type <b>Salt Water Disposal</b> |
| Date Releases Discovered <b>September 1, 2015, September 12, 2017, April 29, 2018, August 31, 2018, February 21, 2021</b> | API# <b>30-015-32619</b>             |

| Unit Letter | Section   | Township   | Range      | County      |
|-------------|-----------|------------|------------|-------------|
| <b>J</b>    | <b>08</b> | <b>23S</b> | <b>31E</b> | <b>Eddy</b> |

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

### Nature and Volume of Release

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

|                                                    |                                                                                |                                                                     |
|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) <b>20, 5, 13, 12, 6</b>                                 | Volume Recovered (bbls) <b>18, 2, 10, 8, 5</b>                      |
|                                                    | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                              |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                             |

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-<br>4414, 2RP-4741,<br>2RP-4971                                           |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

**Cause of Release**

9/1/2015. Hole in high pressure line on the H pump allowed 20 BBLS of produced water to be released.

9/12/2017. The pump had a ½" plug wash out and develop a leak.

4/29/2018. The underground injection line developed a leak.

8/31/2018. Mechanical Failure, the flex hose going from the charge pump to the H pump blew off the connector and ran produced water on the ground.

02/21/2021. Ball valve failed on liquid gage causing fluid release. All fluid stayed on pad.

Was this a major  
release as defined by  
19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

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

## Initial Response

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

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

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

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

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-<br>4414, 2RP-4741,<br>2RP-4971                                           |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

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: Jeff Harvard Title: President and Manager  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: jharvard@hpcnm.com Telephone: 575-208-7135

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

## Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-4414, 2RP-4741,<br>2RP-4971                                               |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

|                                                                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | >55 (ft bgs)                                                        |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-<br>4414, 2RP-4741,<br>2RP-4971                                           |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

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: Jeff Harvard Title: President and Manager  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: jharvard@hpcnm.com Telephone: 575-208-7135

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

## Remediation Plan

|                |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Incident ID    | nAB1524531624,<br>nAB1727057447,<br>nAB1813442138,<br>nMAP1826042805,<br>nAPP2106151044 |
| District RP    | 2RP-3233, 2RP-<br>4414, 2RP-4741,<br>2RP-4971                                           |
| Facility ID    | 30-015-32619                                                                            |
| Application ID |                                                                                         |

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jeff Harvard Title: President and Manager  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: jharvard@hpcnm.com Telephone: 575-208-7135

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

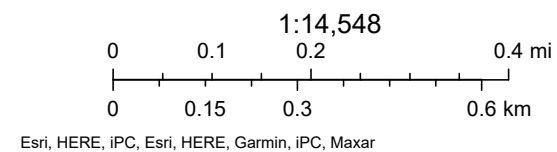
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **APPENDIX B – Closure Criteria Research Documentation**

# North Pure Gold 8 Fed 11 - 0.48 miles away from DTGW



1/25/2024, 8:42:03 AM





# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                                     |              | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |    |     | (quarters are smallest to largest) |     |                     |         | (NAD83 UTM in meters)                                                               |  |
|-------------------------------------|--------------|------------------------------------|-----|----|-----|------------------------------------|-----|---------------------|---------|-------------------------------------------------------------------------------------|--|
| Well Tag                            | POD Number   | Q64                                | Q16 | Q4 | Sec | Tws                                | Rng | X                   | Y       |                                                                                     |  |
| NA                                  | C 04776 POD1 | 3                                  | 3   | 3  | 09  | 23S                                | 31E | 613953              | 3575651 |  |  |
| x                                   |              |                                    |     |    |     |                                    |     |                     |         |                                                                                     |  |
| <b>Driller License:</b> 1833        |              | <b>Driller Company:</b>            |     |    |     | VISION RESOURCES, INC              |     |                     |         |                                                                                     |  |
| <b>Driller Name:</b> JASON MALEY    |              |                                    |     |    |     |                                    |     |                     |         |                                                                                     |  |
| <b>Drill Start Date:</b> 12/13/2023 |              | <b>Drill Finish Date:</b>          |     |    |     | 12/13/2023                         |     | <b>Plug Date:</b>   |         | 12/18/2023                                                                          |  |
| <b>Log File Date:</b> 01/12/2024    |              | <b>PCW Rcv Date:</b>               |     |    |     | <b>Source:</b>                     |     |                     |         |                                                                                     |  |
| <b>Pump Type:</b>                   |              | <b>Pipe Discharge Size:</b>        |     |    |     | <b>Estimated Yield:</b>            |     |                     |         |                                                                                     |  |
| <b>Casing Size:</b> 2.00            |              | <b>Depth Well:</b>                 |     |    |     |                                    |     | <b>Depth Water:</b> |         | 105 feet                                                                            |  |
| x                                   |              |                                    |     |    |     |                                    |     |                     |         |                                                                                     |  |

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.

1/25/24 8:42 AM

POINT OF DIVERSION SUMMARY





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

| POD Number                   | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tw  | Rng | X      | Y        | Distance | Depth | Well | Depth | Water Column |
|------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-------|------|-------|--------------|
| <a href="#">C 04712 POD6</a> |      | CUB           | ED     | 3    | 3    | 4   | 08  | 23S | 31E | 613147 | 3575740  | 346      |       | 55   |       |              |
| <a href="#">C 04776 POD1</a> |      | CUB           | ED     | 3    | 3    | 3   | 09  | 23S | 31E | 613953 | 3575651  | 760      |       |      |       | 105          |
| <a href="#">C 04712 POD5</a> |      | CUB           | ED     | 4    | 4    | 3   | 09  | 23S | 31E | 614393 | 3575754  | 1128     |       | 55   |       |              |
| <a href="#">C 02492</a>      |      | CUB           | ED     | 4    | 4    | 4   | 06  | 23S | 31E | 612056 | 3577320* | 1781     |       | 135  |       | 85 50        |
| <a href="#">C 02865</a>      |      | CUB           | ED     | 4    | 4    | 4   | 06  | 23S | 31E | 612056 | 3577320* | 1781     |       | 174  |       |              |
| <a href="#">C 02774</a>      |      | CUB           | ED     | 3    | 1    | 3   | 04  | 23S | 31E | 613857 | 3577745* | 1783     |       | 1660 |       |              |
| <a href="#">C 02492 POD2</a> |      | C             | ED     | 3    | 2    | 2   | 07  | 23S | 31E | 611767 | 3576996  | 1805     |       | 400  |       | 125 275      |

Average Depth to Water: **105 feet**

Minimum Depth: **85 feet**

Maximum Depth: **125 feet**

**Record Count:** 7

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 613304

**Northing (Y):** 3576049

**Radius:** 2000

\*UTM location was derived from PLSS - see Help

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

1/25/24 8:35 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER





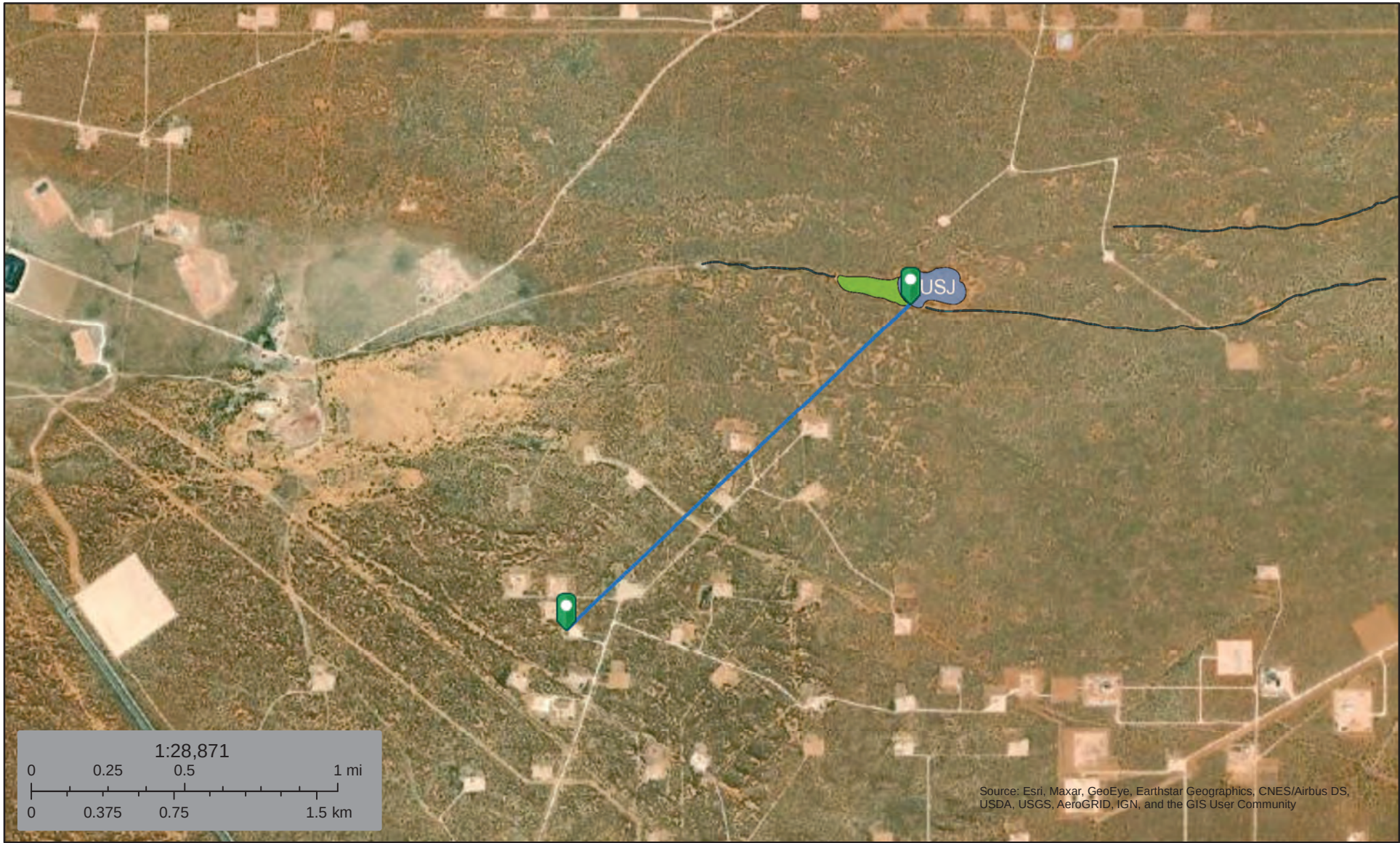
July 28, 2021

Wetlands

- |                                                                                                                    |                                                                                                                       |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|                                                                                                                    |  Freshwater Pond                   |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.





July 28, 2021

Wetlands

- |                                                                                     |                                |                                                                                     |                                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|                                                                                     |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



**N Pure Gold 8 Fed 11**

**Legend**

Neared Resident 1 mile, 5429 ft

 Feature 1

 Residence

 N Pure Gold 8 Fed 11 32.31545, -







# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

| Well Tag | POD Number   | Q64 | Q16 | Q4 | Sec | Tws | Rng | X      | Y       |
|----------|--------------|-----|-----|----|-----|-----|-----|--------|---------|
| NA       | C 04200 POD3 |     | 2   | 2  | 07  | 23S | 31E | 612130 | 3577147 |

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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.

8/3/23 6:31 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Water Right Summary

[get image list](#)

WR File Number: C 04200

Subbasin: CUB

Cross Reference: -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres:

Subfile: -

Header: -

Total Diversion: 0

Cause/Case: -

Agent: ATKINS ENGR ASSOC INC

Contact: CHRIS CORTEZ (STACY MILLS)

Owner: JIMMY MILLS 2005 GST TRUST

Contact: FRANKIE JO MILLS, TRUSTEE

Owner: JIMMY MILLS GST TRUST

Contact: FRANKIE JO MILLS, TRUSTEE

Documents on File

| Trn #                                                                                                        | Doc    | File/Act | Status     |     |     | Transaction Desc. | From/<br>To | Acres | Diversion | Consumptive |
|--------------------------------------------------------------------------------------------------------------|--------|----------|------------|-----|-----|-------------------|-------------|-------|-----------|-------------|
|                                                                                                              |        |          | 1          | 2   |     |                   |             |       |           |             |
|  <a href="#">get images</a> | 619310 | EXPL     | 2018-01-30 | PMT | APR | C 04200 POD1-5    | T           | 0     | 0         |             |

Current Points of Diversion

| POD Number                   | Well Tag | Source | Q (NAD83 UTM in meters) |     |      |     |     |        | Other Location Desc |                                                                                       |
|------------------------------|----------|--------|-------------------------|-----|------|-----|-----|--------|---------------------|---------------------------------------------------------------------------------------|
|                              |          |        | 64Q                     | 16Q | 4Sec | Tws | Rng | X      |                     | Y                                                                                     |
| <a href="#">C 04200 POD1</a> | NA       |        | 2                       | 2   | 07   | 23S | 31E | 611803 | 3577058             |   |
| <a href="#">C 04200 POD2</a> | NA       |        | 2                       | 2   | 07   | 23S | 31E | 611893 | 3577123             |  |
| <a href="#">C 04200 POD3</a> | NA       |        | 2                       | 2   | 07   | 23S | 31E | 612130 | 3577147             |  |
| <a href="#">C 04200 POD4</a> | NA       |        | 4                       | 4   | 06   | 23S | 31E | 611996 | 3577521             |  |
| <a href="#">C 04200 POD5</a> | NA       |        | 4                       | 4   | 06   | 23S | 31E | 612139 | 3577393             |  |



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

| WR File Nbr             | (acre ft per annum) |     |           |                                | County | POD Number                   | Well Tag | (R=POD has been replaced and no longer serves this file, C=the file is closed) |       |         | (quarters are 1=NW 2=NE 3=SW 4=SE) |   |    |     |     |        | (quarters are smallest to largest) |          | (NAD83 UTM in me |  |
|-------------------------|---------------------|-----|-----------|--------------------------------|--------|------------------------------|----------|--------------------------------------------------------------------------------|-------|---------|------------------------------------|---|----|-----|-----|--------|------------------------------------|----------|------------------|--|
|                         | Sub basin           | Use | Diversion | Owner                          |        |                              |          | Code                                                                           | Grant | Source  | q                                  | q | q  | q   | Sec | Tws    | Rng                                | X        | Y                |  |
| <a href="#">C 04712</a> | CUB                 | MON | 0         | VERTEX RESOURCES               | ED     | <a href="#">C 04712 POD6</a> | NA       |                                                                                |       |         | 3                                  | 3 | 4  | 08  | 23S | 31E    | 613146                             | 3575740  |                  |  |
|                         |                     |     |           |                                | ED     | <a href="#">C 04712 POD5</a> |          |                                                                                |       |         | 4                                  | 4 | 3  | 09  | 23S | 31E    | 614392                             | 3575754  |                  |  |
| <a href="#">C 04200</a> | CUB                 | EXP | 0         | JIMMY MILLS 2005 GST TRUST     | ED     | <a href="#">C 04200 POD3</a> | NA       |                                                                                |       |         | 2                                  | 2 | 07 | 23S | 31E | 612130 | 3577147                            |          |                  |  |
| <a href="#">C 03389</a> | C                   | STK | 3         | JIMMY MILLS 2005 GST TRUST     | ED     | <a href="#">C 03389</a>      |          |                                                                                |       |         | 1                                  | 1 | 3  | 17  | 23S | 31E    | 612316                             | 3574683  |                  |  |
| <a href="#">C 03394</a> | C                   | PUB | 0         | JAMES HAMILTON CONSTRUCTION CO | ED     | <a href="#">C 03389</a>      |          |                                                                                |       |         | 1                                  | 1 | 3  | 17  | 23S | 31E    | 612316                             | 3574683  |                  |  |
| <a href="#">C 04200</a> | CUB                 | EXP | 0         | JIMMY MILLS GST TRUST          | ED     | <a href="#">C 04200 POD2</a> | NA       |                                                                                |       |         | 2                                  | 2 | 07 | 23S | 31E | 611893 | 3577123                            |          |                  |  |
|                         |                     |     |           |                                | ED     | <a href="#">C 04200 POD5</a> |          |                                                                                |       |         | 4                                  | 4 | 06 | 23S | 31E | 612138 | 3577393                            |          |                  |  |
| <a href="#">C 02492</a> | CUB                 | COM | 105       | THE JIMMY MILLS GST TRUST      | ED     | <a href="#">C 02492</a>      |          |                                                                                |       | Shallow | 4                                  | 4 | 4  | 06  | 23S | 31E    | 612056                             | 3577320* |                  |  |
| <a href="#">C 02865</a> | CUB                 | EXP | 0         | STACY MILLS                    | ED     | <a href="#">C 02865</a>      |          |                                                                                |       |         | 4                                  | 4 | 4  | 06  | 23S | 31E    | 612056                             | 3577320* |                  |  |
| <a href="#">C 03668</a> | C                   | STK | 3         | J T MILLS 2005 GST TRUST       | ED     | <a href="#">C 02492 POD2</a> |          |                                                                                |       | Shallow | 3                                  | 2 | 2  | 07  | 23S | 31E    | 611767                             | 3576996  |                  |  |
| <a href="#">C 04200</a> | CUB                 | EXP | 0         | JIMMY MILLS 2005 GST TRUST     | ED     | <a href="#">C 04200 POD1</a> | NA       |                                                                                |       |         | 2                                  | 2 | 07 | 23S | 31E | 611802 | 3577058                            |          |                  |  |
| <a href="#">C 02774</a> | CUB                 | MON | 0         | U.S. DEPT. OF ENERGY - WIPP    | ED     | <a href="#">C 02774</a>      |          |                                                                                |       |         | 3                                  | 1 | 3  | 04  | 23S | 31E    | 613857                             | 3577745* |                  |  |
| <a href="#">C 04200</a> | CUB                 | EXP | 0         | JIMMY MILLS 2005 GST TRUST     | ED     | <a href="#">C 04200 POD4</a> | NA       |                                                                                |       |         | 4                                  | 4 | 06 | 23S | 31E | 611996 | 3577521                            |          |                  |  |

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 613283      Northing (Y): 3576038      Radius: 2000

Sorted by: Distance

\*UTM location was derived from PLSS - see Help

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





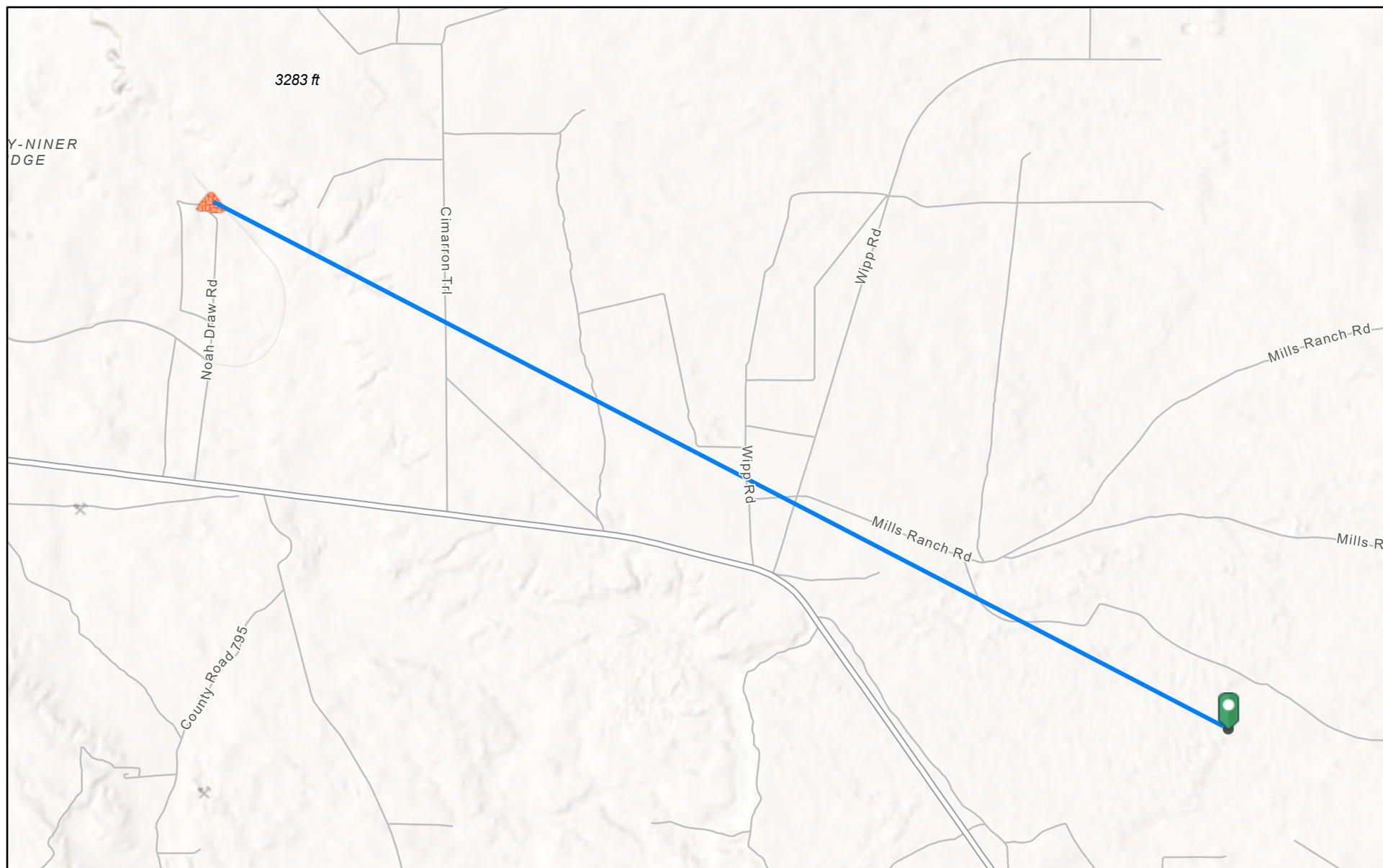
July 28, 2021

Wetlands

- |                                                                                                                    |                                                                                                                       |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|                                                                                                                    |  Freshwater Pond                   |  Riverine |

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# North Pure Gold 9 Federal #001 - 34,074 feet from mine



1/26/2024, 7:31:01 AM

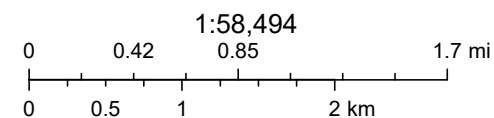
Registered Mines



Potash



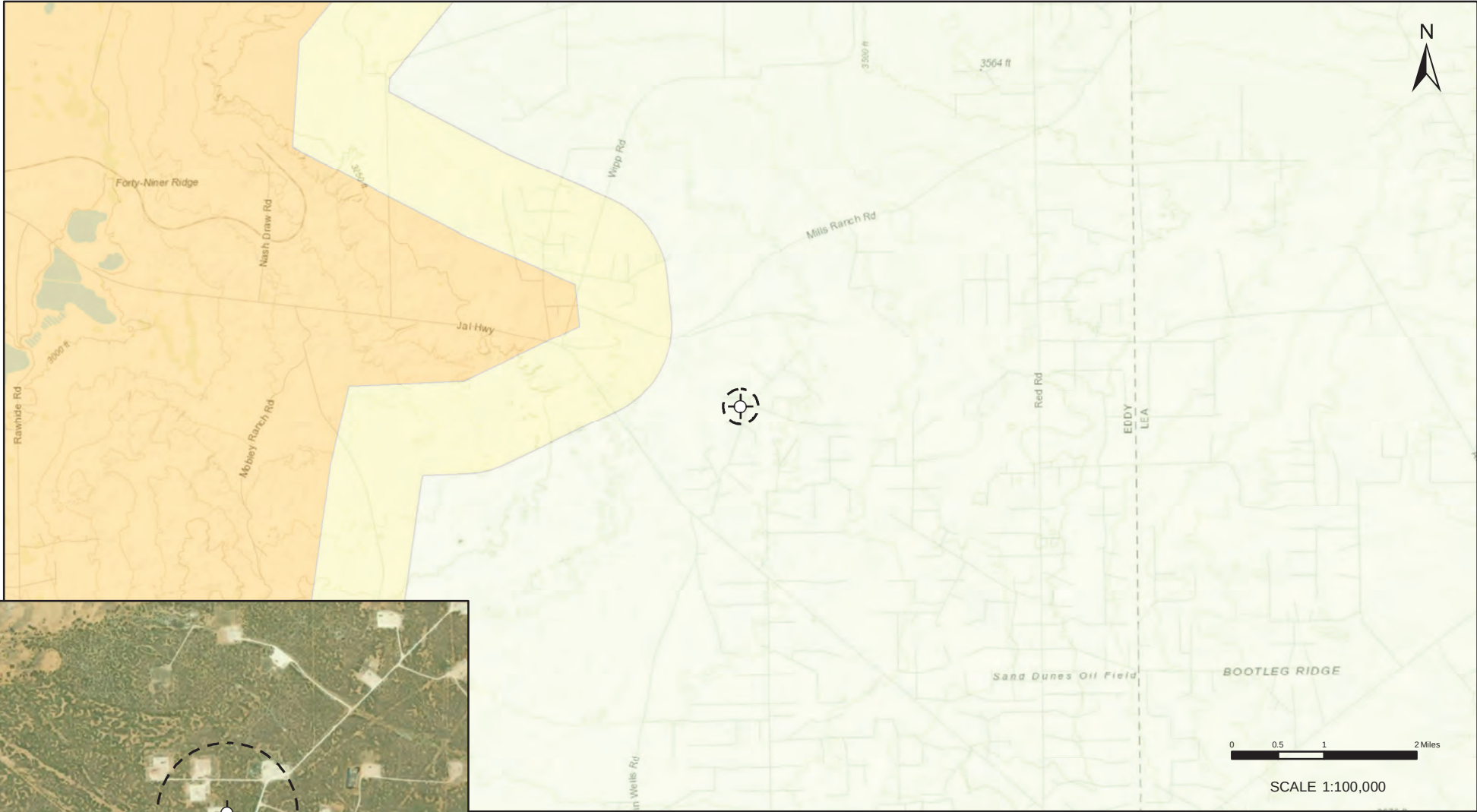
Aggregate, Stone etc.



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

EMNRD MMD GIS Coordinator





Notes: Aerial Image from ESRI Digital Globe 2017

LEGEND

- SITE
- 1000 FT BUFFER

- KARST POTENTIAL
- CRITICAL
  - HIGH
  - MEDIUM
  - LOW

**Karst Potential**  
**North Pure Gold 8**  
**Federal #011**

|                 |                     |
|-----------------|---------------------|
| DRAWN: NM       | FIGURE:<br><b>1</b> |
| APPROVED: KM    |                     |
| DATE: APR 15/19 |                     |



Ruler

Path Polygon Circle 3D path 3D polygon

Measure the distance between two points on the ground

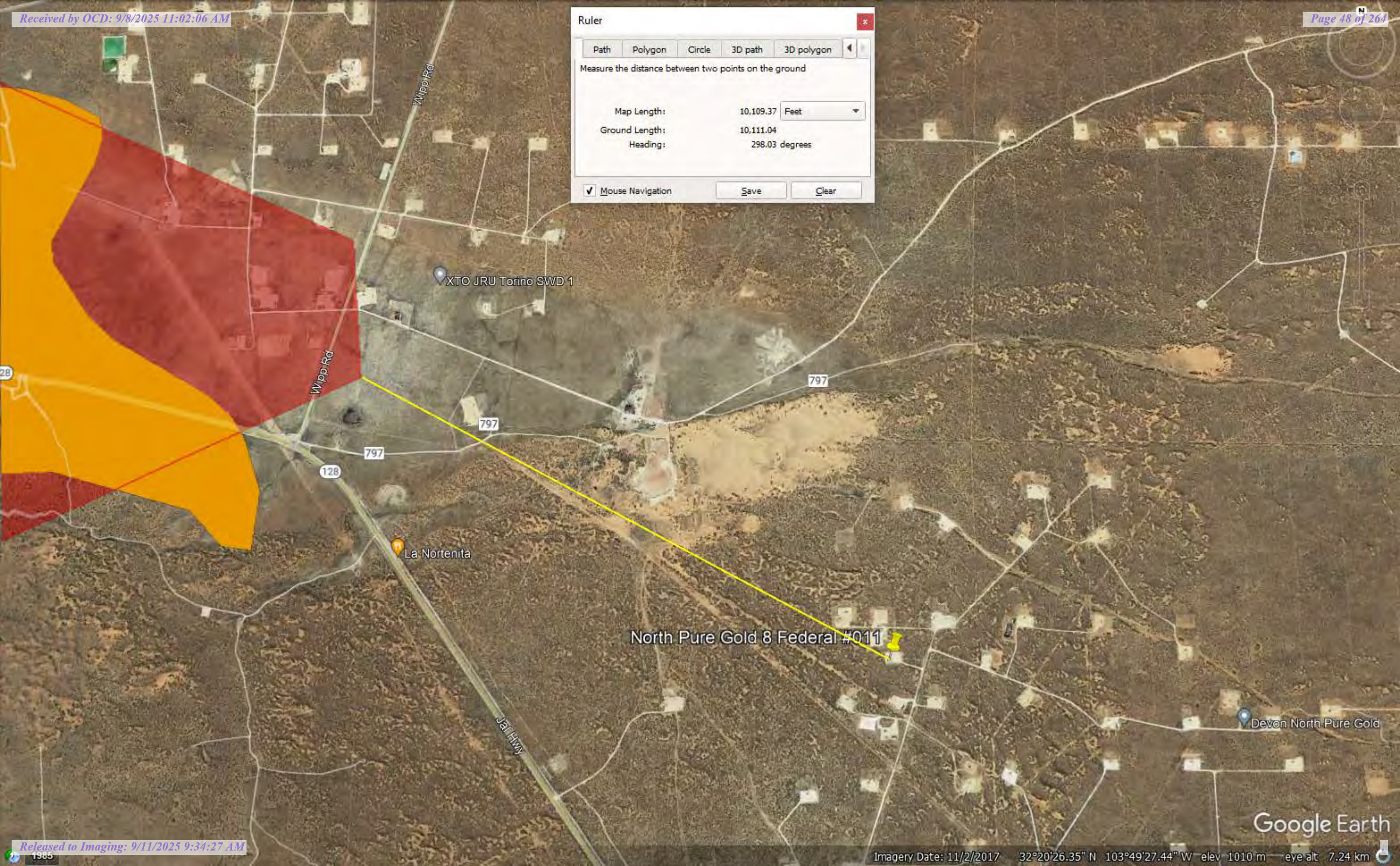
Map Length: 10,109.37 Feet

Ground Length: 10,111.04

Heading: 298.03 degrees

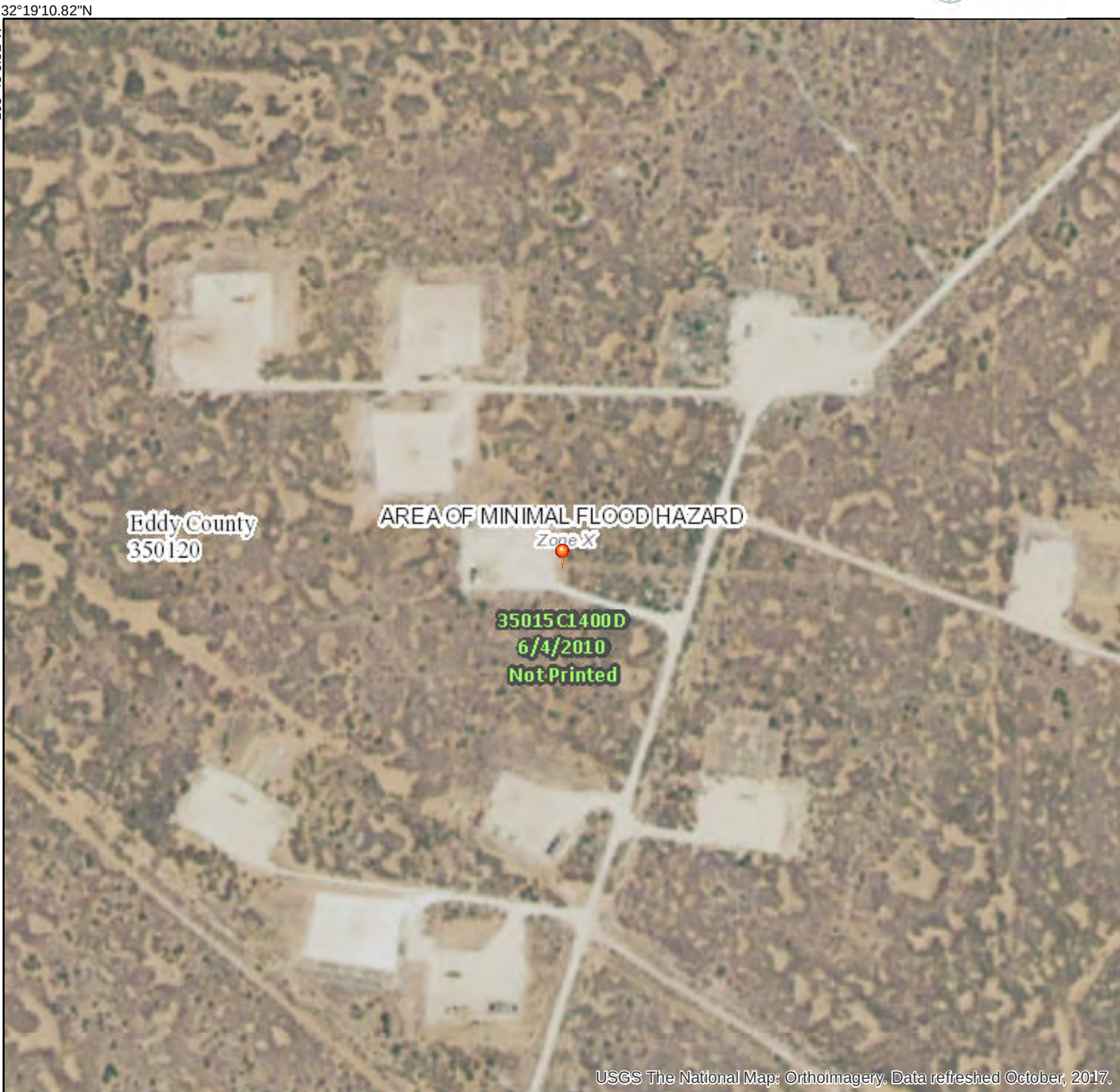
☒ Mouse Navigation

Save Clear





# National Flood Hazard Layer FIRMette



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

|                            |  |                                                      |
|----------------------------|--|------------------------------------------------------|
| SPECIAL FLOOD HAZARD AREAS |  | Without Base Flood Elevation (BFE)<br>Zone A, V, A99 |
|                            |  | With BFE or Depth Zone AE, AO, AH, VE, AR            |
|                            |  | Regulatory Floodway                                  |

|                             |  |                                                                                                                                                                   |
|-----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OTHER AREAS OF FLOOD HAZARD |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard Zone X                                                                                                            |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. Zone X                                                                                                      |
|                             |  | Area with Flood Risk due to Levee Zone D                                                                                                                          |

|             |  |                                          |
|-------------|--|------------------------------------------|
| OTHER AREAS |  | Area of Minimal Flood Hazard Zone X      |
|             |  | Effective LOMRs                          |
|             |  | Area of Undetermined Flood Hazard Zone D |

|                    |  |                                  |
|--------------------|--|----------------------------------|
| GENERAL STRUCTURES |  | Channel, Culvert, or Storm Sewer |
|                    |  | Levee, Dike, or Floodwall        |

|                |  |                                                                   |
|----------------|--|-------------------------------------------------------------------|
| OTHER FEATURES |  | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
|                |  | 17.5                                                              |
|                |  | Coastal Transect                                                  |
|                |  | Base Flood Elevation Line (BFE)                                   |
|                |  | Limit of Study                                                    |
|                |  | Jurisdiction Boundary                                             |
|                |  | Coastal Transect Baseline                                         |
|                |  | Profile Baseline                                                  |
|                |  | Hydrographic Feature                                              |

|            |  |                           |
|------------|--|---------------------------|
| MAP PANELS |  | Digital Data Available    |
|            |  | No Digital Data Available |
|            |  | Unmapped                  |

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/15/2019 at 12:28:49 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



- AE
- AH
- AO
- County

Ruler

Path Polygon Circle 3D path 3D polygon

Measure the distance between two points on the ground

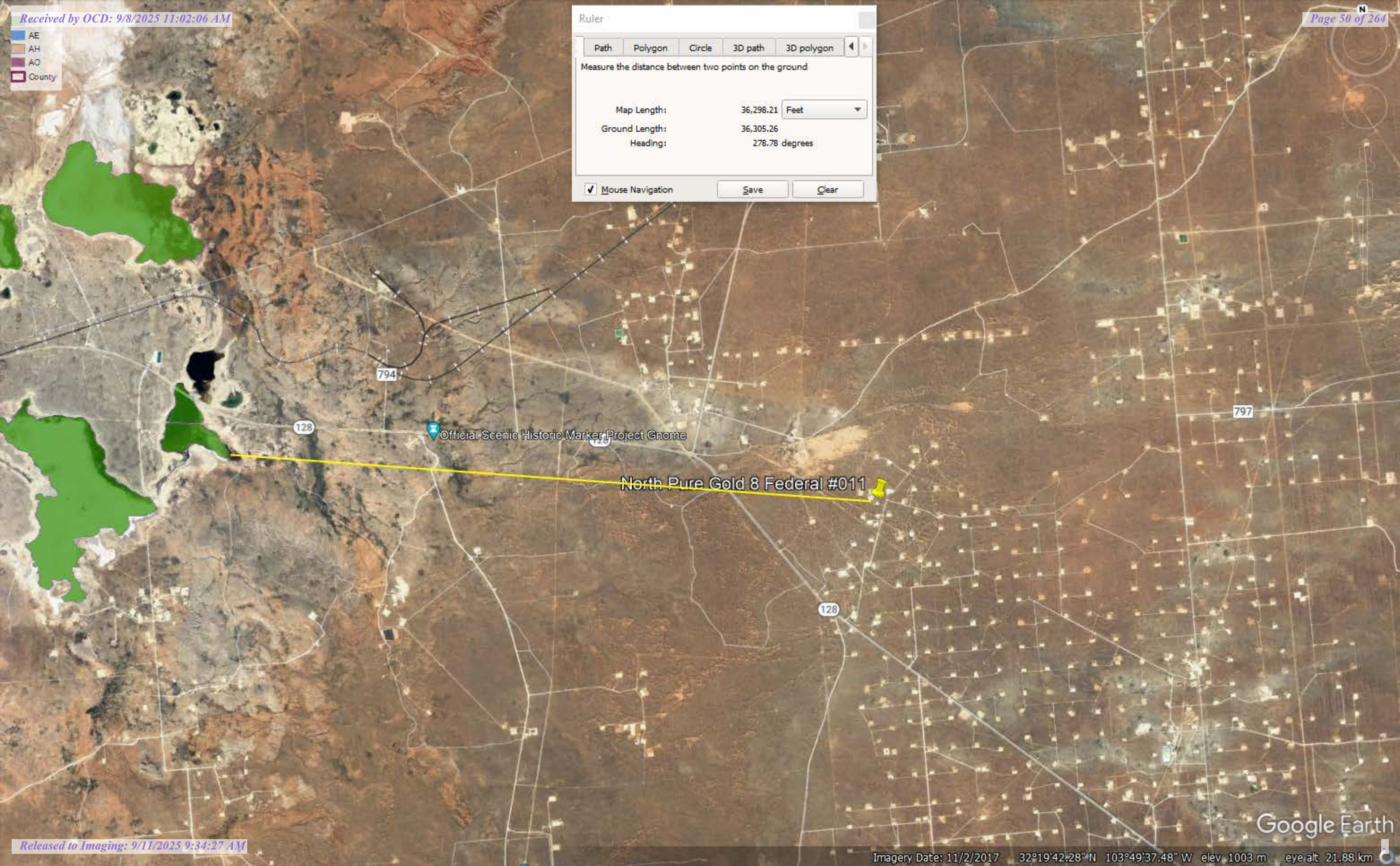
Map Length: 36,298.21 Feet

Ground Length: 36,305.26

Heading: 278.78 degrees

☒ Mouse Navigation

Save Clear







United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Eddy Area, New Mexico



July 28, 2021



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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## Soil Map

---

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report  
Soil Map

## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals

## Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Custom Soil Resource Report

## Map Unit Legend

| Map Unit Symbol                    | Map Unit Name                                   | Acres in AOI | Percent of AOI |
|------------------------------------|-------------------------------------------------|--------------|----------------|
| KM                                 | Kermit-Berino fine sands, 0 to 3 percent slopes | 2.2          | 100.0%         |
| <b>Totals for Area of Interest</b> |                                                 | <b>2.2</b>   | <b>100.0%</b>  |

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

## Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Custom Soil Resource Report

**Eddy Area, New Mexico****KM—Kermit-Berino fine sands, 0 to 3 percent slopes****Map Unit Setting***National map unit symbol:* 1w4q*Elevation:* 3,100 to 4,200 feet*Mean annual precipitation:* 10 to 14 inches*Mean annual air temperature:* 60 to 64 degrees F*Frost-free period:* 190 to 230 days*Farmland classification:* Not prime farmland**Map Unit Composition***Kermit and similar soils:* 50 percent*Berino and similar soils:* 35 percent*Minor components:* 15 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Kermit****Setting***Landform:* Alluvial fans, plains*Landform position (three-dimensional):* Rise, talf*Down-slope shape:* Linear, convex*Across-slope shape:* Linear*Parent material:* Mixed alluvium and/or eolian sands**Typical profile***H1 - 0 to 7 inches:* fine sand*H2 - 7 to 60 inches:* fine sand**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* More than 80 inches*Drainage class:* Excessively drained*Runoff class:* Negligible*Capacity of the most limiting layer to transmit water (Ksat):* Very high (20.00 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water capacity:* Low (about 3.1 inches)**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7e*Hydrologic Soil Group:* A*Ecological site:* R042XC005NM - Deep Sand*Hydric soil rating:* No**Description of Berino****Setting***Landform:* Fan piedmonts, plains*Landform position (three-dimensional):* Riser



## Custom Soil Resource Report

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

**Typical profile**

*H1 - 0 to 17 inches:* fine sand  
*H2 - 17 to 50 inches:* fine sandy loam  
*H3 - 50 to 58 inches:* loamy sand

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water capacity:* Moderate (about 7.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* B  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

**Minor Components****Active dune land**

*Percent of map unit:* 15 percent  
*Hydric soil rating:* No

## References

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- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_054262](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262)
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053577](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577)
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053580](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580)
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelpdb1043084>

## Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052290.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf)

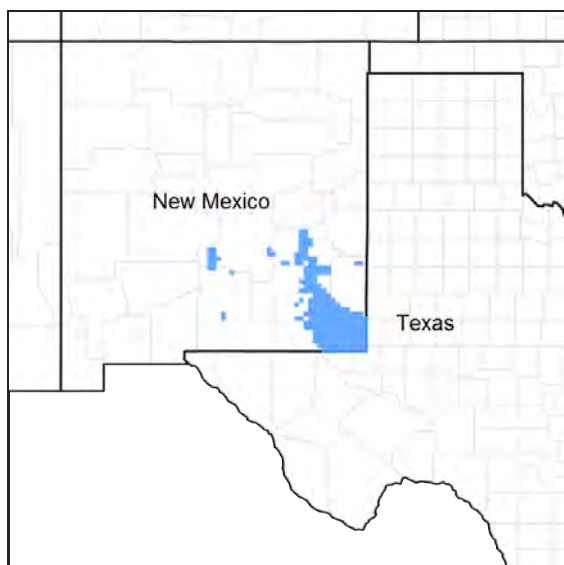


## Ecological site R042XC005NM Deep Sand

Accessed: 07/28/2021

### General information

**Provisional.** A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.



**Figure 1. Mapped extent**

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

**Table 1. Dominant plant species**

|            |               |
|------------|---------------|
| Tree       | Not specified |
| Shrub      | Not specified |
| Herbaceous | Not specified |

### Physiographic features

This site occurs on terraces, Piedmonts, dunes fields, or upland plains. Parent material consists of eolian deposits and alluvium derived from sandstone. Slopes range from 0 to 15 percent, usually less than 5 percent. Low, stabilized hummocks or dunes frequently occur. Elevations range from 2,842 to 4,500 feet.

**Table 2. Representative physiographic features**

|                    |                                           |
|--------------------|-------------------------------------------|
| Landforms          | (1) Dune<br>(2) Parna dune<br>(3) Terrace |
| Flooding frequency | None                                      |
| Ponding frequency  | None                                      |
| Elevation          | 2,842–4,500 ft                            |

|        |                                    |
|--------|------------------------------------|
| Slope  | 0–15%                              |
| Aspect | Aspect is not a significant factor |

## Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.

Both temperature and moisture favor warm season perennial plant growth. During years of abundant winter and early spring moisture, cool season growth and annual forbs, make up an important component of this site. Strong winds blow from the west from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

**Table 3. Representative climatic features**

|                               |          |
|-------------------------------|----------|
| Frost-free period (average)   | 221 days |
| Freeze-free period (average)  | 240 days |
| Precipitation total (average) | 13 in    |

## Influencing water features

This site is not influenced from water from wetlands or streams.

## Soil features

Soils are deep or very deep. Surface textures are sand loam, fine sand or loamy fine sand, Underlying material textures are loamy fine sand, fine sand, sand or fine sandy loam. Because of the coarse textures and rapid drying of the surface, the soil, if unprotected by plant cover and organic residue, becomes windblown and low hummocks or dunes are formed around shrubs.

Characteristic soils are:

Anthony  
Aguena  
Kermit  
Likes  
Pintura  
Bluepoint

**Table 4. Representative soil features**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Surface texture      | (1) Sand<br>(2) Fine sand<br>(3) Loamy fine sand |
| Family particle size | (1) Sandy                                        |
| Drainage class       | Well drained to excessively drained              |

|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Permeability class                                       | Moderate to very rapid |
| Soil depth                                               | 60–72 in               |
| Surface fragment cover <=3"                              | 0–5%                   |
| Surface fragment cover >3"                               | 0%                     |
| Available water capacity<br>(0–40in)                     | 3–5 in                 |
| Calcium carbonate equivalent<br>(0–40in)                 | 5–15%                  |
| Electrical conductivity<br>(0–40in)                      | 0–4 mmhos/cm           |
| Sodium adsorption ratio<br>(0–40in)                      | 0–2                    |
| Soil reaction (1:1 water)<br>(0–40in)                    | 6.6–7.8                |
| Subsurface fragment volume <=3"<br>(Depth not specified) | 5–10%                  |
| Subsurface fragment volume >3"<br>(Depth not specified)  | 0%                     |

## Ecological dynamics

### Overview

The Deep Sand site occurs adjacent to and/or intergraded with the Sandhills and Sandy sites (SD-3). The Deep Sand site can be distinguished by slopes less than eight percent (approximately five percent) and textural changes at depths greater than 40 inches. The Deep Sand site has well drained soils with a surface texture of sand or loamy fine sand. The Sandhills site has slopes greater than eight percent and textural depths greater than 60 inches. Conversely, the Sandy site has slopes less than five percent and depths to textural change commonly around 20 inches. The historic plant community of the Deep Sand site is dominated primarily by giant dropseed (*Sporobolus giganteus*) and other dropseeds (*S. flexuosus*, *S. contractus*, *S. cryptandrus*), with scattered shinnery oak (*Quercus havardii*) and soapweed yucca (*Yucca glauca*). Other herbaceous species include threeawns (*Aristida* spp.), bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), and annual and perennial forbs distributed relative to precipitation occurrences. Bare ground and litter compose a significant proportion of ground cover while grasses are the remainder. Shinnery oak will increase with an associated decrease in dropseed and bluestem abundance possibly due to climatic change, fire suppression, interspecific competition, and excessive grazing. Continued grass cover loss may result in a transition to a shinnery oak dominated state with increases in sand sage (*Artemisia filifolia*) and honey mesquite (*Prosopis glandulosa*). However, brush management may restore the grassland component and reverse the shinnery oak state back toward the historic plant community.

### State and transition model

Plant Communities and Transitional Pathways (diagram)

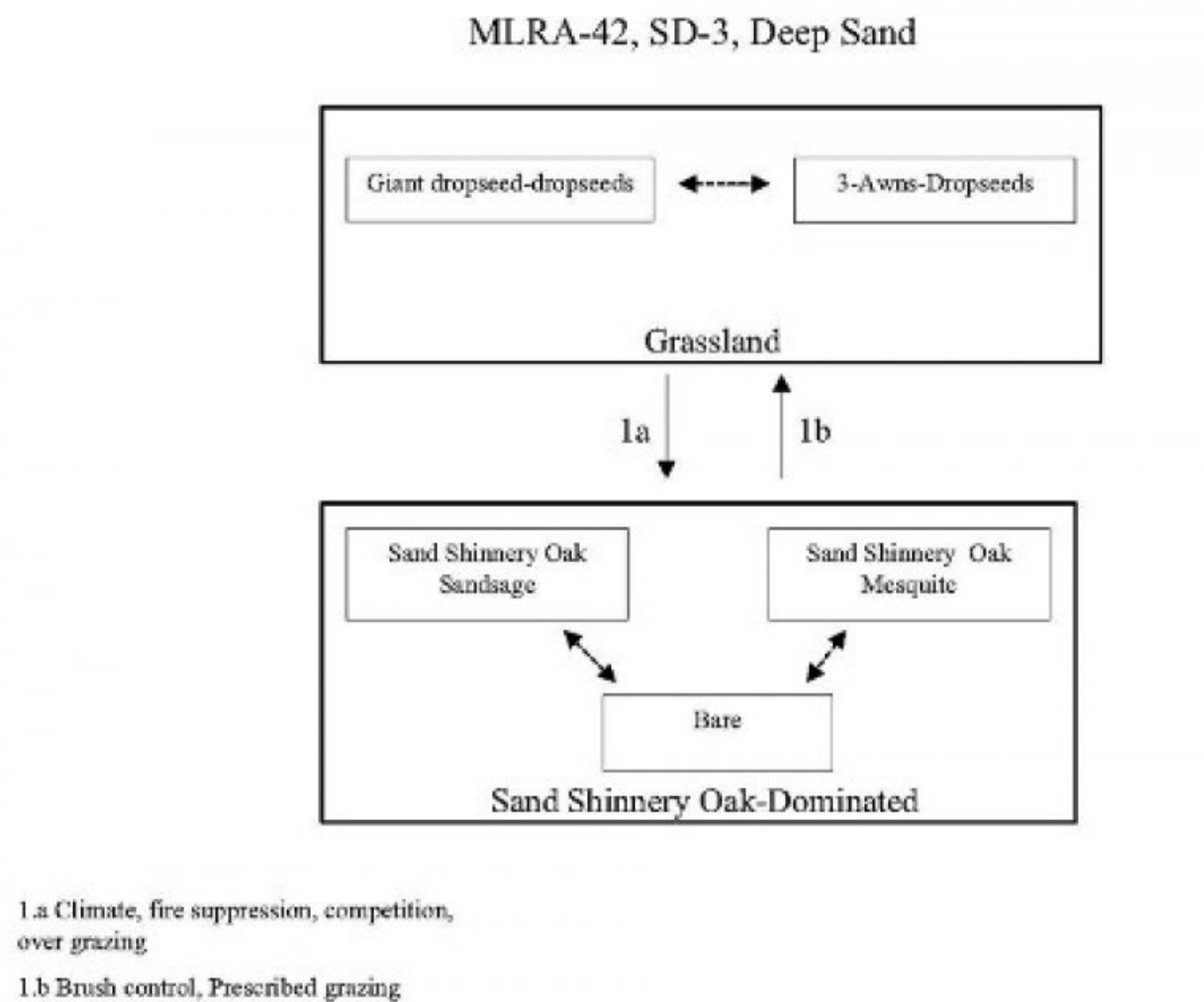


Figure 4.

State 1



## Historic Climax Plant Community

### Community 1.1

#### Historic Climax Plant Community

State Containing Historic Plant Community

Grassland: The historic plant community is dominated by giant dropseed, other dropseeds, threeawns, and bluestems. Dominant woody plants include shinnery oak and soapweed yucca. Forb abundance and distribution varies and is dependent on annual rainfall. The Deep Sand site typically exists in sandy plains and dunes (Sosebee 1983). Grass dominance stabilizes the potentially erosive sandy soils. Historical fire suppression, however, may have contributed to increased woody plant abundance, which has reduced grass species. Further, drought conditions compounded with excessive grazing likely has driven most grass species out of competition with shrubs which has resulted in a shinnery oak dominated state with sand sage and mesquite (Young et al. 1948).

Diagnosis: Grassland dominated by dropseeds, threeawns, and bluestems. Small shrubs, such as shinnery oak and soapweed yucca, and subshrubs are dispersed throughout the grassland.

Other grasses that could appear on this site would include: flatsedge, almejita signalgrass, big bluestem, Indiangrass, fall witchgrass, hairy grama and red lovegrass

Other shrubs include: fourwing saltbush, mesquite, ephedra and broom snakeweed.

Other forbs include: wooly and scarlet gaura, wooly dalea, phlox heliotrope, scorpionweed, deerstongue, fleabane, nama, hoffmanseggia, lemon beebalm and stickleaf.

**Table 5. Annual production by plant type**

| Plant Type      | Low<br>(Lb/Acre) | Representative Value<br>(Lb/Acre) | High<br>(Lb/Acre) |
|-----------------|------------------|-----------------------------------|-------------------|
| Grass/Grasslike | 396              | 858                               | 1320              |
| Shrub/Vine      | 108              | 234                               | 360               |
| Forb            | 96               | 208                               | 320               |
| <b>Total</b>    | <b>600</b>       | <b>1300</b>                       | <b>2000</b>       |

**Table 6. Ground cover**

|                                   |        |
|-----------------------------------|--------|
| Tree foliar cover                 | 0%     |
| Shrub/vine/liana foliar cover     | 0%     |
| Grass/grasslike foliar cover      | 15-20% |
| Forb foliar cover                 | 0%     |
| Non-vascular plants               | 0%     |
| Biological crusts                 | 0%     |
| Litter                            | 35-40% |
| Surface fragments >0.25" and <=3" | 0%     |
| Surface fragments >3"             | 0%     |
| Bedrock                           | 0%     |
| Water                             | 0%     |
| Bare ground                       | 35-40% |

**Figure 6. Plant community growth curve (percent production by month). NM2805, HCPC. SD-3 Deep Sand - Warm season plant community .**

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0   | 0   | 3   | 5   | 10  | 10  | 25  | 30  | 12  | 5   | 0   | 0   |

## State 2

### Shinnery Oak Dominated

#### Community 2.1

#### Shinnery Oak Dominated



**Shinnery Oak Dominated:** This state is dominated by shinnery oak with subdominants of sand sage or mesquite. Bare ground is a significant component in this state as well. Shinnery oak is characterized by dense stands in sandy soils; however, as clay percentage increases, shinnery oak decreases. Shinnery oak abundance and distribution increase with disturbances, such as excessive grazing and fire, due to an aggressive rhizome system. As shinnery oak abundance increases, an associated increase of mesquite, sand sage, and soapweed yucca also occurs. Shinnery oak's extensive root system allows the oak to competitively exclude grasses and forbs. Sand sage, however, stabilizes light sandy soils from wind erosion and can co-exist with herbaceous species by protecting them in heavily grazed conditions (Davis and Bonham 1979). Shinnery oak has been found primarily in very deep, excessively drained, and rapidly permeable soils. Shinnery oak is associated with landforms which are gently undulating to rolling uplands, very gently sloping to moderately steep slopes, and upland plains, alluvial fans and valley sideslopes. Shinnery oak and sand sage can be controlled with herbicide if applied in the spring with a subsequent rest from grazing (Herbel et al. 1979, Pettit 1986). In addition, repetitive seasons of goat browsing can also reduce shinnery oak abundance. Patches should be maintained during brush control, however, to prevent erosion and to provide wildlife cover and forage. Further, as shinnery oak and other shrubs increase, bare patches and erosion will increase due to a lack of herbaceous ground cover.

**Diagnosis:** Shinnery oak dominated with subdominant sand sage, honey mesquite, and soapweed yucca with increasing frequency and size of bare patches.

Transition to Shinnery oak dominated state (1a): The historic plant community begins to shift toward the shinnery oak dominated state as drivers such as climate change, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by an increase of shrub species abundance and bare patch expansion.

Key indicators of approach to transition:

- Loss of grass and forb cover
- Surface soil erosion
- Bare patch expansion
- Increased shrub species abundance and composition

Transition to Historic Plant Community (1b): The shinnery oak dominated state may transition back toward the historic plant community as new drivers are introduced such as prescribed grazing, brush control, and discontinued drought conditions.

## Additional community tables

Table 7. Community 1.1 plant community composition

| Group                  | Common Name                 | Symbol | Scientific Name                | Annual Production (Lb/Acre) | Foliar Cover (%) |
|------------------------|-----------------------------|--------|--------------------------------|-----------------------------|------------------|
| <b>Grass/Grasslike</b> |                             |        |                                |                             |                  |
| 1                      | <b>Warm Season</b>          |        |                                | 450–585                     |                  |
|                        | spike dropseed              | SPCO4  | <i>Sporobolus contractus</i>   | 450–585                     | –                |
|                        | sand dropseed               | SPCR   | <i>Sporobolus cryptandrus</i>  | 450–585                     | –                |
|                        | mesa dropseed               | SPFL2  | <i>Sporobolus flexuosus</i>    | 450–585                     | –                |
|                        | giant dropseed              | SPGI   | <i>Sporobolus giganteus</i>    | 450–585                     | –                |
| 2                      | <b>Warm Season</b>          |        |                                | 65–104                      |                  |
|                        | sand bluestem               | ANHA   | <i>Andropogon hallii</i>       | 65–104                      | –                |
|                        | little bluestem             | SCSC   | <i>Schizachyrium scoparium</i> | 65–104                      | –                |
| 3                      | <b>Warm Season</b>          |        |                                | 39–91                       |                  |
|                        | threeawn                    | ARIST  | <i>Aristida</i>                | 39–91                       | –                |
| 4                      | <b>Warm Season</b>          |        |                                | 13–39                       |                  |
|                        | thin paspalum               | PASE5  | <i>Paspalum setaceum</i>       | 13–39                       | –                |
| 5                      | <b>Warm Season</b>          |        |                                | 13–39                       |                  |
|                        | black grama                 | BOER4  | <i>Bouteloua eriopoda</i>      | 13–39                       | –                |
| 6                      | <b>Warm Season</b>          |        |                                | 13–39                       |                  |
|                        | mat sandbur                 | CELO3  | <i>Cenchrus longispinus</i>    | 13–39                       | –                |
| 7                      | <b>Warm Season</b>          |        |                                | 13–39                       |                  |
|                        | Havard's panicgrass         | PAHA2  | <i>Panicum havardii</i>        | 13–39                       | –                |
| 8                      | <b>Warm Season</b>          |        |                                | 13–65                       |                  |
|                        | plains bristlegass          | SEVU2  | <i>Setaria vulpiseta</i>       | 13–65                       | –                |
| 9                      | <b>Other Annual Grasses</b> |        |                                | 13–65                       |                  |
|                        | Grass, annual               | 2GA    | <i>Grass, annual</i>           | 13–65                       | –                |
| <b>Shrub/Vine</b>      |                             |        |                                |                             |                  |
| 10                     | <b>Shrub</b>                |        |                                | 65–130                      |                  |
|                        | Havard oak                  | QUHA3  | <i>Quercus havardii</i>        | 65–130                      | –                |
| 11                     | <b>Shrub</b>                |        |                                | 13–39                       |                  |

|             |                                             |        |                                                    |        |   |
|-------------|---------------------------------------------|--------|----------------------------------------------------|--------|---|
|             | sand sagebrush                              | ARFI2  | <i>Artemisia filifolia</i>                         | 13–39  | – |
| 12          | <b>Shrub</b>                                |        |                                                    | 65–130 |   |
|             | yucca                                       | YUCCA  | <i>Yucca</i>                                       | 65–130 | – |
| 13          | <b>Shrub</b>                                |        |                                                    | 13–39  |   |
|             | rabbitbrush                                 | CHRY9  | <i>Chrysothamnus</i>                               | 13–39  | – |
| 14          | <b>Other Shrubs</b>                         |        |                                                    | 13–39  |   |
|             | Shrub (>.5m)                                | 2SHRUB | <i>Shrub (&gt;.5m)</i>                             | 13–39  | – |
| <b>Forb</b> |                                             |        |                                                    |        |   |
| 15          | <b>Forb</b>                                 |        |                                                    | 39–91  |   |
|             | croton                                      | CROTO  | <i>Croton</i>                                      | 39–91  | – |
|             | Indian blanket                              | GAPU   | <i>Gaillardia pulchella</i>                        | 39–91  | – |
| 16          | <b>Forb</b>                                 |        |                                                    | 39–91  |   |
|             | aster                                       | ASTER  | <i>Aster</i>                                       | 39–91  | – |
|             | whitest evening primrose                    | OEAL   | <i>Oenothera albicaulis</i>                        | 39–91  | – |
|             | beardtongue                                 | PENST  | <i>Penstemon</i>                                   | 39–91  | – |
| 17          | <b>Forb</b>                                 |        |                                                    | 39–91  |   |
|             | touristplant                                | DIWI2  | <i>Dimorphocarpa wislizeni</i>                     | 39–91  | – |
|             | buckwheat                                   | ERIOG  | <i>Eriogonum</i>                                   | 39–91  | – |
|             | sunflower                                   | HELIA3 | <i>Helianthus</i>                                  | 39–91  | – |
|             | spiny false fiddleleaf                      | HYSP   | <i>Hydrolea spinosa</i>                            | 39–91  | – |
|             | threadleaf ragwort                          | SEFLF  | <i>Senecio flaccidus var. flaccidus</i>            | 39–91  | – |
| 18          | <b>Other Forbs</b>                          |        |                                                    | 13–65  |   |
|             | Forb (herbaceous, not grass nor grass-like) | 2FORB  | <i>Forb (herbaceous, not grass nor grass-like)</i> | 13–65  | – |

## Animal community

This site provides habitat which supports a resident animal population characterized by pronghorn, antelope, black-tailed jackrabbit, spotted ground squirrel, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, meadowlark, roadrunner, white-necked raven, cactus wren, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake and ornate box turtle. In the area called Mescalero Sands, there are white-tailed and mule deer.

## Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Anthony B

Bluepoint A

Kermit A

Aguena A

Likes A

Pintura A

## Recreational uses

This site offers limited recreation potential for hiking, horseback riding, nature observation and photography; game bird, predator, antelope, and deer hunting.



## Wood products

This site has no potential for wood products.

## Other products

This site is suitable for grazing by all kinds and classes of livestock during all seasons of the year. Shinnery oak is toxic in the late bud or early leaf stage. Shinnery oak will increase, as will sand sagebrush following drought. Changes in the fire return interval have also favored an increase in shrub cover. The dropseeds and bluestem will decrease. This site responds very well to brush management and deferment. This site is well suited to a grazing system that rotates the season of use. Nesting habitat for lesser prairie chicken can be improved by providing residual cover that is at least 14 inches high.

## Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.0 – 3.8

75 – 51 3.0 – 6.0

50 – 26 5.0 – 10.0

25 – 0 10.1 +

## Inventory data references

Other References:

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

## Other references

Literature Cited

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. *Journal of Range Management* 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest. Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Sosebee, Ronald E. 1983. Physiological, phenological, and environmental considerations in brush and weed control. In: McDaniel, Kirk C., ed. *Proceedings--brush management symposium; 1983 February 16; Albuquerque, NM.* Denver, CO: Society for Range Management: 27-43.

Young, Vernon A., Anderwald, Frank R., McCully, Wayne G. 1948. Brush problems on Texas ranges. Miscellaneous Publication 21. College Station, TX: Texas Agricultural Experiment Station. 19 p.

## Contributors

Don Sylvester  
Quinn Hodgson

## Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

|                                             |                   |
|---------------------------------------------|-------------------|
| Author(s)/participant(s)                    |                   |
| Contact for lead author                     |                   |
| Date                                        |                   |
| Approved by                                 |                   |
| Approval date                               |                   |
| Composition (Indicators 10 and 12) based on | Annual Production |

## Indicators

### 1. Number and extent of rills:

---

### 2. Presence of water flow patterns:

---

### 3. Number and height of erosional pedestals or terracettes:

---

### 4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):

---

### 5. Number of gullies and erosion associated with gullies:

---

### 6. Extent of wind scoured, blowouts and/or depositional areas:

---

### 7. Amount of litter movement (describe size and distance expected to travel):

---

### 8. Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):

---

### 9. Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):

---

### 10. Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:

- 
11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**
- 

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

---

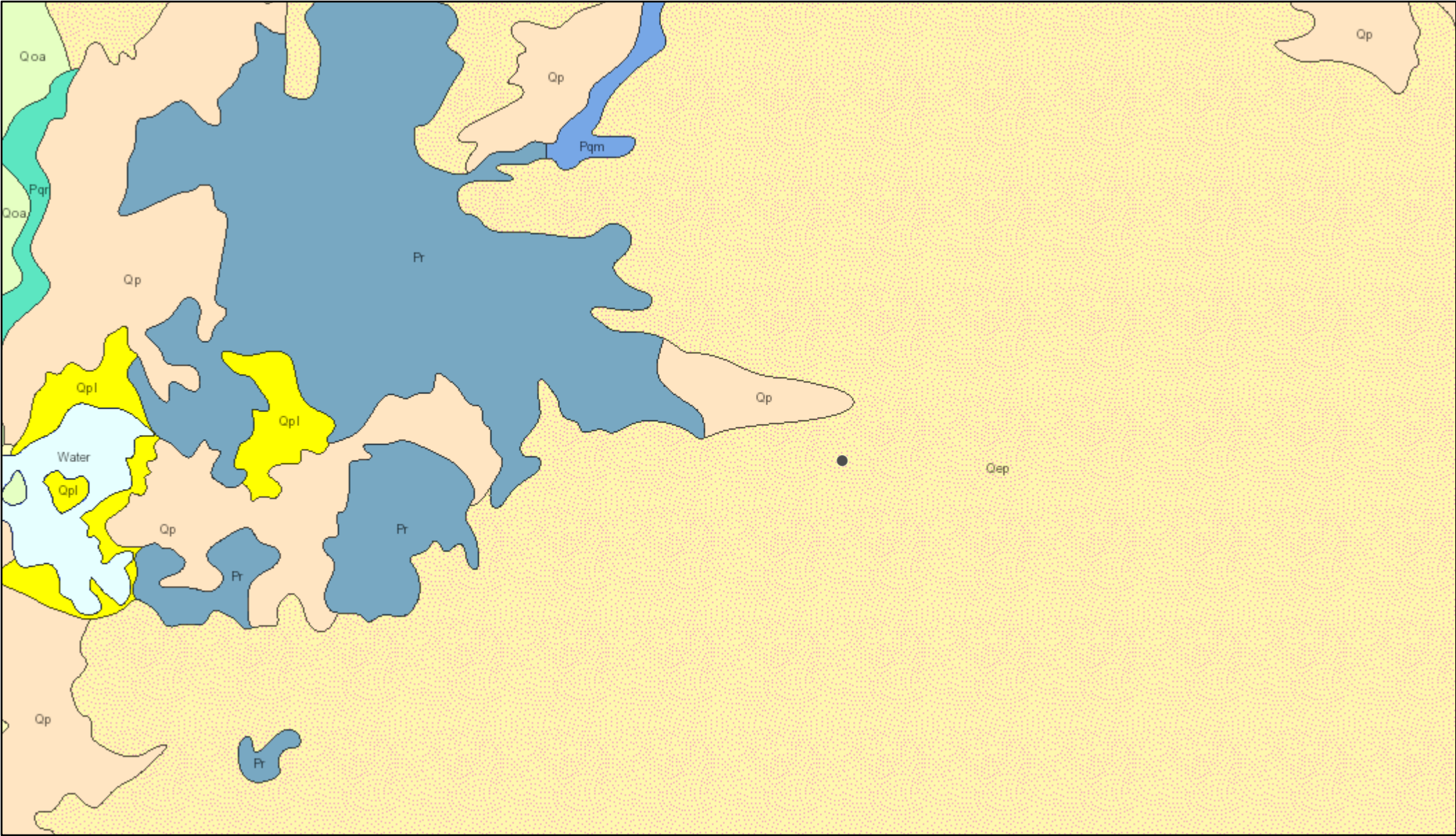
13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**
- 

14. **Average percent litter cover (%) and depth ( in):**
- 

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**
- 

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**
- 

17. **Perennial plant reproductive capability:**
-



7/28/2021, 4:13:38 PM

Lithologic Contacts

— Contact, Exposed

— Contact, Gradational

— Map Boundary

Faults

— Fault, Exposed

..... Fault, Concealed

~ Shere Zone

Dikes

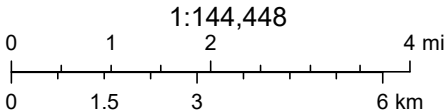
— Fault, Intermittent

— <all other values>

— Dike

— Dike intruding fault

\* Volcanic Vents



NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S.



## **APPENDIX C – Daily Field and Sampling Report(s)**



## Daily Site Visit Report

|                     |                              |                |              |
|---------------------|------------------------------|----------------|--------------|
| Client:             | Devon Energy Corporation     | Incident ID #: |              |
| Site Location Name: | North Pure Gold 8 Federal 11 | API #:         | 30-015-32619 |
| Inspection Date:    | 8/8/2025                     |                |              |

### Summary of Times

|                 |                  |
|-----------------|------------------|
| Arrived at Site | 8/8/2025 9:54 AM |
| Departed Site   | 8/8/2025 3:30 PM |

### Field Notes

**9:54** Completed safety paperwork upon arrival

**11:03** Took confirmation samples of the 4 walls in the excavation area and the base

### Next Steps & Recommendations

1

## Daily Site Visit Report



## Site Photos

Viewing Direction: Northwest



Excavation base was sampled

Viewing Direction: Southwest



Wall samples collected in the excavation

Viewing Direction: Southeast



Base sample 1 was collected inside the 3ft excavation

Viewing Direction: North



SS25-01 north of the excavation



## Daily Site Visit Report

Viewing Direction: North



SS25-02 through SS25-05 north west of the excavation

Viewing Direction: West



SS25-06 east of the excavation

Viewing Direction: West



SS25-06 northeast of the excavation

Viewing Direction: North



SS25-08 through SS25-10 north of the excavation





## Daily Site Visit Report

Viewing Direction: West



SS25-11 taken east of the fenced area

Viewing Direction: Northeast



SS25-12 taken north east of the fenced area

Viewing Direction: North



SS25-13 and 14 northeast of the excavation area

Viewing Direction: Southwest



Sample release are photograph from the northeast

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

A handwritten signature in black ink, appearing to be 'K. Taylor', written over a horizontal line.

Signature



## Daily Site Visit Report

|                     |                              |                |              |
|---------------------|------------------------------|----------------|--------------|
| Client:             | Devon Energy Corporation     | Incident ID #: |              |
| Site Location Name: | North Pure Gold 8 Federal 11 | API #:         | 30-015-32619 |
| Inspection Date:    | 8/11/2025                    |                |              |

### Summary of Times

|                 |                    |
|-----------------|--------------------|
| Arrived at Site | 8/11/2025 12:50 PM |
| Departed Site   | 8/11/2025 3:40 PM  |

### Field Notes

**13:16** Completed safety paperwork upon arrival

**15:39** Sampled and field screened SS25-47 through SS25-53

### Next Steps & Recommendations

1

# Daily Site Visit Report



## Site Photos

Viewing Direction: South



Descriptive Photo - 1  
Viewing Direction: South  
Desc: Samples collected along the east side of the release  
Created: 8/11/2025 1:58:02 PM  
Lat:32.315843, Long:-103.795201

Samples collected along the east side of the release

Viewing Direction: South



Descriptive Photo - 2  
Viewing Direction: Southwest  
Desc: SS25-47 and SS25-48  
Created: 8/11/2025 3:37:11 PM  
Lat:32.315323, Long:-103.795116

SS25-47 and SS25-48

Viewing Direction: East



Descriptive Photo - 3  
Viewing Direction: East  
Desc: SS25-49 and SS25-50  
Created: 8/11/2025 3:37:48 PM  
Lat:32.315487, Long:-103.795225

SS25-49 and SS25-50

Viewing Direction: Northwest



Descriptive Photo - 4  
Viewing Direction: Northwest  
Desc: SS25-51, SS25-52, and SS25-53  
Created: 8/11/2025 3:38:38 PM  
Lat:32.315524, Long:-103.795197

SS25-51, SS25-52, and SS25-53



## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Katrina Taylor

**Signature:**

A handwritten signature in black ink, appearing to be 'KT', written over a horizontal line. Below the line, the word 'Signature' is printed in a small font.



## Daily Site Visit Report

|                     |                              |                |              |
|---------------------|------------------------------|----------------|--------------|
| Client:             | Devon Energy Corporation     | Incident ID #: |              |
| Site Location Name: | North Pure Gold 8 Federal 11 | API #:         | 30-015-32619 |
| Inspection Date:    | 8/14/2025                    |                |              |

### Summary of Times

|                 |                   |
|-----------------|-------------------|
| Arrived at Site | 8/14/2025 8:20 AM |
| Departed Site   | 8/14/2025 6:03 PM |

### Field Notes

**9:21** Completed safety paperwork upon arrival

**17:57** Surface Samples 15 through 46 were collected, field screened on EC, and spot checked with titrations + TPH for accuracy

**17:57** Full site photographs are included in this DFR

### Next Steps & Recommendations

1

## Daily Site Visit Report



## Site Photos

Viewing Direction: North



SS25-36 and 37

Viewing Direction: North



SS25-38, 39, and 40

Viewing Direction: West



Northeast area of sampling

Viewing Direction: North



SS25-41 and 42



## Daily Site Visit Report

|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Viewing Direction: North</p>  <p>Descriptive Photo - 5<br/>Viewing Direction: North<br/>Desc: SS25-43, 44, and 45<br/>Created: 8/14/2025 10:38:27 AM<br/>Lat:32.315440, Long:-103.798169</p> | <p>Viewing Direction: North</p>  <p>Descriptive Photo - 6<br/>Viewing Direction: North<br/>Desc: SS25-31, 32, and 33<br/>Created: 8/14/2025 11:48:28 AM<br/>Lat:32.315370, Long:-103.798277</p> |
| SS25-43, 44, and 45                                                                                                                                                                                                                                                              | SS25-31, 32, and 33                                                                                                                                                                                                                                                                |
| <p>Viewing Direction: North</p>  <p>Descriptive Photo - 7<br/>Viewing Direction: North<br/>Desc: SS25-34 and 35<br/>Created: 8/14/2025 11:47:32 AM<br/>Lat:32.315360, Long:-103.798282</p>     | <p>Viewing Direction: North</p>  <p>Descriptive Photo - 8<br/>Viewing Direction: North<br/>Desc: SS25-26 and 27<br/>Created: 8/14/2025 12:48:21 PM<br/>Lat:32.315351, Long:-103.798336</p>     |
| SS25-34 and 35                                                                                                                                                                                                                                                                   | SS25-26 and 27                                                                                                                                                                                                                                                                     |





## Daily Site Visit Report

|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Viewing Direction: North</b></p>  <p>Descriptive Photo - 8<br/>Viewing Direction: North<br/>Desc: SS25-28 and 29. 29 was taken around the wellhead<br/>Created: 8/14/2025 12:47:24 PM<br/>Lat:32.315513, Long:-103.795381</p> <p>SS25-28 and 29. 29 was taken around the wellhead</p> | <p><b>Viewing Direction: South</b></p>  <p>Descriptive Photo - 10<br/>Viewing Direction: South<br/>Desc: SS25-30 north of the well head<br/>Created: 8/14/2025 12:48:18 PM<br/>Lat:32.315589, Long:-103.795386</p> <p>SS25-30 north of the well head</p> |
| <p><b>Viewing Direction: North</b></p>  <p>Descriptive Photo - 11<br/>Viewing Direction: North<br/>Desc: SS25-21, 22, and 23<br/>Created: 8/14/2025 1:58:38 PM<br/>Lat:32.315594, Long:-103.795419</p> <p>SS25-21, 22, and 23</p>                                                          | <p><b>Viewing Direction: North</b></p>  <p>Descriptive Photo - 12<br/>Viewing Direction: North<br/>Desc: SS25-16 and SS25-17<br/>Created: 8/14/2025 2:44:47 PM<br/>Lat:32.315576, Long:-103.795441</p> <p>SS25-16 and SS25-17</p>                       |



## Daily Site Visit Report

Viewing Direction: West



SS25-46 around the electrical box

Viewing Direction: North



SS25-18, 19, and 20

Viewing Direction: West



SS25-20 and SS25-15

Viewing Direction: Northwest



Release area from the southeast corner





## Daily Site Visit Report

|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Viewing Direction: West</b></p>  <p><small>Descriptive Photo - 17<br/>Viewing Direction: West<br/>Date: Release area from the eastern side<br/>Created: 8/14/2025 2:30:27 PM<br/>Lat: 32.174955, Long: -103.705155</small></p> | <p><b>Viewing Direction: West</b></p>  <p><small>Descriptive Photo - 18<br/>Viewing Direction: West<br/>Date: Release area from the northeast corner<br/>Created: 8/14/2025 2:30:30 PM<br/>Lat: 32.174955, Long: -103.705155</small></p>            |
| Release area from the eastern side                                                                                                                                                                                                                                                                                    | Release area from the northeast corner                                                                                                                                                                                                                                                                                                 |
| <p><b>Viewing Direction: South</b></p>  <p><small>Descriptive Photo - 19<br/>Viewing Direction: South<br/>Date: Release area from the north<br/>Created: 8/14/2025 2:30:33 PM<br/>Lat: 32.174955, Long: -103.705155</small></p>     | <p><b>Viewing Direction: Southeast</b></p>  <p><small>Descriptive Photo - 20<br/>Viewing Direction: Southeast<br/>Date: Release area from the northwest corner<br/>Created: 8/14/2025 2:30:36 PM<br/>Lat: 32.174955, Long: -103.705155</small></p> |
| Release area from the north                                                                                                                                                                                                                                                                                           | Release area from the northwest corner                                                                                                                                                                                                                                                                                                 |



## Daily Site Visit Report

Viewing Direction: East



Release area from the west

Viewing Direction: North



Release area from the south overlooking the excavation area

Viewing Direction: Southwest



Excavation area from the southwest



## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Katrina Taylor

**Signature:**

A handwritten signature in black ink, appearing to be 'KT' or similar, written over a horizontal line.

Signature



# Daily Site Visit Report

|                     |                              |                |              |
|---------------------|------------------------------|----------------|--------------|
| Client:             | Devon Energy Corporation     | Incident ID #: |              |
| Site Location Name: | North Pure Gold 8 Federal 11 | API #:         | 30-015-32619 |
| Inspection Date:    | 8/22/2025                    |                |              |

## Summary of Times

|                 |                   |
|-----------------|-------------------|
| Arrived at Site | 8/22/2025 3:59 PM |
| Departed Site   | 8/22/2025 4:53 PM |

## Field Notes

**18:30** JSA has been filled out on site

**18:32** Site visit to view area

**18:32** Excavation has been backfilled

## Next Steps & Recommendations

1



# Daily Site Visit Report

## Site Photos

### Viewing Direction: Northwest



Excavation area has been backfilled.  
Excavation area was within the green lines.  
Image taken from the Southeast corner of  
where the excavation was located.

### Viewing Direction: Northwest



Excavation area has been backfilled.  
Excavation area was within the green lines.  
Image taken from the east end of where the  
excavation was located.



## Daily Site Visit Report

### Viewing Direction: Southeast



Excavation area has been backfilled. Image taken from the West end where the excavation was located.

### Viewing Direction: Southeast



Site view of the area from the Northeast corner

### Viewing Direction: Northwest



Site view of the area from the Northeast corner



## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sharon Minnix

**Signature:**

A handwritten signature in black ink, appearing to be 'S. Minnix', written over a horizontal line. The word 'Signature' is printed in small text below the line.

## **APPENDIX D – Notification(s)**



Outlook

---

**RE: [EXTERNAL] nAB1727057447, nAB1813442138, nMAP1826042805, and nAPP2106151044 Sampling Variance Request**

---

**From** Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>

**Date** Fri 8/8/2025 11:53 AM

**To** Sally Carttar <SCarttar@vertexresource.com>; Kent Stallings <kstallings@vertexresource.com>; Raley, Jim <jim.rale@dyn.com>

**Caution:** This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Good morning,

The OCD approves the sampling variance request for surface samples to be collected every 400 sq. feet at the North Pure Gold 8 Federal 11 site. Please include a copy of this correspondence with your report submission.

Thank you,

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

**Sent:** Wednesday, August 6, 2025 8:50 AM

**To:** Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>

**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

**Subject:** FW: [EXTERNAL] nAB1727057447, nAB1813442138, nMAP1826042805, and nAPP2106151044 Sampling Variance Request

---

**From:** Sally Carttar <[SCarttar@vertexresource.com](mailto:SCarttar@vertexresource.com)>

**Sent:** Tuesday, August 5, 2025 1:45 PM

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

**Cc:** Kent Stallings <[kstallings@vertexresource.com](mailto:kstallings@vertexresource.com)>; Raley, Jim <[jim.rale@dyn.com](mailto:jim.rale@dyn.com)>

**Subject:** [EXTERNAL] nAB1727057447, nAB1813442138, nMAP1826042805, and nAPP2106151044 Sampling Variance Request

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

Good afternoon,

Devon is requesting a 400 sq.ft. sampling variance for surface samples at the North Pure Gold 8 Federal 11, incident IDs nAB1727057447, nAB1813442138, nMAP1826042805, and nAPP2106151044. The remaining sampling area is approximately 21,028 square feet, all of which is on-pad and was shown during delineation to meet on-pad criteria. Samples of all excavation areas (255 sq.ft.) will be collected as described in 19.15.29.12, each representative of no more than 200 sq.ft.

All samples will be analyzed at an accredited laboratory to ensure that all samples are below NMOCD closure criteria for a release >100 feet depth to groundwater.

I have attached the approved remediation plan for the releases.

Best regards,

**Sally Carttar**

Project Manager  
Vertex Resource Services Inc.  
3101 Boyd Drive  
Carlsbad, NM 88220

**C 575.361.3561**

**O 575.725.5001**

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

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## **APPENDIX E – Laboratory Data Report(s) and Chain of Custody Form(s)**



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kent Stallings  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 8/15/2025 1:28:31 PM

## JOB DESCRIPTION

North Pure Gold 8 Federal 011

## JOB NUMBER

885-30730-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
8/15/2025 1:28:31 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Laboratory Job ID: 885-30730-1

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Definitions/Glossary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description                                   |
|-----------|---------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Vertex  
Project: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

**Job ID: 885-30730-1**

**Eurofins Albuquerque**

### Job Narrative 885-30730-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 8/12/2025 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

Method 8015D\_DRO: The continuing calibration verification (CCV) associated with batch 885-32313 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: WS25-02 0-3' (885-30730-3), WS25-03 0-3' (885-30730-4), WS25-04 0-3' (885-30730-5) and (885-30639-A-7-D).

Method 8015D\_DRO: Surrogate recovery for the following samples were outside the upper control limit: WS25-03 0-3' (885-30730-4) and (885-30639-A-7-D). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: BS25-01 3'

Lab Sample ID: 885-30730-1

Date Collected: 08/08/25 10:50

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 23:23 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 170       |           | 9.9      | mg/Kg |   | 08/13/25 10:06 | 08/15/25 11:37 | 1       |
| Motor Oil Range Organics [C28-C40] | 590       |           | 49       | mg/Kg |   | 08/13/25 10:06 | 08/15/25 11:37 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 131       |           | 62 - 134 |       |   | 08/13/25 10:06 | 08/15/25 11:37 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2800   |           | 60 | mg/Kg |   | 08/13/25 09:16 | 08/13/25 12:59 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: WS25-01 0-3'

Lab Sample ID: 885-30730-2

Date Collected: 08/08/25 10:10

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 23:47 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 16        |           | 9.8      | mg/Kg |   | 08/13/25 10:06 | 08/15/25 12:20 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/13/25 10:06 | 08/15/25 12:20 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 109       |           | 62 - 134 |       |   | 08/13/25 10:06 | 08/15/25 12:20 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3200   |           | 60 | mg/Kg |   | 08/13/25 09:16 | 08/13/25 13:08 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: WS25-02 0-3'

Lab Sample ID: 885-30730-3

Date Collected: 08/08/25 10:20

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:10 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.8      | mg/Kg |   | 08/13/25 10:06 | 08/14/25 14:31 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/13/25 10:06 | 08/14/25 14:31 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 107       |           | 62 - 134 |       |   | 08/13/25 10:06 | 08/14/25 14:31 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 6500   |           | 60 | mg/Kg |   | 08/13/25 09:16 | 08/13/25 13:18 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: WS25-03 0-3'

Lab Sample ID: 885-30730-4

Date Collected: 08/08/25 10:30

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:34 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.9      | mg/Kg |   | 08/13/25 10:06 | 08/14/25 14:53 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/13/25 10:06 | 08/14/25 14:53 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 143       | S1+       | 62 - 134 |       |   | 08/13/25 10:06 | 08/14/25 14:53 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 260    |           | 60 | mg/Kg |   | 08/13/25 09:16 | 08/13/25 13:28 | 20      |

Eurofins Albuquerque

## Client Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: WS25-04 0-3'

Lab Sample ID: 885-30730-5

Date Collected: 08/08/25 10:40

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 96        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |
| Xylenes, Total              | ND        |           | 0.094    | mg/Kg |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/12/25 17:28 | 08/14/25 00:58 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.0      | mg/Kg |   | 08/13/25 10:06 | 08/14/25 15:05 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 45       | mg/Kg |   | 08/13/25 10:06 | 08/14/25 15:05 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 116       |           | 62 - 134 |       |   | 08/13/25 10:06 | 08/14/25 15:05 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 150    |           | 60 | mg/Kg |   | 08/13/25 09:16 | 08/13/25 13:38 | 20      |

Eurofins Albuquerque

## QC Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-32173/1-A

Matrix: Solid

Analysis Batch: 32294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32173

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND              |                 | 5.0      | mg/Kg |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |
| Surrogate                               | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 91              |                 | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |

Lab Sample ID: LCS 885-32173/2-A

Matrix: Solid

Analysis Batch: 32294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32173

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 25.0             | 21.6             |                  | mg/Kg |   | 86   | 70 - 130       |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 188              |                  | 15 - 150         |       |   |      |                |

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32173/1-A

Matrix: Solid

Analysis Batch: 32293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32173

| Analyte                     | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND              |                 | 0.025    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |
| Ethylbenzene                | ND              |                 | 0.050    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |
| Toluene                     | ND              |                 | 0.050    | mg/Kg |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |
| Xylenes, Total              | ND              |                 | 0.10     | mg/Kg |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |
| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 81              |                 | 15 - 150 |       |   | 08/12/25 17:28 | 08/13/25 22:59 | 1       |

Lab Sample ID: LCS 885-32173/3-A

Matrix: Solid

Analysis Batch: 32293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32173

| Analyte                     | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Benzene                     | 1.00             | 0.873            |                  | mg/Kg |   | 87   | 70 - 130       |
| Ethylbenzene                | 1.00             | 0.867            |                  | mg/Kg |   | 87   | 70 - 130       |
| m-Xylene & p-Xylene         | 2.00             | 1.82             |                  | mg/Kg |   | 91   | 70 - 130       |
| o-Xylene                    | 1.00             | 0.867            |                  | mg/Kg |   | 87   | 70 - 130       |
| Toluene                     | 1.00             | 0.872            |                  | mg/Kg |   | 87   | 70 - 130       |
| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr) | 82               |                  | 15 - 150         |       |   |      |                |

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## QC Sample Results

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-32212/1-A

Matrix: Solid

Analysis Batch: 32313

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32212

| Analyte                            | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND              |                 | 10       | mg/Kg |   | 08/13/25 10:06 | 08/14/25 12:52 | 1       |
| Motor Oil Range Organics [C28-C40] | ND              |                 | 50       | mg/Kg |   | 08/13/25 10:06 | 08/14/25 12:52 | 1       |
| Surrogate                          | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 116             |                 | 62 - 134 |       |   | 08/13/25 10:06 | 08/14/25 12:52 | 1       |

Lab Sample ID: LCS 885-32212/2-A

Matrix: Solid

Analysis Batch: 32313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32212

| Analyte                            | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Diesel Range Organics<br>[C10-C28] | 50.0             | 57.7             |                  | mg/Kg |   | 115  | 51 - 148       |
| Surrogate                          | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| Di-n-octyl phthalate (Surr)        | 122              |                  | 62 - 134         |       |   |      |                |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32198/1-A

Matrix: Solid

Analysis Batch: 32211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32198

| Analyte   | MB<br>Result     | MB<br>Qualifier  | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|------------------|------------------|--------|-------|---|----------------|----------------|---------|
| Chloride  | ND               |                  | 1.5    | mg/Kg |   | 08/13/25 09:16 | 08/13/25 10:40 | 1       |
| Surrogate | LCS<br>%Recovery | LCS<br>Qualifier | Limits |       |   |                |                |         |
| Chloride  | 15.0             |                  | 14.7   | mg/Kg |   | 98             | 90 - 110       |         |

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## QC Association Summary

Client: Vertex

Job ID: 885-30730-1

Project/Site: North Pure Gold 8 Federal 011

## GC VOA

## Prep Batch: 32173

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | 5030C  |            |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | 5030C  |            |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 5030C  |            |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 5030C  |            |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 5030C  |            |
| MB 885-32173/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32173/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32173/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |

## Analysis Batch: 32293

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | 8021B  | 32173      |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | 8021B  | 32173      |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 8021B  | 32173      |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 8021B  | 32173      |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 8021B  | 32173      |
| MB 885-32173/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32173      |
| LCS 885-32173/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32173      |

## Analysis Batch: 32294

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | 8015M/D | 32173      |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | 8015M/D | 32173      |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 8015M/D | 32173      |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 8015M/D | 32173      |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 8015M/D | 32173      |
| MB 885-32173/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32173      |
| LCS 885-32173/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32173      |

## GC Semi VOA

## Prep Batch: 32212

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | SHAKE  |            |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | SHAKE  |            |
| MB 885-32212/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-32212/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 32313

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 8015M/D | 32212      |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 8015M/D | 32212      |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 8015M/D | 32212      |
| MB 885-32212/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32212      |
| LCS 885-32212/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32212      |

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QC Association Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

GC Semi VOA

Analysis Batch: 32439

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30730-1   | BS25-01 3'       | Total/NA  | Solid  | 8015M/D | 32212      |
| 885-30730-2   | WS25-01 0-3'     | Total/NA  | Solid  | 8015M/D | 32212      |

HPLC/IC

Prep Batch: 32198

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | 300_Prep |            |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 300_Prep |            |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 300_Prep |            |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32198/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32198/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

Analysis Batch: 32211

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30730-1       | BS25-01 3'         | Total/NA  | Solid  | 300.0  | 32198      |
| 885-30730-2       | WS25-01 0-3'       | Total/NA  | Solid  | 300.0  | 32198      |
| 885-30730-3       | WS25-02 0-3'       | Total/NA  | Solid  | 300.0  | 32198      |
| 885-30730-4       | WS25-03 0-3'       | Total/NA  | Solid  | 300.0  | 32198      |
| 885-30730-5       | WS25-04 0-3'       | Total/NA  | Solid  | 300.0  | 32198      |
| MB 885-32198/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32198      |
| LCS 885-32198/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32198      |

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

Client Sample ID: BS25-01 3'

Lab Sample ID: 885-30730-1

Date Collected: 08/08/25 10:50

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32294        | JP      | EET ALB | 08/13/25 23:23       |
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32293        | JP      | EET ALB | 08/13/25 23:23       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32212        | JM      | EET ALB | 08/13/25 10:06       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32439        | JE      | EET ALB | 08/15/25 11:37       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32198        | RC      | EET ALB | 08/13/25 09:16       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 12:59       |

Client Sample ID: WS25-01 0-3'

Lab Sample ID: 885-30730-2

Date Collected: 08/08/25 10:10

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32294        | JP      | EET ALB | 08/13/25 23:47       |
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32293        | JP      | EET ALB | 08/13/25 23:47       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32212        | JM      | EET ALB | 08/13/25 10:06       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32439        | JE      | EET ALB | 08/15/25 12:20       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32198        | RC      | EET ALB | 08/13/25 09:16       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 13:08       |

Client Sample ID: WS25-02 0-3'

Lab Sample ID: 885-30730-3

Date Collected: 08/08/25 10:20

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32294        | JP      | EET ALB | 08/14/25 00:10       |
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32293        | JP      | EET ALB | 08/14/25 00:10       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32212        | JM      | EET ALB | 08/13/25 10:06       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32313        | JE      | EET ALB | 08/14/25 14:31       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32198        | RC      | EET ALB | 08/13/25 09:16       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 13:18       |

Client Sample ID: WS25-03 0-3'

Lab Sample ID: 885-30730-4

Date Collected: 08/08/25 10:30

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32294        | JP      | EET ALB | 08/14/25 00:34       |

Eurofins Albuquerque



Lab Chronicle

Client: Vertex

Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

Client Sample ID: WS25-03 0-3'

Lab Sample ID: 885-30730-4

Date Collected: 08/08/25 10:30

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32293        | JP      | EET ALB | 08/14/25 00:34       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32212        | JM      | EET ALB | 08/13/25 10:06       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32313        | JE      | EET ALB | 08/14/25 14:53       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32198        | RC      | EET ALB | 08/13/25 09:16       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 13:28       |

Client Sample ID: WS25-04 0-3'

Lab Sample ID: 885-30730-5

Date Collected: 08/08/25 10:40

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32294        | JP      | EET ALB | 08/14/25 00:58       |
| Total/NA  | Prep       | 5030C        |     |                 | 32173        | KLS     | EET ALB | 08/12/25 17:28       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32293        | JP      | EET ALB | 08/14/25 00:58       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32212        | JM      | EET ALB | 08/13/25 10:06       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32313        | JE      | EET ALB | 08/14/25 15:05       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32198        | RC      | EET ALB | 08/13/25 09:16       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 13:38       |

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30730-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|--------------------------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-27-26                             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                              |
| 300.0                                                                                                                                                                                                 | 300_Prep    | Solid                 | Chloride                             |
| 8015M/D                                                                                                                                                                                               | 5030C       | Solid                 | Gasoline Range Organics (GRO)-C6-C10 |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Diesel Range Organics [C10-C28]      |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Motor Oil Range Organics [C28-C40]   |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Benzene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Ethylbenzene                         |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Toluene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Xylenes, Total                       |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-26-26                             |



Tel. 505-345-3975      Fax 505-345-4107

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Turn-Around Time: | <input type="checkbox"/> Standard <input checked="" type="checkbox"/> <b>48-hour Rush</b> |
| Project Name:     | <b>North Pure Gold 8 Federal 011</b>                                                      |
| Project #:        | <b>25A-02298</b>                                                                          |
| Project Manager:  | Kent Stallings<br><a href="mailto:kstallings@vertex.ca">kstallings@vertex.ca</a>          |
| Sampler:          | K. Taylor                                                                                 |
| On Ice:           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                       |
| # of Coolers:     | 1                                                                                         |

[illegible][illegible]

|                                                                                     |         |         |      |
|-------------------------------------------------------------------------------------|---------|---------|------|
| Received by:                                                                        | Via:    | Date    | Time |
|  | -       | 8/11/25 | 700  |
| Received by:                                                                        | Via:    | Date    | Time |
|  | Courier | 8/12/25 | 7:30 |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

## Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-30730-1

Login Number: 30730

List Source: Eurofins Albuquerque

List Number: 1

Creator: Alderette, Joseph

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | True   |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | N/A    |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kent Stallings  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 8/19/2025 3:28:19 PM

## JOB DESCRIPTION

North Pure Gold 8 Federal 011

## JOB NUMBER

885-30757-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
8/19/2025 3:28:19 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Laboratory Job ID: 885-30757-1

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Definitions/Glossary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Vertex  
Project: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

**Job ID: 885-30757-1**

**Eurofins Albuquerque**

### Job Narrative 885-30757-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

#### Receipt

The samples were received on 8/12/2025 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

#### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-01 0'

Lab Sample ID: 885-30757-1

Date Collected: 08/08/25 13:00

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 07:18 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:02 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:02 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 99        |           | 62 - 134 |       |   | 08/13/25 12:18 | 08/14/25 19:02 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 6700   |           | 60 | mg/Kg |   | 08/13/25 12:04 | 08/13/25 20:02 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-02 0'

Lab Sample ID: 885-30757-2

Date Collected: 08/08/25 13:05

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 95        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 07:40 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 9.3       |           | 9.2      | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:26 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 46       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:26 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 93        |           | 62 - 134 |       |   | 08/13/25 12:18 | 08/14/25 19:26 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2000   |           | 60 | mg/Kg |   | 08/13/25 12:04 | 08/13/25 20:12 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-03 0'

Lab Sample ID: 885-30757-3

Date Collected: 08/08/25 13:10

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 94        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 08:02 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.1      | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:50 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 46       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 19:50 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 98        |           | 62 - 134 |       |   | 08/13/25 12:18 | 08/14/25 19:50 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3400   |           | 60 | mg/Kg |   | 08/13/25 12:04 | 08/13/25 20:41 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-04 0'

Lab Sample ID: 885-30757-4

Date Collected: 08/08/25 13:15

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 94        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 15 - 150 |       |   | 08/13/25 10:32 | 08/15/25 08:23 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 8.7      | mg/Kg |   | 08/13/25 12:18 | 08/14/25 20:14 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 44       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 20:14 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 80        |           | 62 - 134 |       |   | 08/13/25 12:18 | 08/14/25 20:14 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 970    |           | 60 | mg/Kg |   | 08/13/25 12:04 | 08/13/25 20:51 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-05 0'

Lab Sample ID: 885-30757-5

Date Collected: 08/08/25 13:20

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 96        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:32 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:14 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:14 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 104       |           | 62 - 134 |       |   | 08/15/25 10:08 | 08/18/25 12:14 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1100   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 22:59 | 20      |

Eurofins Albuquerque

## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-06 0'

Lab Sample ID: 885-30757-6

Date Collected: 08/08/25 13:25

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 22:07 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 15        |           | 9.5      | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:25 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:25 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 104       |           | 62 - 134 |       |   | 08/15/25 10:08 | 08/18/25 12:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 4200   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:09 | 20      |

Eurofins Albuquerque



## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-07 0'

Lab Sample ID: 885-30757-7

Date Collected: 08/08/25 13:30

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |
| Xylenes, Total              | ND        |           | 0.094    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 23:41 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 18        |           | 9.4      | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:36 | 1       |
| Motor Oil Range Organics [C28-C40] | 51        |           | 47       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:36 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 111       |           | 62 - 134 |       |   | 08/15/25 10:08 | 08/18/25 12:36 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1200   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:19 | 20      |

Eurofins Albuquerque

## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-08 0'

Lab Sample ID: 885-30757-8

Date Collected: 08/08/25 13:35

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 89        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:05 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 12        |           | 10       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:47 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 50       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:47 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 114       |           | 62 - 134 |       |   | 08/15/25 10:08 | 08/18/25 12:47 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 4200   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:28 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-09 0'

Lab Sample ID: 885-30757-9

Date Collected: 08/08/25 13:40

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:28 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 13        |           | 10       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:58 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 50       | mg/Kg |   | 08/15/25 10:08 | 08/18/25 12:58 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 94        |           | 62 - 134 |       |   | 08/15/25 10:08 | 08/18/25 12:58 | 1       |
| Di-n-octyl phthalate (Surr)        | 94        |           | 62 - 134 |       |   | 08/18/25 11:54 | 08/18/25 16:08 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2000   |           | 59 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:38 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-10 0'

Lab Sample ID: 885-30757-10

Date Collected: 08/08/25 13:45

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 94        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 00:52 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.6      | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:23 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:23 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 92        |           | 62 - 134 |       |   | 08/18/25 11:54 | 08/18/25 15:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3200   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:48 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-11 0'

Lab Sample ID: 885-30757-11

Date Collected: 08/08/25 13:50

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |
| Xylenes, Total              | ND        |           | 0.094    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 01:16 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 100       |           | 9.7      | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:34 | 1       |
| Motor Oil Range Organics [C28-C40] | 180       |           | 48       | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:34 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/18/25 11:54 | 08/18/25 15:34 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1800   |           | 59 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 23:58 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-12 0'

Lab Sample ID: 885-30757-12

Date Collected: 08/08/25 13:55

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 01:40 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 18        |           | 10       | mg/Kg |   | 08/19/25 10:49 | 08/19/25 13:07 | 1       |
| Motor Oil Range Organics [C28-C40] | 86        |           | 50       | mg/Kg |   | 08/19/25 10:49 | 08/19/25 13:07 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/19/25 10:49 | 08/19/25 13:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 4100   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 00:08 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-13 0'

Lab Sample ID: 885-30757-13

Date Collected: 08/08/25 14:00

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 94        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 02:04 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 31        |           | 9.4      | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:45 | 1       |
| Motor Oil Range Organics [C28-C40] | 86        |           | 47       | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:45 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 91        |           | 62 - 134 |       |   | 08/18/25 11:54 | 08/18/25 15:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 620    |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 00:37 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-14 0'

Lab Sample ID: 885-30757-14

Date Collected: 08/08/25 14:05

Matrix: Solid

Date Received: 08/12/25 07:30

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 94        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/15/25 02:27 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:56 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/18/25 11:54 | 08/18/25 15:56 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 100       |           | 62 - 134 |       |   | 08/18/25 11:54 | 08/18/25 15:56 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 790    |           | 61 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 00:47 | 20      |

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## QC Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-32222/1-A

Matrix: Solid

Analysis Batch: 32383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32222

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND              |                 | 5.0      | mg/Kg |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |
| Surrogate                               | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 95              |                 | 15 - 150 |       |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |

Lab Sample ID: LCS 885-32222/2-A

Matrix: Solid

Analysis Batch: 32383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32222

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 25.0             | 21.0             |                  | mg/Kg |   | 84   | 70 - 130       |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 205              |                  | 15 - 150         |       |   |      |                |

Lab Sample ID: MB 885-32260/1-A

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND              |                 | 5.0      | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Surrogate                               | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 96              |                 | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |

Lab Sample ID: LCS 885-32260/2-A

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 25.0             | 24.2             |                  | mg/Kg |   | 97   | 70 - 130       |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 197              |                  | 15 - 150         |       |   |      |                |

Lab Sample ID: 885-30757-5 MS

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: SS25-05 0'

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND               |                     | 24.9           | 26.0         |                 | mg/Kg |   | 104  | 70 - 130       |

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## QC Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-30757-5 MS

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: SS25-05 0'

Prep Type: Total/NA

Prep Batch: 32260

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 202       |           | 15 - 150 |

Lab Sample ID: 885-30757-5 MSD

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: SS25-05 0'

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | ND            |                  | 25.0        | 26.5       |               | mg/Kg |   | 106  | 70 - 130    | 2   | 20        |
|                                      | MSD           | MSD              |             |            |               |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)          | 200           |                  | 15 - 150    |            |               |       |   |      |             |     |           |

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32222/1-A

Matrix: Solid

Analysis Batch: 32382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32222

| Analyte                     | MB Result | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |              | 0.025    | mg/Kg |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |
| Ethylbenzene                | ND        |              | 0.050    | mg/Kg |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |
| Toluene                     | ND        |              | 0.050    | mg/Kg |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |
| Xylenes, Total              | ND        |              | 0.10     | mg/Kg |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |
|                             | MB        | MB           |          |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier    | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |              | 15 - 150 |       |   | 08/13/25 10:32 | 08/14/25 23:19 | 1       |

Lab Sample ID: LCS 885-32222/3-A

Matrix: Solid

Analysis Batch: 32382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32222

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene                     | 1.00        | 1.07       |               | mg/Kg |   | 107  | 70 - 130    |
| Ethylbenzene                | 1.00        | 1.05       |               | mg/Kg |   | 105  | 70 - 130    |
| m-Xylene & p-Xylene         | 2.00        | 2.09       |               | mg/Kg |   | 104  | 70 - 130    |
| o-Xylene                    | 1.00        | 1.06       |               | mg/Kg |   | 106  | 70 - 130    |
| Toluene                     | 1.00        | 1.05       |               | mg/Kg |   | 105  | 70 - 130    |
|                             | LCS         | LCS        |               |       |   |      |             |
| Surrogate                   | %Recovery   | Qualifier  | Limits        |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 99          |            | 15 - 150      |       |   |      |             |

Lab Sample ID: MB 885-32260/1-A

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32260

| Analyte | MB Result | MB Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-------|-------|---|----------------|----------------|---------|
| Benzene | ND        |              | 0.025 | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |

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## QC Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-32260/1-A

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                     | MB        | MB        | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
|                             | Result    | Qualifier |          |       |   |                |                |         |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Surrogate                   | MB        | MB        | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|                             | %Recovery | Qualifier |          |       |   |                |                |         |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |

Lab Sample ID: LCS 885-32260/3-A

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                     | Spike Added | LCS       | LCS       | Unit  | D | %Rec      | %Rec Limits |
|-----------------------------|-------------|-----------|-----------|-------|---|-----------|-------------|
|                             |             | Result    | Qualifier |       |   |           |             |
| Benzene                     | 1.00        | 0.902     |           | mg/Kg |   | 90        | 70 - 130    |
| Ethylbenzene                | 1.00        | 0.909     |           | mg/Kg |   | 91        | 70 - 130    |
| m-Xylene & p-Xylene         | 2.00        | 1.92      |           | mg/Kg |   | 96        | 70 - 130    |
| o-Xylene                    | 1.00        | 0.921     |           | mg/Kg |   | 92        | 70 - 130    |
| Toluene                     | 1.00        | 0.899     |           | mg/Kg |   | 90        | 70 - 130    |
| Surrogate                   | LCS         | LCS       | Limits    |       |   | %Recovery | Qualifier   |
|                             | %Recovery   | Qualifier |           |       |   |           |             |
| 4-Bromofluorobenzene (Surr) | 92          |           | 15 - 150  |       |   |           |             |

Lab Sample ID: 885-30757-6 MS

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: SS25-06 0'

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                     | Sample    | Sample    | Spike Added | MS     | MS        | Unit      | D         | %Rec | %Rec Limits |
|-----------------------------|-----------|-----------|-------------|--------|-----------|-----------|-----------|------|-------------|
|                             | Result    | Qualifier |             | Result | Qualifier |           |           |      |             |
| Benzene                     | ND        |           | 0.991       | 0.996  |           | mg/Kg     |           | 101  | 70 - 130    |
| Ethylbenzene                | ND        |           | 0.991       | 0.981  |           | mg/Kg     |           | 99   | 70 - 130    |
| m-Xylene & p-Xylene         | ND        |           | 1.98        | 2.10   |           | mg/Kg     |           | 106  | 70 - 130    |
| o-Xylene                    | ND        |           | 0.991       | 0.998  |           | mg/Kg     |           | 101  | 70 - 130    |
| Toluene                     | ND        |           | 0.991       | 0.990  |           | mg/Kg     |           | 100  | 70 - 130    |
| Surrogate                   | MS        | MS        | Limits      |        |           | %Recovery | Qualifier |      |             |
|                             | %Recovery | Qualifier |             |        |           |           |           |      |             |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150    |        |           |           |           |      |             |

Lab Sample ID: 885-30757-6 MSD

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: SS25-06 0'

Prep Type: Total/NA

Prep Batch: 32260

| Analyte             | Sample | Sample    | Spike Added | MSD    | MSD       | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|--------|-----------|-------------|--------|-----------|-------|---|------|-------------|-----|-------|
|                     | Result | Qualifier |             | Result | Qualifier |       |   |      |             |     |       |
| Benzene             | ND     |           | 0.994       | 0.969  |           | mg/Kg |   | 97   | 70 - 130    | 3   | 20    |
| Ethylbenzene        | ND     |           | 0.994       | 0.973  |           | mg/Kg |   | 98   | 70 - 130    | 1   | 20    |
| m-Xylene & p-Xylene | ND     |           | 1.99        | 2.07   |           | mg/Kg |   | 104  | 70 - 130    | 2   | 20    |
| o-Xylene            | ND     |           | 0.994       | 0.989  |           | mg/Kg |   | 100  | 70 - 130    | 1   | 20    |
| Toluene             | ND     |           | 0.994       | 0.987  |           | mg/Kg |   | 99   | 70 - 130    | 0   | 20    |

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## QC Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-30757-6 MSD

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: SS25-06 0'

Prep Type: Total/NA

Prep Batch: 32260

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 89        |           | 15 - 150 |

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-32240/1-A

Matrix: Solid

Analysis Batch: 32208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32240

| Analyte                            | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND              |                 | 10       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 09:09 | 1       |
| Motor Oil Range Organics [C28-C40] | ND              |                 | 50       | mg/Kg |   | 08/13/25 12:18 | 08/14/25 09:09 | 1       |
| Surrogate                          | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 96              |                 | 62 - 134 |       |   | 08/13/25 12:18 | 08/14/25 09:09 | 1       |

Lab Sample ID: LCS 885-32240/2-A

Matrix: Solid

Analysis Batch: 32208

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32240

| Analyte                         | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Diesel Range Organics [C10-C28] | 50.0             | 43.5             |                  | mg/Kg |   | 87   | 51 - 148       |
| Surrogate                       | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| Di-n-octyl phthalate (Surr)     | 86               |                  | 62 - 134         |       |   |      |                |

Lab Sample ID: MB 885-32719/1-A

Matrix: Solid

Analysis Batch: 32676

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32719

| Analyte                            | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND              |                 | 10       | mg/Kg |   | 08/19/25 10:49 | 08/19/25 13:15 | 1       |
| Motor Oil Range Organics [C28-C40] | ND              |                 | 50       | mg/Kg |   | 08/19/25 10:49 | 08/19/25 13:15 | 1       |
| Surrogate                          | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 103             |                 | 62 - 134 |       |   | 08/19/25 10:49 | 08/19/25 13:15 | 1       |

Lab Sample ID: LCS 885-32719/2-A

Matrix: Solid

Analysis Batch: 32676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32719

| Analyte                         | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Diesel Range Organics [C10-C28] | 50.0             | 46.4             |                  | mg/Kg |   | 93   | 51 - 148       |
| Surrogate                       | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| Di-n-octyl phthalate (Surr)     | 102              |                  | 62 - 134         |       |   |      |                |

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## QC Sample Results

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32237/1-A

Matrix: Solid

Analysis Batch: 32211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32237

| Analyte  | MB<br>Result | MB<br>Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-----|-------|---|----------------|----------------|---------|
| Chloride | ND           |                 | 1.5 | mg/Kg |   | 08/13/25 12:04 | 08/13/25 14:47 | 1       |

Lab Sample ID: LCS 885-32237/2-A

Matrix: Solid

Analysis Batch: 32211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32237

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 15.0           | 14.8          |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: MB 885-32275/1-A

Matrix: Solid

Analysis Batch: 32211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32275

| Analyte  | MB<br>Result | MB<br>Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-----|-------|---|----------------|----------------|---------|
| Chloride | ND           |                 | 1.5 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 21:01 | 1       |

Lab Sample ID: LCS 885-32275/2-A

Matrix: Solid

Analysis Batch: 32211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32275

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 15.0           | 14.7          |                  | mg/Kg |   | 98   | 90 - 110       |

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## QC Association Summary

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## GC VOA

## Prep Batch: 32222

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | 5030C  |            |
| MB 885-32222/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32222/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32222/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |

## Prep Batch: 32260

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-5       | SS25-05 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-6       | SS25-06 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-7       | SS25-07 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-8       | SS25-08 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-9       | SS25-09 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-10      | SS25-10 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-11      | SS25-11 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-13      | SS25-13 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-14      | SS25-14 0'         | Total/NA  | Solid  | 5030C  |            |
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32260/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32260/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| 885-30757-5 MS    | SS25-05 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-5 MSD   | SS25-05 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-6 MS    | SS25-06 0'         | Total/NA  | Solid  | 5030C  |            |
| 885-30757-6 MSD   | SS25-06 0'         | Total/NA  | Solid  | 5030C  |            |

## Analysis Batch: 32382

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | 8021B  | 32222      |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | 8021B  | 32222      |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | 8021B  | 32222      |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | 8021B  | 32222      |
| MB 885-32222/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32222      |
| LCS 885-32222/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32222      |

## Analysis Batch: 32383

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | 8015M/D | 32222      |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | 8015M/D | 32222      |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | 8015M/D | 32222      |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | 8015M/D | 32222      |
| MB 885-32222/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32222      |
| LCS 885-32222/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32222      |

## Analysis Batch: 32433

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30757-5   | SS25-05 0'       | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-6   | SS25-06 0'       | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-7   | SS25-07 0'       | Total/NA  | Solid  | 8015M/D | 32260      |

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## QC Association Summary

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## GC VOA (Continued)

## Analysis Batch: 32433 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-30757-8       | SS25-08 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-9       | SS25-09 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-10      | SS25-10 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-11      | SS25-11 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-13      | SS25-13 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-14      | SS25-14 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32260      |
| LCS 885-32260/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-5 MS    | SS25-05 0'         | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30757-5 MSD   | SS25-05 0'         | Total/NA  | Solid  | 8015M/D | 32260      |

## Analysis Batch: 32434

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-5       | SS25-05 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-6       | SS25-06 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-7       | SS25-07 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-8       | SS25-08 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-9       | SS25-09 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-10      | SS25-10 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-11      | SS25-11 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-13      | SS25-13 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-14      | SS25-14 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32260      |
| LCS 885-32260/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-6 MS    | SS25-06 0'         | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30757-6 MSD   | SS25-06 0'         | Total/NA  | Solid  | 8021B  | 32260      |

## GC Semi VOA

## Analysis Batch: 32208

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | 8015M/D | 32240      |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | 8015M/D | 32240      |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | 8015M/D | 32240      |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | 8015M/D | 32240      |
| MB 885-32240/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32240      |
| LCS 885-32240/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32240      |

## Prep Batch: 32240

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | SHAKE  |            |
| MB 885-32240/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-32240/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

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## QC Association Summary

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## GC Semi VOA

## Prep Batch: 32432

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-30757-5   | SS25-05 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-6   | SS25-06 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-7   | SS25-07 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-8   | SS25-08 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-9   | SS25-09 0'       | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 32576

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30757-5   | SS25-05 0'       | Total/NA  | Solid  | 8015M/D | 32432      |
| 885-30757-6   | SS25-06 0'       | Total/NA  | Solid  | 8015M/D | 32432      |
| 885-30757-7   | SS25-07 0'       | Total/NA  | Solid  | 8015M/D | 32432      |
| 885-30757-8   | SS25-08 0'       | Total/NA  | Solid  | 8015M/D | 32432      |
| 885-30757-9   | SS25-09 0'       | Total/NA  | Solid  | 8015M/D | 32432      |
| 885-30757-9   | SS25-09 0'       | Total/NA  | Solid  | 8015M/D | 32589      |
| 885-30757-10  | SS25-10 0'       | Total/NA  | Solid  | 8015M/D | 32589      |
| 885-30757-11  | SS25-11 0'       | Total/NA  | Solid  | 8015M/D | 32589      |
| 885-30757-13  | SS25-13 0'       | Total/NA  | Solid  | 8015M/D | 32589      |
| 885-30757-14  | SS25-14 0'       | Total/NA  | Solid  | 8015M/D | 32589      |

## Prep Batch: 32589

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-30757-9   | SS25-09 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-10  | SS25-10 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-11  | SS25-11 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-13  | SS25-13 0'       | Total/NA  | Solid  | SHAKE  |            |
| 885-30757-14  | SS25-14 0'       | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 32676

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| MB 885-32719/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32719      |
| LCS 885-32719/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32719      |

## Analysis Batch: 32677

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30757-12  | SS25-12 0'       | Total/NA  | Solid  | 8015M/D | 32719      |

## Prep Batch: 32719

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | SHAKE  |            |
| MB 885-32719/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-32719/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

## HPLC/IC

## Analysis Batch: 32211

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-30757-1   | SS25-01 0'       | Total/NA  | Solid  | 300.0  | 32237      |
| 885-30757-2   | SS25-02 0'       | Total/NA  | Solid  | 300.0  | 32237      |
| 885-30757-3   | SS25-03 0'       | Total/NA  | Solid  | 300.0  | 32237      |
| 885-30757-4   | SS25-04 0'       | Total/NA  | Solid  | 300.0  | 32237      |
| 885-30757-5   | SS25-05 0'       | Total/NA  | Solid  | 300.0  | 32275      |

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## QC Association Summary

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

## HPLC/IC (Continued)

## Analysis Batch: 32211 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30757-6       | SS25-06 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-7       | SS25-07 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-8       | SS25-08 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-9       | SS25-09 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-10      | SS25-10 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-11      | SS25-11 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-13      | SS25-13 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30757-14      | SS25-14 0'         | Total/NA  | Solid  | 300.0  | 32275      |
| MB 885-32237/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32237      |
| MB 885-32275/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32275      |
| LCS 885-32237/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32237      |
| LCS 885-32275/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32275      |

## Prep Batch: 32237

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-30757-1       | SS25-01 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-2       | SS25-02 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-3       | SS25-03 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-4       | SS25-04 0'         | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32237/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32237/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

## Prep Batch: 32275

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-30757-5       | SS25-05 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-6       | SS25-06 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-7       | SS25-07 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-8       | SS25-08 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-9       | SS25-09 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-10      | SS25-10 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-11      | SS25-11 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-12      | SS25-12 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-13      | SS25-13 0'         | Total/NA  | Solid  | 300_Prep |            |
| 885-30757-14      | SS25-14 0'         | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32275/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32275/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

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Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

**Client Sample ID: SS25-01 0'**  
**Date Collected: 08/08/25 13:00**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-1**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32383        | JP      | EET ALB | 08/15/25 07:18       |
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32382        | JP      | EET ALB | 08/15/25 07:18       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32240        | JM      | EET ALB | 08/13/25 12:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32208        | EM      | EET ALB | 08/14/25 19:02       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32237        | RC      | EET ALB | 08/13/25 12:04       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 20:02       |

**Client Sample ID: SS25-02 0'**  
**Date Collected: 08/08/25 13:05**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-2**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32383        | JP      | EET ALB | 08/15/25 07:40       |
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32382        | JP      | EET ALB | 08/15/25 07:40       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32240        | JM      | EET ALB | 08/13/25 12:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32208        | EM      | EET ALB | 08/14/25 19:26       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32237        | RC      | EET ALB | 08/13/25 12:04       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 20:12       |

**Client Sample ID: SS25-03 0'**  
**Date Collected: 08/08/25 13:10**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-3**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32383        | JP      | EET ALB | 08/15/25 08:02       |
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32382        | JP      | EET ALB | 08/15/25 08:02       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32240        | JM      | EET ALB | 08/13/25 12:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32208        | EM      | EET ALB | 08/14/25 19:50       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32237        | RC      | EET ALB | 08/13/25 12:04       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 20:41       |

**Client Sample ID: SS25-04 0'**  
**Date Collected: 08/08/25 13:15**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-4**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32383        | JP      | EET ALB | 08/15/25 08:23       |

Eurofins Albuquerque

Lab Chronicle

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-04 0'

Lab Sample ID: 885-30757-4

Date Collected: 08/08/25 13:15

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32222        | KLS     | EET ALB | 08/13/25 10:32       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32382        | JP      | EET ALB | 08/15/25 08:23       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32240        | JM      | EET ALB | 08/13/25 12:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32208        | EM      | EET ALB | 08/14/25 20:14       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32237        | RC      | EET ALB | 08/13/25 12:04       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 20:51       |

Client Sample ID: SS25-05 0'

Lab Sample ID: 885-30757-5

Date Collected: 08/08/25 13:20

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/14/25 20:32       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/14/25 20:32       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32432        | DR      | EET ALB | 08/15/25 10:08       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 12:14       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 22:59       |

Client Sample ID: SS25-06 0'

Lab Sample ID: 885-30757-6

Date Collected: 08/08/25 13:25

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/14/25 22:07       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/14/25 22:07       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32432        | DR      | EET ALB | 08/15/25 10:08       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 12:25       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:09       |

Client Sample ID: SS25-07 0'

Lab Sample ID: 885-30757-7

Date Collected: 08/08/25 13:30

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/14/25 23:41       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/14/25 23:41       |

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

**Client Sample ID: SS25-07 0'**  
**Date Collected: 08/08/25 13:30**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-7**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | SHAKE        |     |                 | 32432        | DR      | EET ALB | 08/15/25 10:08       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 12:36       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:19       |

**Client Sample ID: SS25-08 0'**  
**Date Collected: 08/08/25 13:35**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-8**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 00:05       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 00:05       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32432        | DR      | EET ALB | 08/15/25 10:08       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 12:47       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:28       |

**Client Sample ID: SS25-09 0'**  
**Date Collected: 08/08/25 13:40**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-9**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 00:28       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 00:28       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32432        | DR      | EET ALB | 08/15/25 10:08       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 12:58       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32589        | BZR     | EET ALB | 08/18/25 11:54       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 16:08       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:38       |

**Client Sample ID: SS25-10 0'**  
**Date Collected: 08/08/25 13:45**  
**Date Received: 08/12/25 07:30**

**Lab Sample ID: 885-30757-10**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 00:52       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 00:52       |

Eurofins Albuquerque



Lab Chronicle

Client: Vertex

Job ID: 885-30757-1

Project/Site: North Pure Gold 8 Federal 011

Client Sample ID: SS25-10 0'

Lab Sample ID: 885-30757-10

Date Collected: 08/08/25 13:45

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | SHAKE        |     |                 | 32589        | BZR     | EET ALB | 08/18/25 11:54       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 15:23       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:48       |

Client Sample ID: SS25-11 0'

Lab Sample ID: 885-30757-11

Date Collected: 08/08/25 13:50

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 01:16       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 01:16       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32589        | BZR     | EET ALB | 08/18/25 11:54       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 15:34       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/13/25 23:58       |

Client Sample ID: SS25-12 0'

Lab Sample ID: 885-30757-12

Date Collected: 08/08/25 13:55

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 01:40       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 01:40       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32719        | DR      | EET ALB | 08/19/25 10:49       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32677        | EM      | EET ALB | 08/19/25 13:07       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 00:08       |

Client Sample ID: SS25-13 0'

Lab Sample ID: 885-30757-13

Date Collected: 08/08/25 14:00

Matrix: Solid

Date Received: 08/12/25 07:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 02:04       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 02:04       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32589        | BZR     | EET ALB | 08/18/25 11:54       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 15:45       |

Lab Chronicle

Client: Vertex

Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

Client Sample ID: SS25-13 0'

Date Collected: 08/08/25 14:00

Date Received: 08/12/25 07:30

Lab Sample ID: 885-30757-13

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 00:37       |

Client Sample ID: SS25-14 0'

Date Collected: 08/08/25 14:05

Date Received: 08/12/25 07:30

Lab Sample ID: 885-30757-14

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32433        | JP      | EET ALB | 08/15/25 02:27       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32434        | JP      | EET ALB | 08/15/25 02:27       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32589        | BZR     | EET ALB | 08/18/25 11:54       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32576        | DH      | EET ALB | 08/18/25 15:56       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 00:47       |

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 011

Job ID: 885-30757-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|--------------------------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-27-26                             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                              |
| 300.0                                                                                                                                                                                                 | 300_Prep    | Solid                 | Chloride                             |
| 8015M/D                                                                                                                                                                                               | 5030C       | Solid                 | Gasoline Range Organics (GRO)-C6-C10 |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Diesel Range Organics [C10-C28]      |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Motor Oil Range Organics [C28-C40]   |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Benzene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Ethylbenzene                         |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Toluene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Xylenes, Total                       |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-26-26                             |

Released to Imaging: 9/11/2025 9:34:27 AM

☐ EDD (Type)

Cooler Temp (including CF): 01-3-4-2-0-1

HEAL No.

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- 12

| Received by: | Via: | Date    | Time |
|--------------|------|---------|------|
| [Signature]  |      | 8/12/75 | 7:30 |

[illegible]

|                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks: ATTN Jim Raley<br>Direct bill to Devon work order 21185142 Jim Raley<br>cc. permian@vertexresource.com, SCarttar@vertexresource.com,<br>kstallings@vertexresource.com, and LPullman@vertexresource.com<br>for Final Report |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.





## Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-30757-1

SDG Number:

Login Number: 30757

List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | True   |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kent Stallings  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 8/20/2025 3:43:59 PM

## JOB DESCRIPTION

North Pure Gold 8 Federal 11

## JOB NUMBER

885-30863-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
8/20/2025 3:43:59 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Laboratory Job ID: 885-30863-1

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Definitions/Glossary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: Vertex  
Project: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

**Job ID: 885-30863-1**

**Eurofins Albuquerque**

### Job Narrative 885-30863-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

#### Receipt

The samples were received on 8/13/2025 8:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-47

Lab Sample ID: 885-30863-1

Date Collected: 08/11/25 13:20

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:05 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 12:38 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 12:38 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 100       |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 12:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | ND     |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 00:57 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-48

Lab Sample ID: 885-30863-2

Date Collected: 08/11/25 13:25

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:29 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.2      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:05 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 46       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:05 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 99        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 14:05 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | ND     |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 01:07 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-49

Lab Sample ID: 885-30863-3

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 08:52 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.8      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:17 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:17 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 99        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 14:17 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | ND     |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 01:17 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-50

Lab Sample ID: 885-30863-4

Date Collected: 08/11/25 13:35

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 09:16 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:30 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:30 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 94        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 14:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | ND     |           | 59 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 01:27 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-51

Lab Sample ID: 885-30863-5

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 09:39 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:42 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 14:42 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 98        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 14:42 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 85     |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 01:36 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-52

Lab Sample ID: 885-30863-6

Date Collected: 08/11/25 13:45

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 10:03 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.6      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 11:45 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 11:45 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 97        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 11:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2500   |           | 60 | mg/Kg |   | 08/13/25 15:30 | 08/14/25 01:46 | 20      |

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## Client Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-53

Lab Sample ID: 885-30863-7

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/13/25 08:03

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/13/25 13:52 | 08/16/25 10:26 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.8      | mg/Kg |   | 08/19/25 08:58 | 08/19/25 12:09 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/19/25 08:58 | 08/19/25 12:09 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 97        |           | 62 - 134 |       |   | 08/19/25 08:58 | 08/19/25 12:09 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2600   |           | 60 | mg/Kg |   | 08/15/25 08:31 | 08/15/25 11:44 | 20      |

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## QC Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-32260/1-A

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND              |                 | 5.0      | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Surrogate                               | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 96              |                 | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |

Lab Sample ID: LCS 885-32260/2-A

Matrix: Solid

Analysis Batch: 32433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 25.0             | 24.2             |                  | mg/Kg |   | 97   | 70 - 130       |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 197              |                  | 15 - 150         |       |   |      |                |

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32260/1-A

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                     | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND              |                 | 0.025    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Ethylbenzene                | ND              |                 | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Toluene                     | ND              |                 | 0.050    | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Xylenes, Total              | ND              |                 | 0.10     | mg/Kg |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |
| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87              |                 | 15 - 150 |       |   | 08/13/25 13:52 | 08/14/25 20:09 | 1       |

Lab Sample ID: LCS 885-32260/3-A

Matrix: Solid

Analysis Batch: 32434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32260

| Analyte                     | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Benzene                     | 1.00             | 0.902            |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene                | 1.00             | 0.909            |                  | mg/Kg |   | 91   | 70 - 130       |
| m-Xylene & p-Xylene         | 2.00             | 1.92             |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene                    | 1.00             | 0.921            |                  | mg/Kg |   | 92   | 70 - 130       |
| Toluene                     | 1.00             | 0.899            |                  | mg/Kg |   | 90   | 70 - 130       |
| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr) | 92               |                  | 15 - 150         |       |   |      |                |

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## QC Sample Results

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32275/1-A  
Matrix: Solid  
Analysis Batch: 32211

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 32275

| Analyte  | MB<br>Result | MB<br>Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-----|-------|---|----------------|----------------|---------|
| Chloride | ND           |                 | 1.5 | mg/Kg |   | 08/13/25 15:30 | 08/13/25 21:01 | 1       |

Lab Sample ID: LCS 885-32275/2-A  
Matrix: Solid  
Analysis Batch: 32211

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 32275

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 15.0           | 14.7          |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: MB 885-32399/1-A  
Matrix: Solid  
Analysis Batch: 32435

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 32399

| Analyte  | MB<br>Result | MB<br>Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-----|-------|---|----------------|----------------|---------|
| Chloride | ND           |                 | 1.5 | mg/Kg |   | 08/15/25 08:31 | 08/15/25 10:50 | 1       |

Lab Sample ID: LCS 885-32399/2-A  
Matrix: Solid  
Analysis Batch: 32435

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 32399

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 15.0           | 14.2          |                  | mg/Kg |   | 95   | 90 - 110       |



## QC Association Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

## GC VOA

## Prep Batch: 32260

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30863-1       | SS25-47            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-2       | SS25-48            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-3       | SS25-49            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-4       | SS25-50            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-5       | SS25-51            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-6       | SS25-52            | Total/NA  | Solid  | 5030C  |            |
| 885-30863-7       | SS25-53            | Total/NA  | Solid  | 5030C  |            |
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32260/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32260/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |

## Analysis Batch: 32433

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32260      |
| LCS 885-32260/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32260      |

## Analysis Batch: 32434

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 885-32260/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32260      |
| LCS 885-32260/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32260      |

## Analysis Batch: 32486

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-30863-1   | SS25-47          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-2   | SS25-48          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-3   | SS25-49          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-4   | SS25-50          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-5   | SS25-51          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-6   | SS25-52          | Total/NA  | Solid  | 8021B  | 32260      |
| 885-30863-7   | SS25-53          | Total/NA  | Solid  | 8021B  | 32260      |

## Analysis Batch: 32487

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30863-1   | SS25-47          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-2   | SS25-48          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-3   | SS25-49          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-4   | SS25-50          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-5   | SS25-51          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-6   | SS25-52          | Total/NA  | Solid  | 8015M/D | 32260      |
| 885-30863-7   | SS25-53          | Total/NA  | Solid  | 8015M/D | 32260      |

## GC Semi VOA

## Analysis Batch: 32676

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30863-1   | SS25-47          | Total/NA  | Solid  | 8015M/D | 32678      |
| 885-30863-2   | SS25-48          | Total/NA  | Solid  | 8015M/D | 32678      |
| 885-30863-3   | SS25-49          | Total/NA  | Solid  | 8015M/D | 32678      |
| 885-30863-4   | SS25-50          | Total/NA  | Solid  | 8015M/D | 32678      |
| 885-30863-5   | SS25-51          | Total/NA  | Solid  | 8015M/D | 32678      |

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## QC Association Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

## GC Semi VOA

## Prep Batch: 32678

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-30863-1   | SS25-47          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-2   | SS25-48          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-3   | SS25-49          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-4   | SS25-50          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-5   | SS25-51          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-6   | SS25-52          | Total/NA  | Solid  | SHAKE  |            |
| 885-30863-7   | SS25-53          | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 32683

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-30863-6   | SS25-52          | Total/NA  | Solid  | 8015M/D | 32678      |
| 885-30863-7   | SS25-53          | Total/NA  | Solid  | 8015M/D | 32678      |

## HPLC/IC

## Analysis Batch: 32211

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30863-1       | SS25-47            | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30863-2       | SS25-48            | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30863-3       | SS25-49            | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30863-4       | SS25-50            | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30863-5       | SS25-51            | Total/NA  | Solid  | 300.0  | 32275      |
| 885-30863-6       | SS25-52            | Total/NA  | Solid  | 300.0  | 32275      |
| MB 885-32275/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32275      |
| LCS 885-32275/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32275      |

## Prep Batch: 32275

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-30863-1       | SS25-47            | Total/NA  | Solid  | 300_Prep |            |
| 885-30863-2       | SS25-48            | Total/NA  | Solid  | 300_Prep |            |
| 885-30863-3       | SS25-49            | Total/NA  | Solid  | 300_Prep |            |
| 885-30863-4       | SS25-50            | Total/NA  | Solid  | 300_Prep |            |
| 885-30863-5       | SS25-51            | Total/NA  | Solid  | 300_Prep |            |
| 885-30863-6       | SS25-52            | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32275/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32275/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

## Prep Batch: 32399

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-30863-7       | SS25-53            | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32399/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32399/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

## Analysis Batch: 32435

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-30863-7       | SS25-53            | Total/NA  | Solid  | 300.0  | 32399      |
| MB 885-32399/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32399      |
| LCS 885-32399/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32399      |

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## Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-47

Lab Sample ID: 885-30863-1

Date Collected: 08/11/25 13:20

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 08:05       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 08:05       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32676        | EM      | EET ALB | 08/19/25 12:38       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 00:57       |

Client Sample ID: SS25-48

Lab Sample ID: 885-30863-2

Date Collected: 08/11/25 13:25

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 08:29       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 08:29       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32676        | EM      | EET ALB | 08/19/25 14:05       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 01:07       |

Client Sample ID: SS25-49

Lab Sample ID: 885-30863-3

Date Collected: 08/11/25 13:30

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 08:52       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 08:52       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32676        | EM      | EET ALB | 08/19/25 14:17       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 01:17       |

Client Sample ID: SS25-50

Lab Sample ID: 885-30863-4

Date Collected: 08/11/25 13:35

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 09:16       |

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## Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Client Sample ID: SS25-50

Lab Sample ID: 885-30863-4

Date Collected: 08/11/25 13:35

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 09:16       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32676        | EM      | EET ALB | 08/19/25 14:30       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 01:27       |

Client Sample ID: SS25-51

Lab Sample ID: 885-30863-5

Date Collected: 08/11/25 13:40

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 09:39       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 09:39       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32676        | EM      | EET ALB | 08/19/25 14:42       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 01:36       |

Client Sample ID: SS25-52

Lab Sample ID: 885-30863-6

Date Collected: 08/11/25 13:45

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 10:03       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 10:03       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32683        | EM      | EET ALB | 08/19/25 11:45       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32275        | MA      | EET ALB | 08/13/25 15:30       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32211        | RC      | EET ALB | 08/14/25 01:46       |

Client Sample ID: SS25-53

Lab Sample ID: 885-30863-7

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/13/25 08:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32487        | JP      | EET ALB | 08/16/25 10:26       |
| Total/NA  | Prep       | 5030C        |     |                 | 32260        | KLS     | EET ALB | 08/13/25 13:52       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32486        | JP      | EET ALB | 08/16/25 10:26       |

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Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

**Client Sample ID: SS25-53**  
**Date Collected: 08/11/25 13:50**  
**Date Received: 08/13/25 08:03**

**Lab Sample ID: 885-30863-7**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | SHAKE        |     |                 | 32678        | BZR     | EET ALB | 08/19/25 08:58       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32683        | EM      | EET ALB | 08/19/25 12:09       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32399        | MA      | EET ALB | 08/15/25 08:31       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32435        | MA      | EET ALB | 08/15/25 11:44       |

**Laboratory References:**  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-30863-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|--------------------------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-27-26                             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                              |
| 300.0                                                                                                                                                                                                 | 300_Prep    | Solid                 | Chloride                             |
| 8015M/D                                                                                                                                                                                               | 5030C       | Solid                 | Gasoline Range Organics (GRO)-C6-C10 |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Diesel Range Organics [C10-C28]      |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Motor Oil Range Organics [C28-C40]   |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Benzene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Ethylbenzene                         |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Toluene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Xylenes, Total                       |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-26-26                             |



## Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-30863-1

Login Number: 30863

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | N/A    |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kent Stallings  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 8/28/2025 7:47:59 AM

## JOB DESCRIPTION

North Pure Gold 8 Federal 11

## JOB NUMBER

885-31189-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
8/28/2025 7:47:59 AM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975



Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Laboratory Job ID: 885-31189-1

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Definitions/Glossary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                   |
|-----------|---------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased. |

HPLC/IC

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Vertex  
Project: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Job ID: 885-31189-1**

**Eurofins Albuquerque**

### Job Narrative 885-31189-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

#### Receipt

The samples were received on 8/16/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

#### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-15

Lab Sample ID: 885-31189-1

Date Collected: 08/14/25 10:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 13:59 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.9      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 21:23 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 21:23 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 112       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 21:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 13000  |           | 250 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 13:07 | 50      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-16

Lab Sample ID: 885-31189-2

Date Collected: 08/14/25 10:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 15:10 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:00 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:00 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 114       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 22:00 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 8900   |           | 100 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 13:17 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-17

Lab Sample ID: 885-31189-3

Date Collected: 08/14/25 10:20

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 16:22 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 10       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:12 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 50       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:12 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 116       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 22:12 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 4400   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 09:40 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-18

Lab Sample ID: 885-31189-4

Date Collected: 08/14/25 10:30

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 16:46 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 31        |           | 9.4      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:25 | 1       |
| Motor Oil Range Organics [C28-C40] | 65        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:25 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 95        |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 22:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3400   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 09:50 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-19

Lab Sample ID: 885-31189-5

Date Collected: 08/14/25 10:40

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:10 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:38 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:38 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 22:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 14000  |           | 250 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 13:26 | 50      |

Eurofins Albuquerque

## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-20

Lab Sample ID: 885-31189-6

Date Collected: 08/14/25 10:50

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:34 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:50 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 22:50 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 99        |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 22:50 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 11000  |           | 100 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 13:36 | 20      |

Eurofins Albuquerque

## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-21

Lab Sample ID: 885-31189-7

Date Collected: 08/14/25 11:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 96        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 17:58 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:15 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:15 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 100       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 23:15 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3500   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 10:39 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-22

Lab Sample ID: 885-31189-8

Date Collected: 08/14/25 11:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 18:22 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.6      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:27 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:27 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 23:27 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 11000  |           | 100 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 13:46 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-23

Lab Sample ID: 885-31189-9

Date Collected: 08/14/25 11:20

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.6      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |
| Ethylbenzene                | ND        |           | 0.046    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |
| Toluene                     | ND        |           | 0.046    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |
| Xylenes, Total              | ND        |           | 0.092    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 18:46 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 88        |           | 9.8      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:40 | 1       |
| Motor Oil Range Organics [C28-C40] | 150       |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:40 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 104       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 23:40 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 6400   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 11:03 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-24

Lab Sample ID: 885-31189-10

Date Collected: 08/14/25 11:30

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 92        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 19:10 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:53 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/22/25 23:53 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 100       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/22/25 23:53 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 350    |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 11:13 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-25

Lab Sample ID: 885-31189-11

Date Collected: 08/14/25 11:40

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 19:58 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:05 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:05 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 103       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 00:05 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 7700   |           | 49 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 11:23 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-26

Lab Sample ID: 885-31189-12

Date Collected: 08/14/25 11:50

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 89        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |
| Xylenes, Total              | ND        |           | 0.094    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 20:22 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 110       |           | 9.6      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:18 | 1       |
| Motor Oil Range Organics [C28-C40] | 320       |           | 48       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:18 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 107       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 00:18 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 5200   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 11:33 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-27

Lab Sample ID: 885-31189-13

Date Collected: 08/14/25 12:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.6      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |
| Ethylbenzene                | ND        |           | 0.046    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |
| Toluene                     | ND        |           | 0.046    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |
| Xylenes, Total              | ND        |           | 0.093    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 20:45 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:30 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:30 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 112       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 00:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1100   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 13:52 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-28

Lab Sample ID: 885-31189-14

Date Collected: 08/14/25 12:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:09 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 140       |           | 9.5      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:43 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:43 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 115       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 00:43 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 7800   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 14:02 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-29

Lab Sample ID: 885-31189-15

Date Collected: 08/14/25 12:20

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 93        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:33 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 26        |           | 9.8      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:55 | 1       |
| Motor Oil Range Organics [C28-C40] | 62        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 00:55 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 119       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 00:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 3200   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 14:11 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-30

Lab Sample ID: 885-31189-16

Date Collected: 08/14/25 12:30

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 89        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 21:56 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:07 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:07 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 109       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 01:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 5000   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/20/25 14:21 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-31

Lab Sample ID: 885-31189-17

Date Collected: 08/14/25 12:40

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 22:20 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.6      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:20 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:20 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 115       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 01:20 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 2000   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 09:10 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-32

Lab Sample ID: 885-31189-18

Date Collected: 08/14/25 12:50

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 90        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 22:44 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:32 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:32 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 112       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 01:32 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1500   |           | 49 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 09:20 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-33

Lab Sample ID: 885-31189-19

Date Collected: 08/14/25 13:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 88        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 23:07 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:45 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:45 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 113       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 01:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 4600   |           | 50 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 09:30 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-34

Lab Sample ID: 885-31189-20

Date Collected: 08/14/25 13:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.7      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 86        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |
| Ethylbenzene                | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |
| Toluene                     | ND        |           | 0.047    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 23:31 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.8      | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:57 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 49       | mg/Kg |   | 08/21/25 14:11 | 08/23/25 01:57 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 112       |           | 62 - 134 |       |   | 08/21/25 14:11 | 08/23/25 01:57 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 14000  |           | 100 | mg/Kg |   | 08/20/25 06:12 | 08/21/25 09:40 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-35

Lab Sample ID: 885-31189-21

Date Collected: 08/14/25 13:20

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 03:41 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.0      | mg/Kg |   | 08/25/25 17:15 | 08/26/25 17:43 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 45       | mg/Kg |   | 08/25/25 17:15 | 08/26/25 17:43 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/25/25 17:15 | 08/26/25 17:43 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 17000  |           | 250 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 09:50 | 50      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-36

Lab Sample ID: 885-31189-22

Date Collected: 08/14/25 13:30

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 91        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |
| Xylenes, Total              | ND        |           | 0.10     | mg/Kg |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 04:52 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 8.6      | mg/Kg |   | 08/25/25 17:15 | 08/26/25 17:55 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 43       | mg/Kg |   | 08/25/25 17:15 | 08/26/25 17:55 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 92        |           | 62 - 134 |       |   | 08/25/25 17:15 | 08/26/25 17:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 260    |           | 50 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 10:19 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-37

Lab Sample ID: 885-31189-23

Date Collected: 08/14/25 13:40

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 87        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |
| Xylenes, Total              | ND        |           | 0.098    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 06:03 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.3      | mg/Kg |   | 08/25/25 17:15 | 08/26/25 18:06 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/25/25 17:15 | 08/26/25 18:06 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 94        |           | 62 - 134 |       |   | 08/25/25 17:15 | 08/26/25 18:06 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 880    |           | 99 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:09 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-38

Lab Sample ID: 885-31189-24

Date Collected: 08/14/25 13:50

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 85        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 06:26 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 8.8      | mg/Kg |   | 08/25/25 17:15 | 08/26/25 18:18 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 44       | mg/Kg |   | 08/25/25 17:15 | 08/26/25 18:18 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 85        |           | 62 - 134 |       |   | 08/25/25 17:15 | 08/26/25 18:18 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 2000   |           | 100 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:18 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-39

Lab Sample ID: 885-31189-25

Date Collected: 08/14/25 14:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 86        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |
| Xylenes, Total              | ND        |           | 0.095    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 07:13 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 15:51 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 15:51 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 101       |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 15:51 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 1300   |           | 99 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:28 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-40

Lab Sample ID: 885-31189-26

Date Collected: 08/14/25 14:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.6      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 87        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.023    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |
| Ethylbenzene                | ND        |           | 0.046    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |
| Toluene                     | ND        |           | 0.046    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |
| Xylenes, Total              | ND        |           | 0.092    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 07:37 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:02 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:02 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 92        |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 16:02 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 2000   |           | 100 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:38 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-41

Lab Sample ID: 885-31189-27

Date Collected: 08/14/25 14:20

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 87        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:00 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.2      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:13 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 46       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:13 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 103       |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 16:13 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 140    |           | 50 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:48 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-42

Lab Sample ID: 885-31189-28

Date Collected: 08/14/25 14:30

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.9      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 85        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |
| Ethylbenzene                | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |
| Toluene                     | ND        |           | 0.049    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |
| Xylenes, Total              | ND        |           | 0.097    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 81        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:23 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 15:55 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 15:55 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 100       |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 15:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | ND     |           | 50 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 11:58 | 10      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-43

Lab Sample ID: 885-31189-29

Date Collected: 08/14/25 14:40

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 83        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 81        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 08:47 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.5      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:07 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:07 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 107       |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 16:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 730    |           | 100 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 12:08 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-44

Lab Sample ID: 885-31189-30

Date Collected: 08/14/25 14:50

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 86        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 84        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:10 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.4      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:19 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 47       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:19 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 92        |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 16:19 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 610    |           | 99 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 12:17 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-45

Lab Sample ID: 885-31189-31

Date Collected: 08/14/25 15:00

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 4.8      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 87        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.024    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |
| Ethylbenzene                | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |
| Toluene                     | ND        |           | 0.048    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |
| Xylenes, Total              | ND        |           | 0.096    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:34 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND        |           | 9.7      | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:32 | 1       |
| Motor Oil Range Organics [C28-C40] | ND        |           | 48       | mg/Kg |   | 08/26/25 11:26 | 08/26/25 16:32 | 1       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 93        |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/26/25 16:32 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Chloride | 690    |           | 100 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 12:27 | 20      |

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## Client Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Client Sample ID: SS25-46

Lab Sample ID: 885-31189-32

Date Collected: 08/14/25 15:10

Matrix: Solid

Date Received: 08/16/25 08:00

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 5.0      | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)          | 86        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | ND        |           | 0.025    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |
| Ethylbenzene                | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |
| Toluene                     | ND        |           | 0.050    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |
| Xylenes, Total              | ND        |           | 0.099    | mg/Kg |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 15 - 150 |       |   | 08/19/25 16:18 | 08/22/25 09:57 | 1       |

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | 95        |           | 49       | mg/Kg |   | 08/26/25 11:26 | 08/27/25 11:56 | 5       |
| Motor Oil Range Organics [C28-C40] | 280       |           | 240      | mg/Kg |   | 08/26/25 11:26 | 08/27/25 11:56 | 5       |
| Surrogate                          | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 110       |           | 62 - 134 |       |   | 08/26/25 11:26 | 08/27/25 11:56 | 5       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------------|---------|
| Chloride | 560    |           | 99 | mg/Kg |   | 08/20/25 11:00 | 08/21/25 12:37 | 20      |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-32712/1-A

Matrix: Solid

Analysis Batch: 33008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32712

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND              |                 | 5.0      | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |
| Surrogate                               | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 91              |                 | 15 - 150 |       |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |

Lab Sample ID: LCS 885-32712/2-A

Matrix: Solid

Analysis Batch: 33008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32712

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 25.0             | 23.6             |                  | mg/Kg |   | 94   | 70 - 130       |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 190              |                  | 15 - 150         |       |   |      |                |

Lab Sample ID: 885-31189-1 MS

Matrix: Solid

Analysis Batch: 33008

Client Sample ID: SS25-15

Prep Type: Total/NA

Prep Batch: 32712

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND               |                     | 24.9           | 22.1         |                 | mg/Kg |   | 89   | 70 - 130       |
| Surrogate                               | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 4-Bromofluorobenzene (Surr)             | 190              |                     | 15 - 150       |              |                 |       |   |      |                |

Lab Sample ID: 885-31189-1 MSD

Matrix: Solid

Analysis Batch: 33008

Client Sample ID: SS25-15

Prep Type: Total/NA

Prep Batch: 32712

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND               |                     | 24.8           | 22.2          |                  | mg/Kg |   | 90   | 70 - 130       | 1   | 20           |
| Surrogate                               | MSD<br>%Recovery | MSD<br>Qualifier    | Limits         |               |                  |       |   |      |                |     |              |
| 4-Bromofluorobenzene (Surr)             | 198              |                     | 15 - 150       |               |                  |       |   |      |                |     |              |

Lab Sample ID: MB 885-32757/1-A

Matrix: Solid

Analysis Batch: 32943

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32757

| Analyte                                 | MB<br>Result | MB<br>Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|--------------|-----------------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | ND           |                 | 5.0 | mg/Kg |   | 08/19/25 16:18 | 08/21/25 16:12 | 1       |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-32757/1-A

Matrix: Solid

Analysis Batch: 32943

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32757

| Surrogate                   | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                             | %Recovery | Qualifier |          |                |                |         |
| 4-Bromofluorobenzene (Surr) | 99        |           | 15 - 150 | 08/19/25 16:18 | 08/21/25 16:12 | 1       |

Lab Sample ID: LCS 885-32757/2-A

Matrix: Solid

Analysis Batch: 32943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32757

| Analyte                              |           |     | Spike    | LCS    | LCS       | Unit  | D | %Rec | %Rec | Limits   |  |  |
|--------------------------------------|-----------|-----|----------|--------|-----------|-------|---|------|------|----------|--|--|
|                                      |           |     | Added    | Result | Qualifier |       |   |      |      |          |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |     | 25.0     | 23.8   |           | mg/Kg |   | 95   |      | 70 - 130 |  |  |
| Surrogate                            | LCS       |     | Limits   | LCS    | Qualifier |       |   |      |      |          |  |  |
|                                      | %Recovery |     |          |        |           |       |   |      |      |          |  |  |
| 4-Bromofluorobenzene (Surr)          | 198       | S1+ | 15 - 150 |        |           |       |   |      |      |          |  |  |

Lab Sample ID: 885-31189-21 MS

Matrix: Solid

Analysis Batch: 32967

Client Sample ID: SS25-35

Prep Type: Total/NA

Prep Batch: 32757

| Analyte                              | Sample    | Sample    | Spike    | MS        | MS        | Unit   | D | %Rec | %Rec | Limits   |  |  |
|--------------------------------------|-----------|-----------|----------|-----------|-----------|--------|---|------|------|----------|--|--|
|                                      | Result    | Qualifier | Added    | Result    | Qualifier |        |   | %Rec |      |          |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 24.8     | 21.6      |           | mg/Kg  |   | 87   |      | 70 - 130 |  |  |
| Surrogate                            | MS MS     |           | Limits   | %Recovery | Qualifier | Limits |   |      |      |          |  |  |
|                                      | %Recovery | Qualifier |          |           |           |        |   |      |      |          |  |  |
| 4-Bromofluorobenzene (Surr)          | 187       |           | 15 - 150 |           |           |        |   |      |      |          |  |  |

Lab Sample ID: 885-31189-21 MSD

Matrix: Solid

Analysis Batch: 32967

Client Sample ID: SS25-35

Prep Type: Total/NA

Prep Batch: 32757

| Analyte                              | Sample    | Sample    | Spike    | MSD       | MSD       | Unit   | D | %Rec | %Rec     | RPD | RPD   |
|--------------------------------------|-----------|-----------|----------|-----------|-----------|--------|---|------|----------|-----|-------|
|                                      | Result    | Qualifier | Added    | Result    | Qualifier |        |   |      | Limits   |     | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | ND        |           | 24.8     | 23.1      |           | mg/Kg  |   | 93   | 70 - 130 | 6   | 20    |
| Surrogate                            | MSD       | MSD       | Limits   | %Recovery | Qualifier | Limits |   |      |          |     |       |
|                                      | %Recovery | Qualifier |          |           |           |        |   |      |          |     |       |
| 4-Bromofluorobenzene (Surr)          | 192       |           | 15 - 150 |           |           |        |   |      |          |     |       |

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32712/1-A

Matrix: Solid

Analysis Batch: 33009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32712

| Analyte        | MB MB  |           | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|-------|---|----------------|----------------|---------|
|                | Result | Qualifier |       |       |   |                |                |         |
| Benzene        | ND     |           | 0.025 | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |
| Ethylbenzene   | ND     |           | 0.050 | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |
| Toluene        | ND     |           | 0.050 | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |
| Xylenes, Total | ND     |           | 0.10  | mg/Kg |   | 08/19/25 10:30 | 08/22/25 13:35 | 1       |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-32712/1-A

Matrix: Solid

Analysis Batch: 33009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32712

| MB MB                       |           | Qualifier | Limits   | Prepared |  | Analyzed       |                | Dil | Fac |
|-----------------------------|-----------|-----------|----------|----------|--|----------------|----------------|-----|-----|
| Surrogate                   | %Recovery |           |          |          |  |                |                |     |     |
| 4-Bromofluorobenzene (Surr) | 86        |           | 15 - 150 |          |  | 08/19/25 10:30 | 08/22/25 13:35 |     | 1   |

Lab Sample ID: LCS 885-32712/3-A

Matrix: Solid

Analysis Batch: 33009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32712

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec     |  |
|---------------------|----------------|---------------|------------------|-------|---|------|----------|--|
|                     |                |               |                  |       |   |      | Limits   |  |
| Benzene             | 1.00           | 0.959         |                  | mg/Kg |   | 96   | 70 - 130 |  |
| Ethylbenzene        | 1.00           | 0.943         |                  | mg/Kg |   | 94   | 70 - 130 |  |
| m-Xylene & p-Xylene | 2.00           | 1.93          |                  | mg/Kg |   | 97   | 70 - 130 |  |
| o-Xylene            | 1.00           | 0.938         |                  | mg/Kg |   | 94   | 70 - 130 |  |
| Toluene             | 1.00           | 0.929         |                  | mg/Kg |   | 93   | 70 - 130 |  |

| LCS LCS                     |           | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery |           |          |
| 4-Bromofluorobenzene (Surr) | 88        |           | 15 - 150 |

Lab Sample ID: 885-31189-2 MS

Matrix: Solid

Analysis Batch: 33009

Client Sample ID: SS25-16

Prep Type: Total/NA

Prep Batch: 32712

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec     |  |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|--|
|                     |                  |                     |                |              |                 |       |   |      | Limits   |  |
| Benzene             | ND               |                     | 0.998          | 0.961        |                 | mg/Kg |   | 96   | 70 - 130 |  |
| Ethylbenzene        | ND               |                     | 0.998          | 0.937        |                 | mg/Kg |   | 94   | 70 - 130 |  |
| m-Xylene & p-Xylene | ND               |                     | 2.00           | 1.99         |                 | mg/Kg |   | 100  | 70 - 130 |  |
| o-Xylene            | ND               |                     | 0.998          | 0.948        |                 | mg/Kg |   | 95   | 70 - 130 |  |
| Toluene             | ND               |                     | 0.998          | 0.949        |                 | mg/Kg |   | 95   | 70 - 130 |  |

| MS MS                       |           | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery |           |          |
| 4-Bromofluorobenzene (Surr) | 92        |           | 15 - 150 |

Lab Sample ID: 885-31189-2 MSD

Matrix: Solid

Analysis Batch: 33009

Client Sample ID: SS25-16

Prep Type: Total/NA

Prep Batch: 32712

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec     |  | RPD |       |
|---------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|--|-----|-------|
|                     |                  |                     |                |               |                  |       |   |      | Limits   |  | RPD | Limit |
| Benzene             | ND               |                     | 0.995          | 0.968         |                  | mg/Kg |   | 97   | 70 - 130 |  | 1   | 20    |
| Ethylbenzene        | ND               |                     | 0.995          | 0.949         |                  | mg/Kg |   | 95   | 70 - 130 |  | 1   | 20    |
| m-Xylene & p-Xylene | ND               |                     | 1.99           | 1.98          |                  | mg/Kg |   | 100  | 70 - 130 |  | 0   | 20    |
| o-Xylene            | ND               |                     | 0.995          | 0.957         |                  | mg/Kg |   | 96   | 70 - 130 |  | 1   | 20    |
| Toluene             | ND               |                     | 0.995          | 0.946         |                  | mg/Kg |   | 95   | 70 - 130 |  | 0   | 20    |

| MSD MSD                     |           | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery |           |          |
| 4-Bromofluorobenzene (Surr) | 91        |           | 15 - 150 |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-32757/1-A

Matrix: Solid

Analysis Batch: 32944

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32757

| Analyte        | MB<br>Result | MB<br>Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|-------|-------|---|----------------|----------------|---------|
| Benzene        | ND           |                 | 0.025 | mg/Kg |   | 08/19/25 16:18 | 08/21/25 16:12 | 1       |
| Ethylbenzene   | ND           |                 | 0.050 | mg/Kg |   | 08/19/25 16:18 | 08/21/25 16:12 | 1       |
| Toluene        | ND           |                 | 0.050 | mg/Kg |   | 08/19/25 16:18 | 08/21/25 16:12 | 1       |
| Xylenes, Total | ND           |                 | 0.10  | mg/Kg |   | 08/19/25 16:18 | 08/21/25 16:12 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92              |                 | 15 - 150 | 08/19/25 16:18 | 08/21/25 16:12 | 1       |

Lab Sample ID: LCS 885-32757/3-A

Matrix: Solid

Analysis Batch: 32944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32757

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 1.00           | 1.03          |                  | mg/Kg |   | 103  | 70 - 130       |
| Ethylbenzene        | 1.00           | 0.989         |                  | mg/Kg |   | 99   | 70 - 130       |
| m-Xylene & p-Xylene | 2.00           | 2.10          |                  | mg/Kg |   | 105  | 70 - 130       |
| o-Xylene            | 1.00           | 1.00          |                  | mg/Kg |   | 100  | 70 - 130       |
| Toluene             | 1.00           | 0.994         |                  | mg/Kg |   | 99   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 95               |                  | 15 - 150 |

Lab Sample ID: 885-31189-22 MS

Matrix: Solid

Analysis Batch: 32966

Client Sample ID: SS25-36

Prep Type: Total/NA

Prep Batch: 32757

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene             | ND               |                     | 0.997          | 0.964        |                 | mg/Kg |   | 97   | 70 - 130       |
| Ethylbenzene        | ND               |                     | 0.997          | 0.930        |                 | mg/Kg |   | 93   | 70 - 130       |
| m-Xylene & p-Xylene | ND               |                     | 1.99           | 1.93         |                 | mg/Kg |   | 97   | 70 - 130       |
| o-Xylene            | ND               |                     | 0.997          | 0.935        |                 | mg/Kg |   | 94   | 70 - 130       |
| Toluene             | ND               |                     | 0.997          | 0.932        |                 | mg/Kg |   | 93   | 70 - 130       |

| Surrogate                   | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|-----------------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene (Surr) | 86              |                 | 15 - 150 |

Lab Sample ID: 885-31189-22 MSD

Matrix: Solid

Analysis Batch: 32966

Client Sample ID: SS25-36

Prep Type: Total/NA

Prep Batch: 32757

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | Limit |
|---------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|-------|
| Benzene             | ND               |                     | 0.992          | 0.964         |                  | mg/Kg |   | 97   | 70 - 130       | 0   | 20    |
| Ethylbenzene        | ND               |                     | 0.992          | 0.940         |                  | mg/Kg |   | 95   | 70 - 130       | 1   | 20    |
| m-Xylene & p-Xylene | ND               |                     | 1.98           | 1.96          |                  | mg/Kg |   | 99   | 70 - 130       | 1   | 20    |
| o-Xylene            | ND               |                     | 0.992          | 0.937         |                  | mg/Kg |   | 94   | 70 - 130       | 0   | 20    |
| Toluene             | ND               |                     | 0.992          | 0.951         |                  | mg/Kg |   | 96   | 70 - 130       | 2   | 20    |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-31189-22 MSD

Matrix: Solid

Analysis Batch: 32966

Client Sample ID: SS25-36

Prep Type: Total/NA

Prep Batch: 32757

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 90        |           | 15 - 150 |

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-32945/1-A

Matrix: Solid

Analysis Batch: 32983

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32945

| Analyte                            | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | ND              |                 | 10       | mg/Kg |   | 08/21/25 14:10 | 08/22/25 20:58 | 1       |
| Motor Oil Range Organics [C28-C40] | ND              |                 | 50       | mg/Kg |   | 08/21/25 14:10 | 08/22/25 20:58 | 1       |
| Surrogate                          | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 107             |                 | 62 - 134 |       |   | 08/21/25 14:10 | 08/22/25 20:58 | 1       |

Lab Sample ID: LCS 885-32945/2-A

Matrix: Solid

Analysis Batch: 32983

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32945

| Analyte                            | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Diesel Range Organics<br>[C10-C28] | 50.0             | 51.7             |                  | mg/Kg |   | 103  | 51 - 148       |
| Surrogate                          | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| Di-n-octyl phthalate (Surr)        | 98               |                  | 62 - 134         |       |   |      |                |

Lab Sample ID: 885-31189-1 MS

Matrix: Solid

Analysis Batch: 32983

Client Sample ID: SS25-15

Prep Type: Total/NA

Prep Batch: 32945

| Analyte                            | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Diesel Range Organics<br>[C10-C28] | ND               |                     | 48.2           | 40.1         |                 | mg/Kg |   | 83   | 44 - 136       |
| Surrogate                          | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| Di-n-octyl phthalate (Surr)        | 106              |                     | 62 - 134       |              |                 |       |   |      |                |

Lab Sample ID: 885-31189-1 MSD

Matrix: Solid

Analysis Batch: 32983

Client Sample ID: SS25-15

Prep Type: Total/NA

Prep Batch: 32945

| Analyte                            | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Diesel Range Organics<br>[C10-C28] | ND               |                     | 48.5           | 55.6          |                  | mg/Kg |   | 115  | 44 - 136       | 32  | 32           |
| Surrogate                          | MSD<br>%Recovery | MSD<br>Qualifier    | Limits         |               |                  |       |   |      |                |     |              |
| Di-n-octyl phthalate (Surr)        | 107              |                     | 62 - 134       |               |                  |       |   |      |                |     |              |

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QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

|                                    |              |              |          |       |   |                                |                |         |  |
|------------------------------------|--------------|--------------|----------|-------|---|--------------------------------|----------------|---------|--|
| Lab Sample ID: MB 885-33172/1-A    |              |              |          |       |   | Client Sample ID: Method Blank |                |         |  |
| Matrix: Solid                      |              |              |          |       |   | Prep Type: Total/NA            |                |         |  |
| Analysis Batch: 33206              |              |              |          |       |   | Prep Batch: 33172              |                |         |  |
| Analyte                            | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared                       | Analyzed       | Dil Fac |  |
| Diesel Range Organics [C10-C28]    | ND           |              | 10       | mg/Kg |   | 08/25/25 17:15                 | 08/26/25 13:42 | 1       |  |
| Motor Oil Range Organics [C28-C40] | ND           |              | 50       | mg/Kg |   | 08/25/25 17:15                 | 08/26/25 13:42 | 1       |  |
| Surrogate                          | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared                       | Analyzed       | Dil Fac |  |
| Di-n-octyl phthalate (Surr)        | 89           |              | 62 - 134 |       |   | 08/25/25 17:15                 | 08/26/25 13:42 | 1       |  |

|                                  |               |               |             |            |               |                                      |   |      |             |
|----------------------------------|---------------|---------------|-------------|------------|---------------|--------------------------------------|---|------|-------------|
| Lab Sample ID: LCS 885-33172/2-A |               |               |             |            |               | Client Sample ID: Lab Control Sample |   |      |             |
| Matrix: Solid                    |               |               |             |            |               | Prep Type: Total/NA                  |   |      |             |
| Analysis Batch: 33206            |               |               |             |            |               | Prep Batch: 33172                    |   |      |             |
| Analyte                          |               |               | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec Limits |
| Diesel Range Organics [C10-C28]  |               |               | 50.0        | 47.4       |               | mg/Kg                                |   | 95   | 51 - 148    |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits      |            |               |                                      |   |      |             |
| Di-n-octyl phthalate (Surr)      | 88            |               | 62 - 134    |            |               |                                      |   |      |             |

|                                    |              |              |          |       |   |                                |                |         |  |
|------------------------------------|--------------|--------------|----------|-------|---|--------------------------------|----------------|---------|--|
| Lab Sample ID: MB 885-33226/1-A    |              |              |          |       |   | Client Sample ID: Method Blank |                |         |  |
| Matrix: Solid                      |              |              |          |       |   | Prep Type: Total/NA            |                |         |  |
| Analysis Batch: 33194              |              |              |          |       |   | Prep Batch: 33226              |                |         |  |
| Analyte                            | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared                       | Analyzed       | Dil Fac |  |
| Diesel Range Organics [C10-C28]    | ND           |              | 10       | mg/Kg |   | 08/26/25 11:26                 | 08/26/25 15:29 | 1       |  |
| Motor Oil Range Organics [C28-C40] | ND           |              | 50       | mg/Kg |   | 08/26/25 11:26                 | 08/26/25 15:29 | 1       |  |
| Surrogate                          | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared                       | Analyzed       | Dil Fac |  |
| Di-n-octyl phthalate (Surr)        | 102          |              | 62 - 134 |       |   | 08/26/25 11:26                 | 08/26/25 15:29 | 1       |  |

|                                  |               |               |             |            |               |                                      |   |      |             |
|----------------------------------|---------------|---------------|-------------|------------|---------------|--------------------------------------|---|------|-------------|
| Lab Sample ID: LCS 885-33226/2-A |               |               |             |            |               | Client Sample ID: Lab Control Sample |   |      |             |
| Matrix: Solid                    |               |               |             |            |               | Prep Type: Total/NA                  |   |      |             |
| Analysis Batch: 33194            |               |               |             |            |               | Prep Batch: 33226                    |   |      |             |
| Analyte                          |               |               | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec Limits |
| Diesel Range Organics [C10-C28]  |               |               | 50.0        | 46.8       |               | mg/Kg                                |   | 94   | 51 - 148    |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits      |            |               |                                      |   |      |             |
| Di-n-octyl phthalate (Surr)      | 99            |               | 62 - 134    |            |               |                                      |   |      |             |

Method: 300.0 - Anions, Ion Chromatography

|                                 |           |              |     |       |   |                                |                |         |  |
|---------------------------------|-----------|--------------|-----|-------|---|--------------------------------|----------------|---------|--|
| Lab Sample ID: MB 885-32772/1-A |           |              |     |       |   | Client Sample ID: Method Blank |                |         |  |
| Matrix: Solid                   |           |              |     |       |   | Prep Type: Total/NA            |                |         |  |
| Analysis Batch: 32775           |           |              |     |       |   | Prep Batch: 32772              |                |         |  |
| Analyte                         | MB Result | MB Qualifier | RL  | Unit  | D | Prepared                       | Analyzed       | Dil Fac |  |
| Chloride                        | ND        |              | 5.0 | mg/Kg |   | 08/20/25 06:12                 | 08/20/25 08:12 | 1       |  |

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## QC Sample Results

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-32772/2-A

Matrix: Solid

Analysis Batch: 32775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32772

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 49.7        | 47.8       |               | mg/Kg |   | 96   | 90 - 110    |

Lab Sample ID: MB 885-32811/1-A

Matrix: Solid

Analysis Batch: 32775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32811

| Analyte  | MB Result | MB Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|-----|-------|---|----------------|----------------|---------|
| Chloride | ND        |              | 5.0 | mg/Kg |   | 08/20/25 11:00 | 08/20/25 12:13 | 1       |

Lab Sample ID: LCS 885-32811/2-A

Matrix: Solid

Analysis Batch: 32775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32811

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 49.8        | 49.0       |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: 885-31189-21 MS

Matrix: Solid

Analysis Batch: 32890

Client Sample ID: SS25-35

Prep Type: Total/NA

Prep Batch: 32811

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 17000         |                  | 49.5        | 17400     | 4            | mg/Kg |   | 148  | 50 - 150    |

Lab Sample ID: 885-31189-22 MS

Matrix: Solid

Analysis Batch: 32890

Client Sample ID: SS25-36

Prep Type: Total/NA

Prep Batch: 32811

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 260           |                  | 49.7        | 301       | 4            | mg/Kg |   | 88   | 50 - 150    |

Lab Sample ID: 885-31189-22 MSD

Matrix: Solid

Analysis Batch: 32890

Client Sample ID: SS25-36

Prep Type: Total/NA

Prep Batch: 32811

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 260           |                  | 49.7        | 298        | 4             | mg/Kg |   | 83   | 50 - 150    | 1   | 20        |

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## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## GC VOA

## Prep Batch: 32712

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-1       | SS25-15            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-2       | SS25-16            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-5       | SS25-19            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-6       | SS25-20            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | 5030C  |            |
| MB 885-32712/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32712/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32712/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| 885-31189-1 MS    | SS25-15            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-1 MSD   | SS25-15            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-2 MS    | SS25-16            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-2 MSD   | SS25-16            | Total/NA  | Solid  | 5030C  |            |

## Prep Batch: 32757

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-21      | SS25-35            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-22      | SS25-36            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-23      | SS25-37            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-24      | SS25-38            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-25      | SS25-39            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-26      | SS25-40            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-27      | SS25-41            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-28      | SS25-42            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-29      | SS25-43            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-30      | SS25-44            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-31      | SS25-45            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-32      | SS25-46            | Total/NA  | Solid  | 5030C  |            |
| MB 885-32757/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32757/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-32757/3-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| 885-31189-21 MS   | SS25-35            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-21 MSD  | SS25-35            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-22 MS   | SS25-36            | Total/NA  | Solid  | 5030C  |            |
| 885-31189-22 MSD  | SS25-36            | Total/NA  | Solid  | 5030C  |            |

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## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## GC VOA

## Analysis Batch: 32943

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| MB 885-32757/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32757      |
| LCS 885-32757/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32757      |

## Analysis Batch: 32944

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 885-32757/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32757      |
| LCS 885-32757/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32757      |

## Analysis Batch: 32966

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 885-31189-21     | SS25-35          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-22     | SS25-36          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-23     | SS25-37          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-24     | SS25-38          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-25     | SS25-39          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-26     | SS25-40          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-27     | SS25-41          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-28     | SS25-42          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-29     | SS25-43          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-30     | SS25-44          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-31     | SS25-45          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-32     | SS25-46          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-22 MS  | SS25-36          | Total/NA  | Solid  | 8021B  | 32757      |
| 885-31189-22 MSD | SS25-36          | Total/NA  | Solid  | 8021B  | 32757      |

## Analysis Batch: 32967

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|------------------|------------------|-----------|--------|---------|------------|
| 885-31189-21     | SS25-35          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-22     | SS25-36          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-23     | SS25-37          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-24     | SS25-38          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-25     | SS25-39          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-26     | SS25-40          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-27     | SS25-41          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-28     | SS25-42          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-29     | SS25-43          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-30     | SS25-44          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-31     | SS25-45          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-32     | SS25-46          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-21 MS  | SS25-35          | Total/NA  | Solid  | 8015M/D | 32757      |
| 885-31189-21 MSD | SS25-35          | Total/NA  | Solid  | 8015M/D | 32757      |

## Analysis Batch: 33008

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-31189-1   | SS25-15          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-2   | SS25-16          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-3   | SS25-17          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-4   | SS25-18          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-5   | SS25-19          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-6   | SS25-20          | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-7   | SS25-21          | Total/NA  | Solid  | 8015M/D | 32712      |

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## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## GC VOA (Continued)

## Analysis Batch: 33008 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | 8015M/D | 32712      |
| MB 885-32712/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32712      |
| LCS 885-32712/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-1 MS    | SS25-15            | Total/NA  | Solid  | 8015M/D | 32712      |
| 885-31189-1 MSD   | SS25-15            | Total/NA  | Solid  | 8015M/D | 32712      |

## Analysis Batch: 33009

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-1       | SS25-15            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-2       | SS25-16            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-5       | SS25-19            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-6       | SS25-20            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | 8021B  | 32712      |
| MB 885-32712/1-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 32712      |
| LCS 885-32712/3-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-2 MS    | SS25-16            | Total/NA  | Solid  | 8021B  | 32712      |
| 885-31189-2 MSD   | SS25-16            | Total/NA  | Solid  | 8021B  | 32712      |

## GC Semi VOA

## Prep Batch: 32945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-31189-1   | SS25-15          | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-2   | SS25-16          | Total/NA  | Solid  | SHAKE  |            |

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## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## GC Semi VOA (Continued)

## Prep Batch: 32945 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-5       | SS25-19            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-6       | SS25-20            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | SHAKE  |            |
| MB 885-32945/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-32945/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-1 MS    | SS25-15            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-1 MSD   | SS25-15            | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 32983

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-31189-1       | SS25-15            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-2       | SS25-16            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-5       | SS25-19            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-6       | SS25-20            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | 8015M/D | 32945      |
| MB 885-32945/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 32945      |
| LCS 885-32945/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-1 MS    | SS25-15            | Total/NA  | Solid  | 8015M/D | 32945      |
| 885-31189-1 MSD   | SS25-15            | Total/NA  | Solid  | 8015M/D | 32945      |

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QC Association Summary

Client: Vertex

Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

GC Semi VOA

Prep Batch: 33172

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-21      | SS25-35            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-22      | SS25-36            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-23      | SS25-37            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-24      | SS25-38            | Total/NA  | Solid  | SHAKE  |            |
| MB 885-33172/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-33172/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

Analysis Batch: 33187

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-31189-28  | SS25-42          | Total/NA  | Solid  | 8015M/D | 33226      |
| 885-31189-29  | SS25-43          | Total/NA  | Solid  | 8015M/D | 33226      |
| 885-31189-30  | SS25-44          | Total/NA  | Solid  | 8015M/D | 33226      |
| 885-31189-31  | SS25-45          | Total/NA  | Solid  | 8015M/D | 33226      |

Analysis Batch: 33194

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-31189-25      | SS25-39            | Total/NA  | Solid  | 8015M/D | 33226      |
| 885-31189-26      | SS25-40            | Total/NA  | Solid  | 8015M/D | 33226      |
| 885-31189-27      | SS25-41            | Total/NA  | Solid  | 8015M/D | 33226      |
| MB 885-33226/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 33226      |
| LCS 885-33226/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 33226      |

Analysis Batch: 33206

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-31189-21      | SS25-35            | Total/NA  | Solid  | 8015M/D | 33172      |
| 885-31189-22      | SS25-36            | Total/NA  | Solid  | 8015M/D | 33172      |
| 885-31189-23      | SS25-37            | Total/NA  | Solid  | 8015M/D | 33172      |
| 885-31189-24      | SS25-38            | Total/NA  | Solid  | 8015M/D | 33172      |
| MB 885-33172/1-A  | Method Blank       | Total/NA  | Solid  | 8015M/D | 33172      |
| LCS 885-33172/2-A | Lab Control Sample | Total/NA  | Solid  | 8015M/D | 33172      |

Prep Batch: 33226

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-25      | SS25-39            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-26      | SS25-40            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-27      | SS25-41            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-28      | SS25-42            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-29      | SS25-43            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-30      | SS25-44            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-31      | SS25-45            | Total/NA  | Solid  | SHAKE  |            |
| 885-31189-32      | SS25-46            | Total/NA  | Solid  | SHAKE  |            |
| MB 885-33226/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-33226/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

Analysis Batch: 33310

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-31189-32  | SS25-46          | Total/NA  | Solid  | 8015M/D | 33226      |



## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## HPLC/IC

## Prep Batch: 32772

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-31189-1       | SS25-15            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-2       | SS25-16            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-5       | SS25-19            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-6       | SS25-20            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-8       | SS25-22            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-17      | SS25-31            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-18      | SS25-32            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-19      | SS25-33            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-20      | SS25-34            | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32772/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32772/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

## Analysis Batch: 32775

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-31189-3       | SS25-17            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-4       | SS25-18            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-7       | SS25-21            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-9       | SS25-23            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-10      | SS25-24            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-11      | SS25-25            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-12      | SS25-26            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-13      | SS25-27            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-14      | SS25-28            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-15      | SS25-29            | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-16      | SS25-30            | Total/NA  | Solid  | 300.0  | 32772      |
| MB 885-32772/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32772      |
| MB 885-32811/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 32811      |
| LCS 885-32772/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32772      |
| LCS 885-32811/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 32811      |

## Prep Batch: 32811

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 885-31189-21  | SS25-35          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-22  | SS25-36          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-23  | SS25-37          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-24  | SS25-38          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-25  | SS25-39          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-26  | SS25-40          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-27  | SS25-41          | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-28  | SS25-42          | Total/NA  | Solid  | 300_Prep |            |

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## QC Association Summary

Client: Vertex

Job ID: 885-31189-1

Project/Site: North Pure Gold 8 Federal 11

## HPLC/IC (Continued)

## Prep Batch: 32811 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-31189-29      | SS25-43            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-30      | SS25-44            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-31      | SS25-45            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-32      | SS25-46            | Total/NA  | Solid  | 300_Prep |            |
| MB 885-32811/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-32811/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-21 MS   | SS25-35            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-22 MS   | SS25-36            | Total/NA  | Solid  | 300_Prep |            |
| 885-31189-22 MSD  | SS25-36            | Total/NA  | Solid  | 300_Prep |            |

## Analysis Batch: 32890

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 885-31189-1      | SS25-15          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-2      | SS25-16          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-5      | SS25-19          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-6      | SS25-20          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-8      | SS25-22          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-17     | SS25-31          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-18     | SS25-32          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-19     | SS25-33          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-20     | SS25-34          | Total/NA  | Solid  | 300.0  | 32772      |
| 885-31189-21     | SS25-35          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-22     | SS25-36          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-23     | SS25-37          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-24     | SS25-38          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-25     | SS25-39          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-26     | SS25-40          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-27     | SS25-41          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-28     | SS25-42          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-29     | SS25-43          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-30     | SS25-44          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-31     | SS25-45          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-32     | SS25-46          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-21 MS  | SS25-35          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-22 MS  | SS25-36          | Total/NA  | Solid  | 300.0  | 32811      |
| 885-31189-22 MSD | SS25-36          | Total/NA  | Solid  | 300.0  | 32811      |

Eurofins Albuquerque

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Client Sample ID: SS25-15**  
**Date Collected: 08/14/25 10:00**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-1**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 13:59       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 13:59       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 21:23       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 50              | 32890        | RC      | EET ALB | 08/21/25 13:07       |

**Client Sample ID: SS25-16**  
**Date Collected: 08/14/25 10:10**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-2**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 15:10       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 15:10       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 22:00       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 13:17       |

**Client Sample ID: SS25-17**  
**Date Collected: 08/14/25 10:20**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-3**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 16:22       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 16:22       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 22:12       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 09:40       |

**Client Sample ID: SS25-18**  
**Date Collected: 08/14/25 10:30**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-4**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 16:46       |

Eurofins Albuquerque

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Client Sample ID: SS25-18

Lab Sample ID: 885-31189-4

Date Collected: 08/14/25 10:30

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 16:46       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 22:25       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 09:50       |

Client Sample ID: SS25-19

Lab Sample ID: 885-31189-5

Date Collected: 08/14/25 10:40

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 17:10       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 17:10       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 22:38       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 50              | 32890        | RC      | EET ALB | 08/21/25 13:26       |

Client Sample ID: SS25-20

Lab Sample ID: 885-31189-6

Date Collected: 08/14/25 10:50

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 17:34       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 17:34       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 22:50       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 13:36       |

Client Sample ID: SS25-21

Lab Sample ID: 885-31189-7

Date Collected: 08/14/25 11:00

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 17:58       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 17:58       |

Eurofins Albuquerque

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Client Sample ID: SS25-21

Lab Sample ID: 885-31189-7

Date Collected: 08/14/25 11:00

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 23:15       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 10:39       |

Client Sample ID: SS25-22

Lab Sample ID: 885-31189-8

Date Collected: 08/14/25 11:10

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 18:22       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 18:22       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 23:27       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 13:46       |

Client Sample ID: SS25-23

Lab Sample ID: 885-31189-9

Date Collected: 08/14/25 11:20

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 18:46       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 18:46       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 23:40       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 11:03       |

Client Sample ID: SS25-24

Lab Sample ID: 885-31189-10

Date Collected: 08/14/25 11:30

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 19:10       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 19:10       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/22/25 23:53       |

Eurofins Albuquerque

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Client Sample ID: SS25-24

Date Collected: 08/14/25 11:30

Date Received: 08/16/25 08:00

Lab Sample ID: 885-31189-10

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 11:13       |

Client Sample ID: SS25-25

Date Collected: 08/14/25 11:40

Date Received: 08/16/25 08:00

Lab Sample ID: 885-31189-11

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 19:58       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 19:58       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 00:05       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 11:23       |

Client Sample ID: SS25-26

Date Collected: 08/14/25 11:50

Date Received: 08/16/25 08:00

Lab Sample ID: 885-31189-12

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 20:22       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 20:22       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 00:18       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 11:33       |

Client Sample ID: SS25-27

Date Collected: 08/14/25 12:00

Date Received: 08/16/25 08:00

Lab Sample ID: 885-31189-13

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 20:45       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 20:45       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 00:30       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 13:52       |



Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Client Sample ID: SS25-28

Lab Sample ID: 885-31189-14

Date Collected: 08/14/25 12:10

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 21:09       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 21:09       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 00:43       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 14:02       |

Client Sample ID: SS25-29

Lab Sample ID: 885-31189-15

Date Collected: 08/14/25 12:20

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 21:33       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 21:33       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 00:55       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 14:11       |

Client Sample ID: SS25-30

Lab Sample ID: 885-31189-16

Date Collected: 08/14/25 12:30

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 21:56       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 21:56       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 01:07       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32775        | RC      | EET ALB | 08/20/25 14:21       |

Client Sample ID: SS25-31

Lab Sample ID: 885-31189-17

Date Collected: 08/14/25 12:40

Matrix: Solid

Date Received: 08/16/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 22:20       |

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Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Client Sample ID: SS25-31**  
**Date Collected: 08/14/25 12:40**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-17**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 22:20       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 01:20       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 09:10       |

**Client Sample ID: SS25-32**  
**Date Collected: 08/14/25 12:50**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-18**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 22:44       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 22:44       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 01:32       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 09:20       |

**Client Sample ID: SS25-33**  
**Date Collected: 08/14/25 13:00**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-19**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 23:07       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 23:07       |
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 01:45       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 09:30       |

**Client Sample ID: SS25-34**  
**Date Collected: 08/14/25 13:10**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-20**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33008        | JP      | EET ALB | 08/22/25 23:31       |
| Total/NA  | Prep       | 5030C        |     |                 | 32712        | KLS     | EET ALB | 08/19/25 10:30       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 33009        | JP      | EET ALB | 08/22/25 23:31       |

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Client Sample ID: SS25-34**  
**Date Collected: 08/14/25 13:10**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-20**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | SHAKE        |     |                 | 32945        | BZR     | EET ALB | 08/21/25 14:11       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32983        | EM      | EET ALB | 08/23/25 01:57       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32772        | JT      | EET ALB | 08/20/25 06:12       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 09:40       |

**Client Sample ID: SS25-35**  
**Date Collected: 08/14/25 13:20**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-21**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 03:41       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 03:41       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33172        | DH      | EET ALB | 08/25/25 17:15       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33206        | JE      | EET ALB | 08/26/25 17:43       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 50              | 32890        | RC      | EET ALB | 08/21/25 09:50       |

**Client Sample ID: SS25-36**  
**Date Collected: 08/14/25 13:30**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-22**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 04:52       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 04:52       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33172        | DH      | EET ALB | 08/25/25 17:15       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33206        | JE      | EET ALB | 08/26/25 17:55       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 10:19       |

**Client Sample ID: SS25-37**  
**Date Collected: 08/14/25 13:40**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-23**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 06:03       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 06:03       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33172        | DH      | EET ALB | 08/25/25 17:15       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33206        | JE      | EET ALB | 08/26/25 18:06       |

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Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Client Sample ID: SS25-37**  
**Date Collected: 08/14/25 13:40**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-23**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 11:09       |

**Client Sample ID: SS25-38**  
**Date Collected: 08/14/25 13:50**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-24**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 06:26       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 06:26       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33172        | DH      | EET ALB | 08/25/25 17:15       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33206        | JE      | EET ALB | 08/26/25 18:18       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 11:18       |

**Client Sample ID: SS25-39**  
**Date Collected: 08/14/25 14:00**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-25**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 07:13       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 07:13       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33194        | EM      | EET ALB | 08/26/25 15:51       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 11:28       |

**Client Sample ID: SS25-40**  
**Date Collected: 08/14/25 14:10**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-26**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 07:37       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 07:37       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33194        | EM      | EET ALB | 08/26/25 16:02       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 11:38       |

Lab Chronicle

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

**Client Sample ID: SS25-41**  
**Date Collected: 08/14/25 14:20**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-27**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 08:00       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 08:00       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33194        | EM      | EET ALB | 08/26/25 16:13       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 11:48       |

**Client Sample ID: SS25-42**  
**Date Collected: 08/14/25 14:30**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-28**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 08:23       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 08:23       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33187        | EM      | EET ALB | 08/26/25 15:55       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 32890        | RC      | EET ALB | 08/21/25 11:58       |

**Client Sample ID: SS25-43**  
**Date Collected: 08/14/25 14:40**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-29**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 08:47       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 08:47       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33187        | EM      | EET ALB | 08/26/25 16:07       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 12:08       |

**Client Sample ID: SS25-44**  
**Date Collected: 08/14/25 14:50**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-30**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 09:10       |

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Client: Vertex  
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Job ID: 885-31189-1

**Client Sample ID: SS25-44**  
**Date Collected: 08/14/25 14:50**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-30**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 09:10       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33187        | EM      | EET ALB | 08/26/25 16:19       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 12:17       |

**Client Sample ID: SS25-45**  
**Date Collected: 08/14/25 15:00**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-31**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 09:34       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 09:34       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 33187        | EM      | EET ALB | 08/26/25 16:32       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 12:27       |

**Client Sample ID: SS25-46**  
**Date Collected: 08/14/25 15:10**  
**Date Received: 08/16/25 08:00**

**Lab Sample ID: 885-31189-32**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8015M/D      |     | 1               | 32967        | JP      | EET ALB | 08/22/25 09:57       |
| Total/NA  | Prep       | 5030C        |     |                 | 32757        | KLS     | EET ALB | 08/19/25 16:18       |
| Total/NA  | Analysis   | 8021B        |     | 1               | 32966        | JP      | EET ALB | 08/22/25 09:57       |
| Total/NA  | Prep       | SHAKE        |     |                 | 33226        | EM      | EET ALB | 08/26/25 11:26       |
| Total/NA  | Analysis   | 8015M/D      |     | 5               | 33310        | BZR     | EET ALB | 08/27/25 11:56       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 32811        | ES      | EET ALB | 08/20/25 11:00       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 32890        | RC      | EET ALB | 08/21/25 12:37       |

Laboratory References:  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Vertex  
Project/Site: North Pure Gold 8 Federal 11

Job ID: 885-31189-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|--------------------------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-27-26                             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                              |
| 300.0                                                                                                                                                                                                 | 300_Prep    | Solid                 | Chloride                             |
| 8015M/D                                                                                                                                                                                               | 5030C       | Solid                 | Gasoline Range Organics (GRO)-C6-C10 |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Diesel Range Organics [C10-C28]      |
| 8015M/D                                                                                                                                                                                               | SHAKE       | Solid                 | Motor Oil Range Organics [C28-C40]   |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Benzene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Ethylbenzene                         |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Toluene                              |
| 8021B                                                                                                                                                                                                 | 5030C       | Solid                 | Xylenes, Total                       |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-26-26                             |







## Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-31189-1

Login Number: 31189

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |



Report to:  
Sally Carttar



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Vertex Resource Services Inc.

Project Name: North Pure Gold 8 Fed 11

Work Order: E509004

Job Number: 01058-0007

Received: 9/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/4/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 9/4/25

Sally Carttar  
3101 Boyd Drive  
Carlsbad, NM 88220



Project Name: North Pure Gold 8 Fed 11  
Workorder: E509004  
Date Received: 9/3/2025 7:30:20AM

Sally Carttar,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/3/2025 7:30:20AM, under the Project Name: North Pure Gold 8 Fed 11.

The analytical test results summarized in this report with the Project Name: North Pure Gold 8 Fed 11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

|                                                                        |                                                                                                        |                             |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br>09/04/25 14:45 |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| Backfill         | E509004-01A   | Soil   | 08/31/25 | 09/03/25 | Glass Jar, 2 oz. |



## Sample Data

|                                                                        |                                                                                                        |                                 |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br>9/4/2025 2:45:20PM |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|

### Backfill

**E509004-01**

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2536029 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 09/03/25 | 09/03/25       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 09/03/25 | 09/03/25       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 09/03/25 | 09/03/25       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 09/03/25 | 09/03/25       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 09/03/25 | 09/03/25       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 09/03/25 | 09/03/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 93.0 %          | 70-130      | 09/03/25 | 09/03/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2536029 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/03/25 | 09/03/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 106 %           | 70-130      | 09/03/25 | 09/03/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2536030 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/03/25 | 09/03/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/03/25 | 09/03/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 93.5 %          | 61-141      | 09/03/25 | 09/03/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2536031 |       |
| Chloride                                              | 275    | 20.0            | 1           | 09/03/25 | 09/03/25       |       |



## QC Summary Data

|                                                                        |                                                                                                        |                                 |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br>9/4/2025 2:45:20PM |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|

## Volatile Organics by EPA 8021B

Analyst: SL

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

## Blank (2536029-BLK1)

Prepared: 09/03/25 Analyzed: 09/03/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.65 |        | 8.00 |  | 95.6 | 70-130 |  |  |  |

## LCS (2536029-BS1)

Prepared: 09/03/25 Analyzed: 09/03/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.29 | 0.0250 | 5.00 |  | 85.7 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.36 | 0.0250 | 5.00 |  | 87.2 | 70-130 |  |  |  |
| Toluene                             | 4.35 | 0.0250 | 5.00 |  | 87.1 | 70-130 |  |  |  |
| o-Xylene                            | 4.37 | 0.0250 | 5.00 |  | 87.5 | 70-130 |  |  |  |
| p,m-Xylene                          | 8.85 | 0.0500 | 10.0 |  | 88.5 | 70-130 |  |  |  |
| Total Xylenes                       | 13.2 | 0.0250 | 15.0 |  | 88.2 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.69 |        | 8.00 |  | 96.1 | 70-130 |  |  |  |

## Matrix Spike (2536029-MS1)

Source: E509008-02

Prepared: 09/03/25 Analyzed: 09/03/25

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.45 | 0.0250 | 5.00 | ND | 89.0 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.52 | 0.0250 | 5.00 | ND | 90.5 | 70-130 |  |  |  |
| Toluene                             | 4.53 | 0.0250 | 5.00 | ND | 90.6 | 70-130 |  |  |  |
| o-Xylene                            | 4.57 | 0.0250 | 5.00 | ND | 91.4 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.20 | 0.0500 | 10.0 | ND | 92.0 | 70-130 |  |  |  |
| Total Xylenes                       | 13.8 | 0.0250 | 15.0 | ND | 91.8 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.82 |        | 8.00 |    | 97.8 | 70-130 |  |  |  |

## Matrix Spike Dup (2536029-MSD1)

Source: E509008-02

Prepared: 09/03/25 Analyzed: 09/03/25

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 4.19 | 0.0250 | 5.00 | ND | 83.9 | 70-130 | 5.97 | 27 |  |
| Ethylbenzene                        | 4.28 | 0.0250 | 5.00 | ND | 85.6 | 70-130 | 5.55 | 26 |  |
| Toluene                             | 4.28 | 0.0250 | 5.00 | ND | 85.5 | 70-130 | 5.76 | 20 |  |
| o-Xylene                            | 4.34 | 0.0250 | 5.00 | ND | 86.8 | 70-130 | 5.12 | 25 |  |
| p,m-Xylene                          | 8.72 | 0.0500 | 10.0 | ND | 87.2 | 70-130 | 5.38 | 23 |  |
| Total Xylenes                       | 13.1 | 0.0250 | 15.0 | ND | 87.1 | 70-130 | 5.30 | 26 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.73 |        | 8.00 |    | 96.6 | 70-130 |      |    |  |



QC Summary Data

|                                                                        |                                                                                                        |                                     |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br><br>9/4/2025 2:45:20PM |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2536029-BLK1) Prepared: 09/03/25 Analyzed: 09/03/25

|                                         |      |      |      |  |     |        |  |  |  |
|-----------------------------------------|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |     |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.73 |      | 8.00 |  | 109 | 70-130 |  |  |  |

LCS (2536029-BS2) Prepared: 09/03/25 Analyzed: 09/03/25

|                                         |      |      |      |  |     |        |  |  |  |
|-----------------------------------------|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 54.8 | 20.0 | 50.0 |  | 110 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.65 |      | 8.00 |  | 108 | 70-130 |  |  |  |

Matrix Spike (2536029-MS2) Source: E509008-02 Prepared: 09/03/25 Analyzed: 09/03/25

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 47.1 | 20.0 | 50.0 | ND | 94.1 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.38 |      | 8.00 |    | 105  | 70-130 |  |  |  |

Matrix Spike Dup (2536029-MSD2) Source: E509008-02 Prepared: 09/03/25 Analyzed: 09/03/25

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 42.5 | 20.0 | 50.0 | ND | 85.0 | 70-130 | 10.2 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.46 |      | 8.00 |    | 106  | 70-130 |      |    |  |





QC Summary Data

|                                                                        |                                                                                                        |                                     |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br><br>9/4/2025 2:45:20PM |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| <b>Blank (2536030-BLK1)</b>     |      |      |      |  | Prepared: 09/03/25 Analyzed: 09/03/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 46.1 |      | 50.0 |  | 92.3                                  | 61-141 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| <b>LCS (2536030-BS1)</b>        |      |      |      |  | Prepared: 09/03/25 Analyzed: 09/03/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 221  | 25.0 | 250  |  | 88.3                                  | 66-144 |  |  |  |
| Surrogate: n-Nonane             | 46.2 |      | 50.0 |  | 92.4                                  | 61-141 |  |  |  |

|                                   |      |      |      |    |                           |        |                                       |  |  |
|-----------------------------------|------|------|------|----|---------------------------|--------|---------------------------------------|--|--|
| <b>Matrix Spike (2536030-MS1)</b> |      |      |      |    | <b>Source: E509004-01</b> |        | Prepared: 09/03/25 Analyzed: 09/03/25 |  |  |
| Diesel Range Organics (C10-C28)   | 242  | 25.0 | 250  | ND | 96.9                      | 56-156 |                                       |  |  |
| Surrogate: n-Nonane               | 48.0 |      | 50.0 |    | 96.1                      | 61-141 |                                       |  |  |

|                                        |      |      |      |    |                           |        |                                       |    |  |
|----------------------------------------|------|------|------|----|---------------------------|--------|---------------------------------------|----|--|
| <b>Matrix Spike Dup (2536030-MSD1)</b> |      |      |      |    | <b>Source: E509004-01</b> |        | Prepared: 09/03/25 Analyzed: 09/03/25 |    |  |
| Diesel Range Organics (C10-C28)        | 248  | 25.0 | 250  | ND | 99.1                      | 56-156 | 2.27                                  | 20 |  |
| Surrogate: n-Nonane                    | 48.0 |      | 50.0 |    | 96.0                      | 61-141 |                                       |    |  |



QC Summary Data

|                                                                        |                                                                                                        |                                     |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|
| Vertex Resource Services Inc.<br>3101 Boyd Drive<br>Carlsbad NM, 88220 | Project Name: North Pure Gold 8 Fed 11<br>Project Number: 01058-0007<br>Project Manager: Sally Carttar | Reported:<br><br>9/4/2025 2:45:20PM |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|

Anions by EPA 300.0/9056A

Analyst: IY

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

|                                        |     |      |     |     |                                       |        |                                       |    |  |
|----------------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| <b>Blank (2536031-BLK1)</b>            |     |      |     |     | Prepared: 09/03/25 Analyzed: 09/03/25 |        |                                       |    |  |
| Chloride                               | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| <b>LCS (2536031-BS1)</b>               |     |      |     |     | Prepared: 09/03/25 Analyzed: 09/03/25 |        |                                       |    |  |
| Chloride                               | 255 | 20.0 | 250 |     | 102                                   | 90-110 |                                       |    |  |
| <b>Matrix Spike (2536031-MS1)</b>      |     |      |     |     | <b>Source: E509004-01</b>             |        | Prepared: 09/03/25 Analyzed: 09/03/25 |    |  |
| Chloride                               | 523 | 20.0 | 250 | 275 | 99.4                                  | 80-120 |                                       |    |  |
| <b>Matrix Spike Dup (2536031-MSD1)</b> |     |      |     |     | <b>Source: E509004-01</b>             |        | Prepared: 09/03/25 Analyzed: 09/03/25 |    |  |
| Chloride                               | 505 | 20.0 | 250 | 275 | 92.1                                  | 80-120 | 3.52                                  | 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

|                               |                  |                          |                |
|-------------------------------|------------------|--------------------------|----------------|
| Vertex Resource Services Inc. | Project Name:    | North Pure Gold 8 Fed 11 |                |
| 3101 Boyd Drive               | Project Number:  | 01058-0007               | Reported:      |
| Carlsbad NM, 88220            | Project Manager: | Sally Carttar            | 09/04/25 14:45 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Envirotech Analytical Laboratory

Printed: 9/3/2025 8:00:04AM

## 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: | Vertex Resource Services Inc. | Date Received:  | 09/03/25 07:30             | Work Order ID: | E509004      |
| Phone:  | (575) 748-0176                | Date Logged In: | 09/02/25 13:39             | Logged In By:  | Caitlin Mars |
| Email:  | scarttar@vertex.ca            | Due Date:       | 09/04/25 07:00 (0 day TAT) |                |              |

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 503634

**QUESTIONS**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| <b>Prerequisites</b> |                                                             |
| Incident ID (n#)     | nAB1727057447                                               |
| Incident Name        | NAB1727057447 NORTH PURE GOLD 8 FEDERAL #011 @ 30-015-32619 |
| Incident Type        | Produced Water Release                                      |
| Incident Status      | Remediation Closure Report Received                         |
| Incident Well        | [30-015-32619] NORTH PURE GOLD 8 FEDERAL #011               |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                                |
|-------------------------|--------------------------------|
| Site Name               | NORTH PURE GOLD 8 FEDERAL #011 |
| Date Release Discovered | 09/12/2017                     |
| Surface Owner           | Federal                        |

**Incident Details**

Please answer all the questions in this group.

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| Incident Type                                                                                        | Produced Water Release |
| Did this release result in a fire or is the result of a fire                                         | No                     |
| Did this release result in any injuries                                                              | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                     |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

|                                                                                                                                                      |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Crude Oil Released (bbls) Details                                                                                                                    | Not answered.                                                                                           |
| Produced Water Released (bbls) Details                                                                                                               | Cause: Equipment Failure   Fitting   Produced Water   Released: 5 BBL   Recovered: 2 BBL   Lost: 3 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                  | Yes                                                                                                     |
| Condensate Released (bbls) Details                                                                                                                   | Not answered.                                                                                           |
| Natural Gas Vented (Mcf) Details                                                                                                                     | Not answered.                                                                                           |
| Natural Gas Flared (Mcf) Details                                                                                                                     | Not answered.                                                                                           |
| Other Released Details                                                                                                                               | Not answered.                                                                                           |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered.                                                                                           |



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QUESTIONS, Page 2

Action 503634

**QUESTIONS (continued)**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                                |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                                      | <b>More info needed to determine if this will be treated as a "gas only" report.</b> |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                         | <b>No</b>                                                                            |
| Reasons why this would be considered a submission for a notification of a major release                                                                        | <i>Unavailable.</i>                                                                  |
| <i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i> |                                                                                      |

**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                                                                         | <b>True</b>          |
| The impacted area has been secured to protect human health and the environment                                     | <b>True</b>          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | <b>True</b>          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | <b>True</b>          |
| If all the actions described above have not been undertaken, explain why                                           | <i>Not answered.</i> |

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

|                                                    |                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Roni Kidd<br>Title: Business Manager<br>Email: rkidd@buckhornproduction.com<br>Date: 09/08/2025 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 3

Action 503634

**QUESTIONS (continued)**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                                                                                                                                                                                                                                                      |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Site Characterization</b>                                                                                                                                                                                                                         |                                |
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> |                                |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)                                                                                                                           | Between 100 and 500 (ft.)      |
| What method was used to determine the depth to ground water                                                                                                                                                                                          | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water                                                                                                                                                                                                 | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>                                                                                                                             |                                |
| A continuously flowing watercourse or any other significant watercourse                                                                                                                                                                              | Between 1 and 5 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                                                                                                                                                    | Between 1 and 5 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church                                                                                                                                                                            | Between 1 and 5 (mi.)          |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes                                                                                                                            | Between ½ and 1 (mi.)          |
| Any other fresh water well or spring                                                                                                                                                                                                                 | Between ½ and 1 (mi.)          |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                                                                                                                                                      | Greater than 5 (mi.)           |
| A wetland                                                                                                                                                                                                                                            | Between 1 and 5 (mi.)          |
| A subsurface mine                                                                                                                                                                                                                                    | Greater than 5 (mi.)           |
| An (non-karst) unstable area                                                                                                                                                                                                                         | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology                                                                                                                                                                                     | Low                            |
| A 100-year floodplain                                                                                                                                                                                                                                | Greater than 5 (mi.)           |
| Did the release impact areas not on an exploration, development, production, or storage site                                                                                                                                                         | No                             |

|                                                                                                                                                                                                                                                                                                                                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Remediation Plan</b>                                                                                                                                                                                                                                                                                                                                                               |            |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                      |            |
| Requesting a remediation plan approval with this submission                                                                                                                                                                                                                                                                                                                           | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>                                                                                                                                                                        |            |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                          | Yes        |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                                                                                                                   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)                                                                                                                                                                                                                                                                     |            |
| Chloride (EPA 300.0 or SM4500 Cl B)                                                                                                                                                                                                                                                                                                                                                   | 16600      |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                           | 3490       |
| GRO+DRO (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                                     | 890        |
| BTEX (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                               | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                            | 0          |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                        |            |
| On what estimated date will the remediation commence                                                                                                                                                                                                                                                                                                                                  | 05/12/2025 |
| On what date will (or did) the final sampling or liner inspection occur                                                                                                                                                                                                                                                                                                               | 07/14/2025 |
| On what date will (or was) the remediation complete(d)                                                                                                                                                                                                                                                                                                                                | 07/14/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed                                                                                                                                                                                                                                                                                                            | 36918      |
| What is the estimated volume (in cubic yards) that will be reclaimed                                                                                                                                                                                                                                                                                                                  | 6300       |
| What is the estimated surface area (in square feet) that will be remediated                                                                                                                                                                                                                                                                                                           | 198        |
| What is the estimated volume (in cubic yards) that will be remediated                                                                                                                                                                                                                                                                                                                 | 22         |
| <i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>                                                                                                                                                                                |            |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> |            |

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QUESTIONS, Page 4

Action 503634

**QUESTIONS (continued)**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Remediation Plan (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                       |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                       |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |
| <i>(Select all answers below that apply.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                       |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                                                   |
| Which OCD approved facility will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | fJEG1635837366 OWL LANDFILL JAL                                                                       |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                         |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                                                    |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                                    |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                    |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                                                    |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                                                                                    |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                    |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                                                    |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No                                                                                                    |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                                                    |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       |
| 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. |                                                                                                       |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Roni Kidd<br>Title: Business Manager<br>Email: rkidd@buckhornproduction.com<br>Date: 09/08/2025 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                       |

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QUESTIONS, Page 5

Action 503634

**QUESTIONS (continued)**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                                                                                                                                                                                                       |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Deferral Requests Only</b>                                                                                                                                                                         |    |
| <i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i> |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission                                                                                                        | No |

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QUESTIONS, Page 6

Action 503634

**QUESTIONS (continued)**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 495441     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 08/15/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 53         |
| What was the sampling surface area in square feet                                               | 21283      |

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

|                                                                                                                                                                                                                                                                                    |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Requesting a remediation closure approval with this submission                                                                                                                                                                                                                     | Yes                            |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                       | Yes                            |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                | No                             |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion                                                         | Yes                            |
| What was the total surface area (in square feet) remediated                                                                                                                                                                                                                        | 196                            |
| What was the total volume (cubic yards) remediated                                                                                                                                                                                                                                 | 22                             |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes                            |
| What was the total surface area (in square feet) reclaimed                                                                                                                                                                                                                         | 196                            |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                               | 22                             |
| Summarize any additional remediation activities not included by answers (above)                                                                                                                                                                                                    | As detailed in attached report |

*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 (in .pdf format) 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.*

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.

|                                                    |                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Roni Kidd<br>Title: Business Manager<br>Email: rkidd@buckhornproduction.com<br>Date: 09/08/2025 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

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QUESTIONS (continued)

|                                                                                      |                                                                                 |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator:<br><br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br><br>10155                                                             |
|                                                                                      | Action Number:<br><br>503634                                                    |
|                                                                                      | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

|                                                                                       |    |
|---------------------------------------------------------------------------------------|----|
| Reclamation Report                                                                    |    |
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |



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

CONDITIONS

Action 503634

**CONDITIONS**

|                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>HARVARD PETROLEUM COMPANY, LLC<br>P.O. Box 936<br>Roswell, NM 88202 | OGRID:<br>10155                                                             |
|                                                                                  | Action Number:<br>503634                                                    |
|                                                                                  | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**CONDITIONS**

| Created By       | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Condition Date |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | Remediation closure is approved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9/11/2025      |
| michael.buchanan | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 9/11/2025      |
| michael.buchanan | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9/11/2025      |
| michael.buchanan | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.                                                                                                                             | 9/11/2025      |
| michael.buchanan | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9/11/2025      |
| michael.buchanan | Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9/11/2025      |