



December 9, 2024

District II
New Mexico Oil Conservation Division
811 S. First Street
Artesia, New Mexico 88210

**Re: Closure Request
Pure Gold A #8 Battery
Incident Number nAPP2220161298
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc. (Oxy), has prepared the following Closure Request to document excavation and soil sampling activities completed to address impacted soil at the Pure Gold A #8 Battery (Site). Soil was impacted by a release of produced water onto the surface of the well pad and into the pasture. Based on the excavation activities and analytical results from the soil sampling events, Oxy is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number nAPP2220161298.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 21, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.29152° N, 103.7857° W) and is associated with oil and gas exploration and production operations on state land managed by the Bureau of Land Management (BLM).

On July 17, 2022, an equipment failure on a 4-inch poly flow line resulted in the release of approximately 25 barrels (bbls) of produced water, with none recovered. Oxy reported the release to the NMOCD on July 20, 2022 and submitted a Form C-141 on June 6, 2024. The release was assigned Incident Number nAPP2220161298.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On November 19, 2024, Ensolum installed a soil boring (C-04897 (SB-1)) down to a depth of 110 feet bgs in order to determine groundwater depth for Oxy at the Pure Gold A Federal #005. C-04897 (SB-1). Groundwater was not encountered during the advancement of C-04897 (SB-1). The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a stream approximately 13,429 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology but is located within a low karst potential designation area. A Closure Criteria Map is included on Figure 4.

Based on the results of the Site Characterization and the location of the release, the following NMOCD Table 1 Closure Criteria (Closure Criteria) were applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of soil in the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

SITE ASSESSMENT AND SAMPLING ACTIVITIES

On July 1, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. A total of 21 composite soil samples were collected from seven pothole locations (PH01 through PH07) within the release area in order to delineate the lateral and vertical extent of impacted soil. Three soil samples were collected at each location at various depths ranging from 0.5 feet to 4 feet bgs. On August 30, 2024, Ensolum personnel collected a total of 6 delineation soil samples (SS01 through SS06) around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit. Photographic documentation was completed during the site visit and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-Gasoline Range Organics (GRO), TPH-Diesel Range Organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 4500 Cl-B.

Laboratory analytical results for the composite soil samples collected from PH05 (0.5 feet bgs, 2 feet bgs, and 4 feet bgs) collected within the release extent, indicated chloride concentrations exceeding the Closure Criteria. Laboratory analytical results for the delineation soil samples PH01 through PH04, PH06 and PH07, collected within the release extent at depths ranging from 0.5 to 4 feet bgs and the delineation soil samples (SS01 through SS06) collected from around the release extent at a depth of 0.5 feet bgs, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the strictest Table 1 Closure Criteria, and confirmed the lateral and vertical extent of the release. Laboratory analytical results are summarized on Table 1. Complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results; additional remediation activities were warranted.

Oxy USA Inc.
Closure Request
Pure Gold A #8 Battery



EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

From August 15, 2024 through November 7, 2024, Ensolum personnel returned to the Site to collect composite confirmation samples as well as oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the assessment and delineation soil samples. Excavation activities were performed using track-mounted backhoe and transport vehicle as well as a hydrovac. To direct excavation activities, soil was screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to a depth of 6 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation or from within the release extent, and every 200 square feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (SS07 through SS55) were collected from within the release extent from a depth of 0.5 feet bgs. Composite floor soil samples FS01 through FS03 were collected from the floor of the excavation at a depth from 4 to 6 feet bgs. The sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. Composite sidewall soil samples SW01 through SW03 were collected from the sidewall of the excavation from depths ranging from 0 feet bgs to 4 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

The excavation area measured approximately 600 square feet. A total of approximately 140 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lealand Landfill in Carlsbad, New Mexico. After confirmation sampling was completed, the backfill of the excavation was completed utilizing material purchased locally from the Lea Lank Caliche Pit and re-contoured to match pre-existing conditions. The Backfill Site Map is presented as Figure 5, laboratory analytical results for the backfill material are summarized on Table 2 and complete laboratory analytical reports are included in Appendix C.

Laboratory analytical results for the confirmation soil samples (SS07 through SS55), the final excavation floor samples (FS01 at 6 feet bgs, FS02 and FS03), and the final excavation sidewall samples (SW01 through SW03) indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria and no further remediation was required. The laboratory analytical results are summarized in Table 1. The complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the July 17, 2022 release of produced water. Laboratory analytical results for the soil samples, collected from the release extent and the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Oxy has completed backfill of the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. The off-pad areas will be seeded utilizing a weed-free seed mix approved by the BLM to meet the reclamation standard for this region. As such, Oxy respectfully requests closure for Incident Number nAPP2220161298.

If you have any questions or comments, please contact Mr. Beaux Jennings at (210) 219-8858 or bjennings@ensolum.com.

Sincerely,

Oxy USA Inc.
Closure Request
Pure Gold A #8 Battery



Ensolum, LLC

A handwritten signature in black ink, appearing to read "Georgiana McSwane".

Georgiana McSwane
Project Manager

A handwritten signature in black ink, appearing to read "Beaux Jennings".

Beaux Jennings
Senior Project Manager

cc: Wade Dittrich, Oxy USA Inc.
Tyson Pierce, Oxy USA Inc.
Bureau of Land Management

Appendices:

Figures

- Figure 1 Topographic
- Figure 2 Site Vicinity Map
- Figure 3 Site Map
- Figure 4 Closure Criteria
- Figure 5 Backfill Site Map

Table 1 Soil Sample Analytical Results

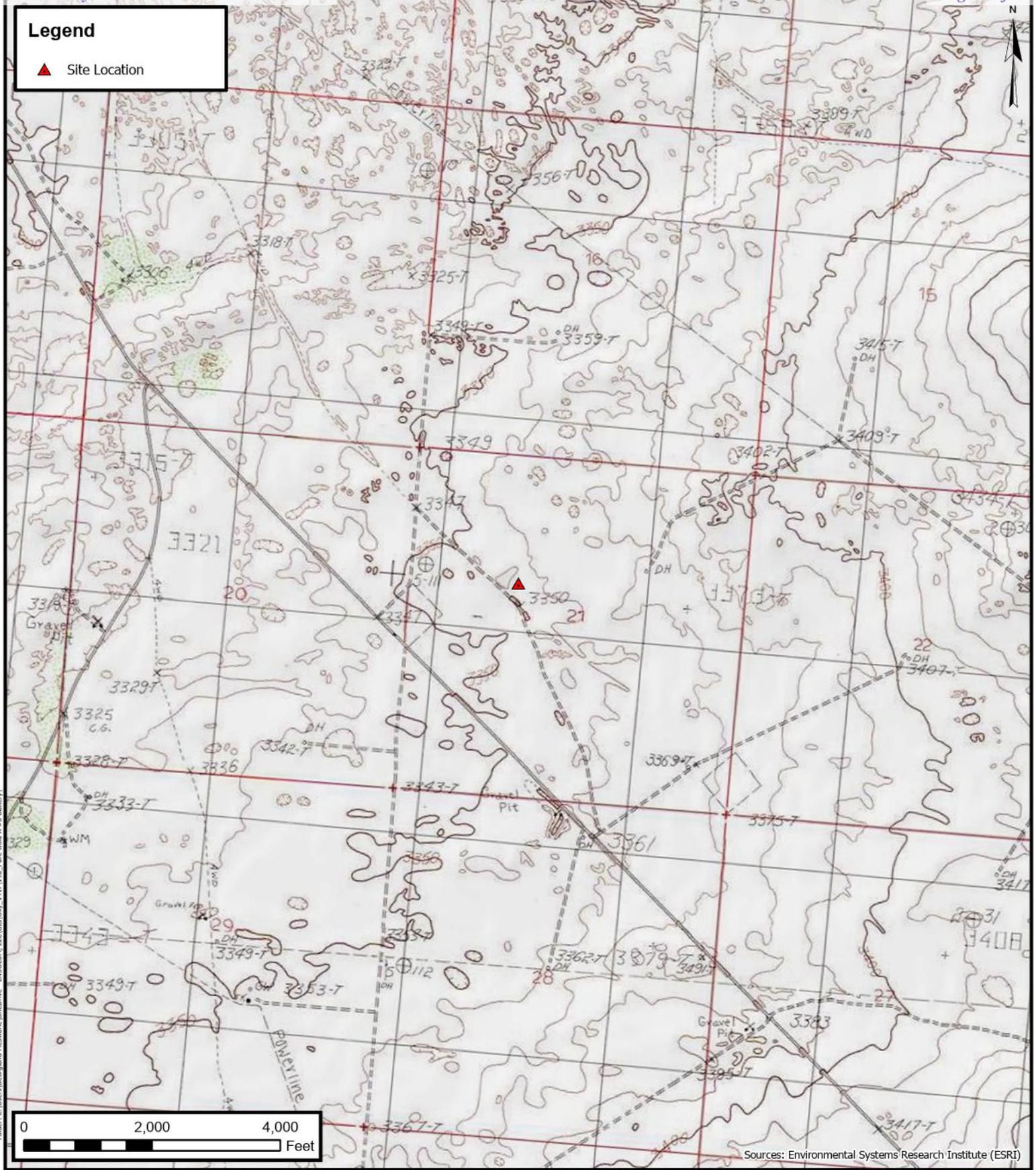
Table 2 Backfill Soil Sample Analytical Results

Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix D NMOCD Correspondence



ENSOLUM
 Environmental, Engineering and
 Hydrogeologic Consultants

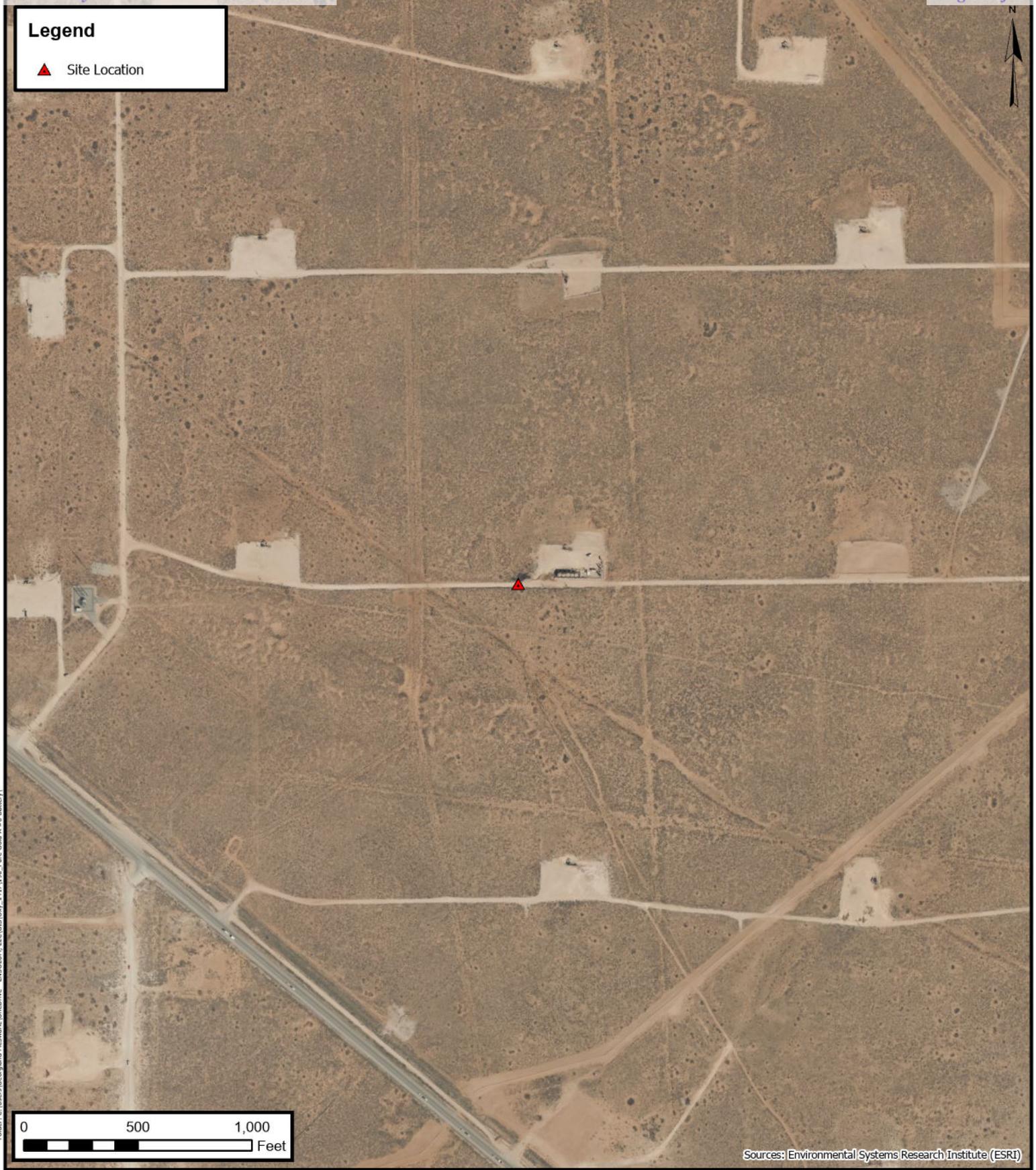
Topographic Map
 Oxy USA Inc.
 Pure Gold A #8 Battery
 32.29152° N, 103.78571° W
 Eddy County, New Mexico

PROJECT NUMBER: 03B1417196

FIGURE
 1

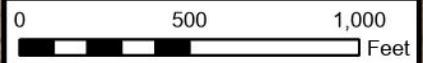
Legend

▲ Site Location



Sources: Environmental Systems Research Institute (ESRI)

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Site Vicinity Map

Oxy USA Inc.
Pure Gold A #8 Battery
32.29152° N, 103.78571° W
Eddy County, New Mexico

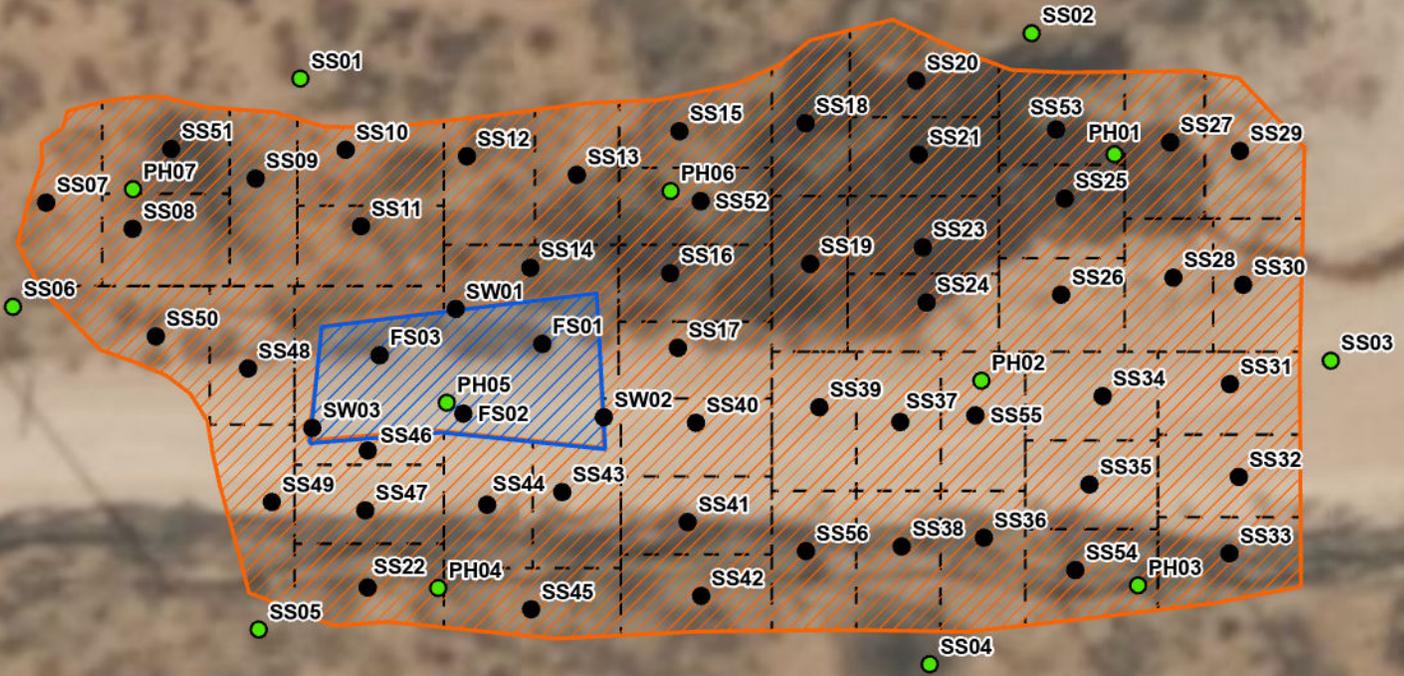
PROJECT NUMBER: 03B1417196

FIGURE

2

Legend

- Delineation Soil Sample Location
- Confirmation Soil Sample Location
- Excavation Extent
- Release Extent selection
- Composite Soil Sample Boundary



Sources: Environmental Systems Research Institute (ESRI)

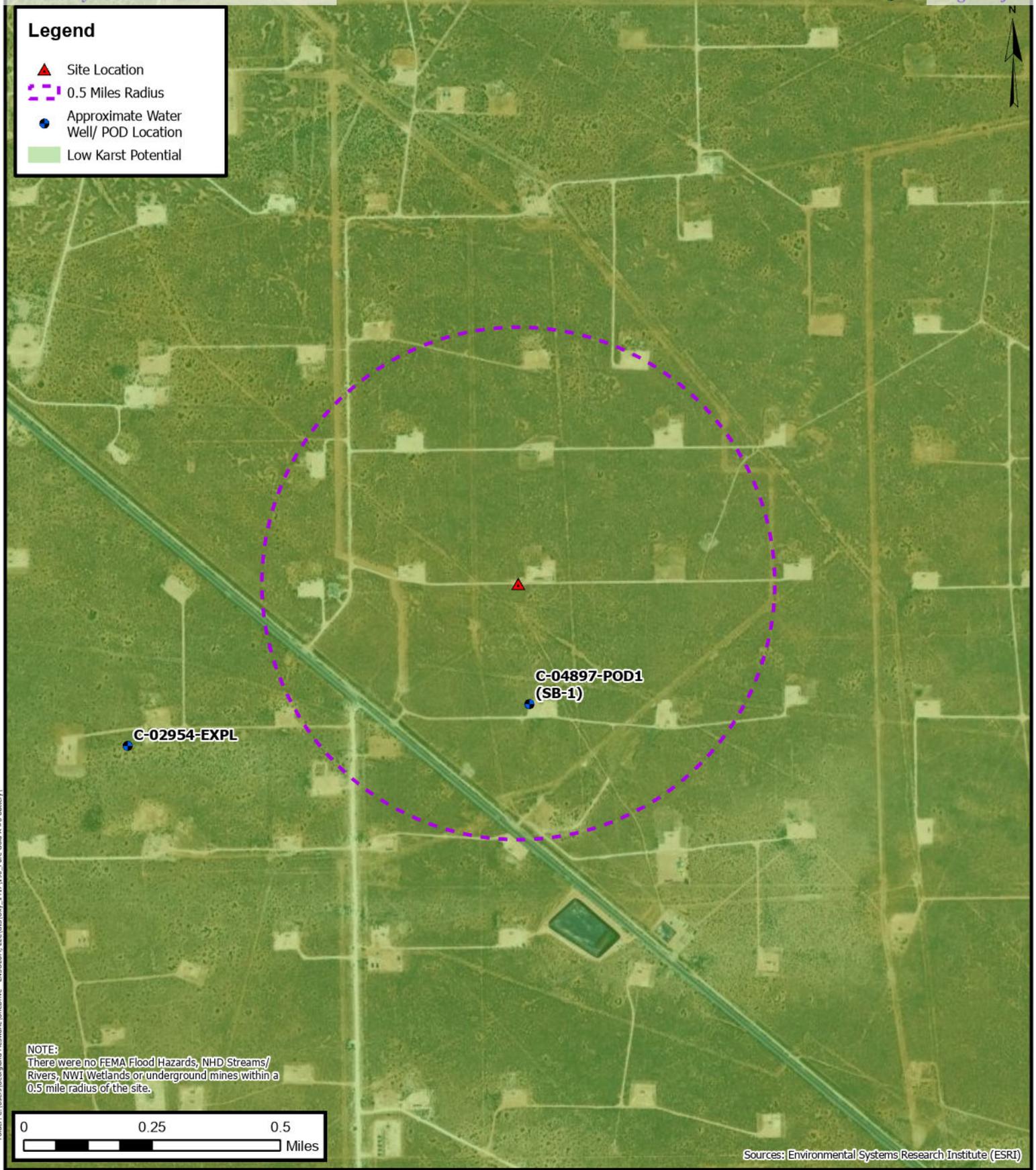


Site Map

Oxy USA Inc.
 Pure Gold A #8 Battery
 32.29152° N, 103.78571° W
 Eddy County, New Mexico

FIGURE
3

PROJECT NUMBER: 03B1417196



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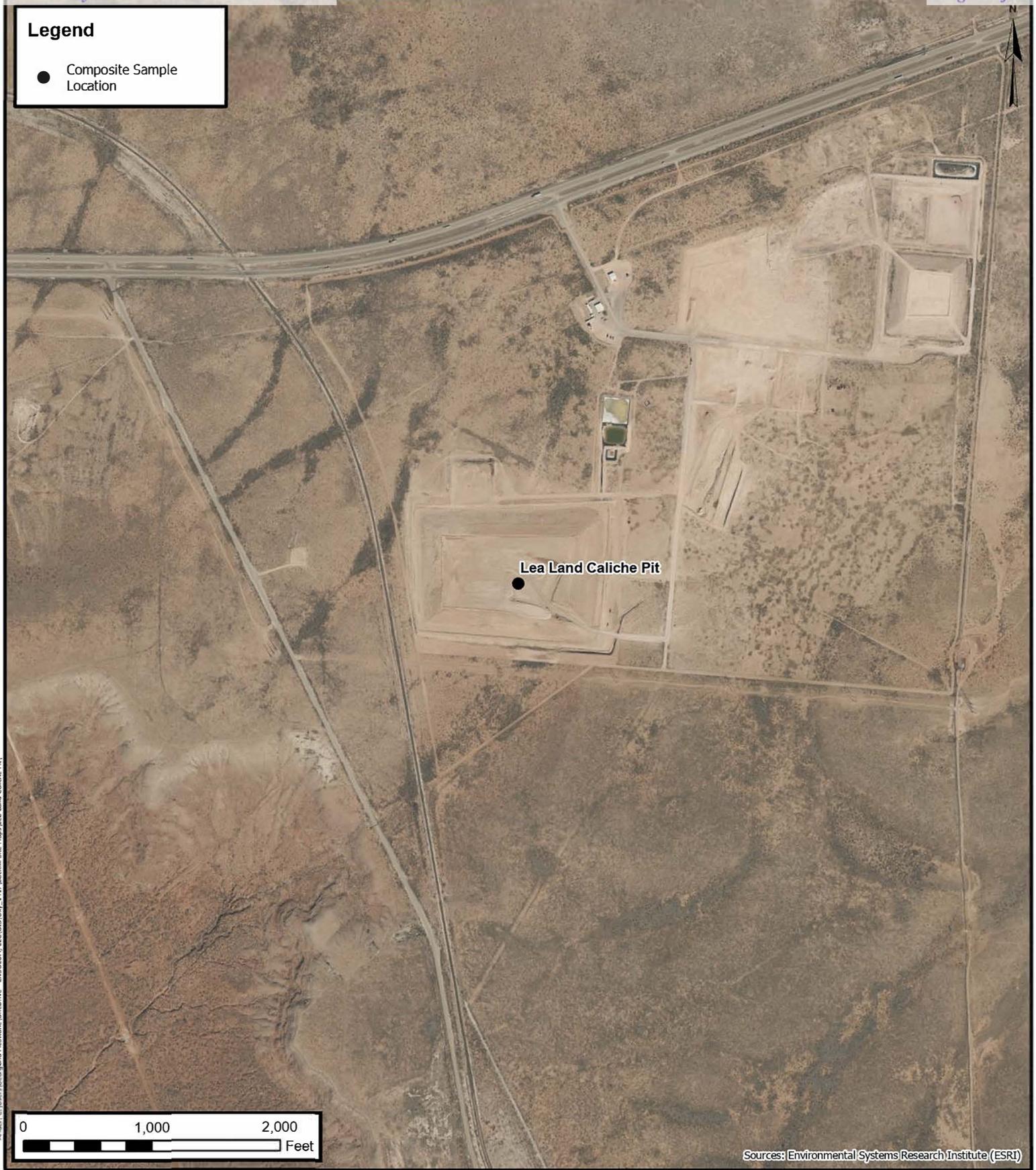
Closure Criteria Map
 Oxy USA Inc.
 Pure Gold A #8 Battery
 32.29152° N, 103.78571° W
 Eddy County, New Mexico

PROJECT NUMBER: 03B1417196

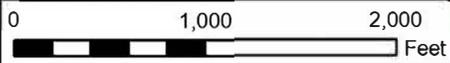
FIGURE
4

Legend

- Composite Sample Location



Lea Land Caliche Pit



Sources: Environmental Systems Research Institute (ESRI)



Backfill Site Map

Lea Land Caliche Pit
 32.5232397° N, 103.7845410° W
 Lea County, New Mexico

FIGURE
5

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Pure Gold A 8 Battery
 Oxy USA Inc.
 Eddy County, New Mexico
 Project No. 03B1417196

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Delineation Soil Sample Analytical Results												
PH01	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
	07/01/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
PH02	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
	07/01/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
PH03	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	07/01/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	564
PH04	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	07/01/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
PH05	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
	07/01/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	976
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,460
PH06	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	07/01/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
PH07	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	07/01/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	07/01/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS01	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS02	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS03	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
SS04	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS05	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS06	08/30/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
Confirmation Soil Sample Analytical Results												
SS07	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS08	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS09	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS10	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS11	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS12	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS13	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SS14	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SS15	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	10.1	<10.0	10.1	64.0
SS16	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	52.5	26.4	78.9	48.0
SS17	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS18	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Pure Gold A 8 Battery
 Oxy USA Inc.
 Eddy County, New Mexico
 Project No. 03B1417196

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
SS19	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS20	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS21	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS22	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS23	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS24	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS25	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS26	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS27	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS28	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SS29	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS30	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
SS31	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS32	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS33	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS34	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS35	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS36	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SS37	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
SS38	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SS39	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SS40	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS41	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
SS42	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS43	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS44	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS45	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS46	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS47	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SS48	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS49	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS50	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS51	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS52	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS53	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS54	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS55	08/16/2024	0.5	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
Excavation Floor Soil Sample Analytical Results												
FS01	08/15/2024	4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,840
	11/07/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS02	08/15/2024	4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Pure Gold A 8 Battery
 Oxy USA Inc.
 Eddy County, New Mexico
 Project No. 03B1417196

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
FS03	08/15/2024	4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
Excavation Sidewall Soil Sample Analytical Results												
SW01	08/15/2024	0-4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
SW02	08/15/2024	0-4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
SW03	08/15/2024	0-4	<0.050	<0.050	<0.300	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0

Notes:

- bgs: below ground surface
- mg/kg: milligrams per kilogram
- NMOCD: New Mexico Oil Conservation Division
- NMAC: New Mexico Administrative Code
- BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
- GRO: Gasoline Range Organics
- DRO: Diesel Range Organics
- ORO: Oil Range Organics
- TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** and yellow exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

Concentrations in **bold** and orange exceed the ...something about off pad reclamation standards?



TABLE 2
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
 Lea Land Caliche Pit
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Background Soil Sample Analytical Result												
Lea Land Caliche Pit	09/13/2024	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	98.6	<10.0	98.6	560

bgs: below ground surface
 mg/kg: milligrams per kilogram
 NA: Not Applicable
 NE: Not Established
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 MRO: Motor Oil/Lube Oil Range Organics
 TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records



GROUNDWATER LOG SB-1

ENSOLUM

PROJECT NUMBER 03B1417169	DRILLING DATE 11/19/2024	COORDINATES 32.288270, -103.785346
PROJECT NAME Pure Gold A Federal 005	TOTAL DEPTH 110'	COORD SYS
CLIENT Oxy USA, Inc.	DIAMETER 2"	COMPLETION
ADDRESS	CASING PVC	SURFACE ELEVATION 3358'
LICENCE NO.	SCREEN	WELL TOC

COMMENTS Drilled by Caleb Gregory, West Texas Water Well	LOGGED BY Shimada Kaoru
	CHECKED BY

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)		
				2			Brown sandy clay, dry, very fine-grained to fine-grained, trace gravel		3356		
				4		3354					
				6		3352					
				8		3350					
				10		3348					
				12		3346					
				14		3344					
				16		3342					
				18		3340					
				20		3338					
				22		3336					
				24		3334					
									Pale light brown caliche, small gravel		

Disclaimer This bore log is intended for environmental not geotechnical purposes.



GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				26					3332
				28					3330
				30			Brown clay, dry, no gravel, very fine-grained to fine-grained, oxidites		3328
				32					3326
				34					3324
				36					3322
				38					3320
				40			Reddish-brown, clayey-sand, fine to coarse, dry, non-cemented, non-plastic, some gravel		3318
				42					3316
				44					3314
				46					3312
				48					3310
				50			Brownish-red, sandy clay, dry, non-plastic, non-cemented, no gravel, oxidized		3308
				52					3306
				54					3304

Disclaimer This bore log is intended for environmental not geotechnical purposes.



GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)	
				56					3302	
				58						3300
				60			Reddish-brown sandy clay, non-cemented, non-plastic, very fine to fine-grained			3298
				62						3296
				64						3294
				66						3292
				68						3290
				70			Same as above, darker in color			3288
				72						3286
				74						3284
				76						3282
				78						3280
				80						3278
				82						3276
				84						3274

Disclaimer This bore log is intended for environmental not geotechnical purposes.



GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				86					3272
				88					3270
				90			Reddish-brown, dry, sandy clay, non-cemented, non-plastic, very fine-grained to fine-grained, no gravel		3268
				92				3266	
				94				3264	
				96				3262	
				98				3260	
				100				3258	
				102				3256	
				104				3254	
				106				3252	
				108				3250	
				110				Reddish brown silty clay, dry, non-cemented, non-plastic, very fine to coarse, no gravel	3248
				112					3246
				114		3244			

Disclaimer This bore log is intended for environmental not geotechnical purposes.



APPENDIX B

Photographic Log



Photographic Log
Oxy USA, inc
Pure Gold A #8 Battery
Incident Number: nAPP2220161298



Photograph: 5 Date: 7/17/2024
Description: Excavation Activites
View: Northeast

Photograph: 6 Date: 7/17/2024
Description: Excavation Activites
View: North



Photograph: 7 Date: 12/10/2024
Description: Backfill activities
View: West

Photograph: 8 Date: 12/10/2024
Description: Backfill activities
View: Northeast



APPENDIX B

Laboratory Analytical Reports & Chain-of-Custody Documentation



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 11, 2024

HADLIE GREEN
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: PURE GOLD A #8 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/03/24 9:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 01 0.5' (H244001-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	QM-07, QR-03
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	QM-07
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 01 3' (H244001-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 01 4' (H244001-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 02 0.5' (H244001-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 02 1' (H244001-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 02 4' (H244001-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 03 0.5' (H244001-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 03 1' (H244001-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 03 4' (H244001-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	564	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 04 0.5' (H244001-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 04 2' (H244001-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 04 4' (H244001-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 05 0.5' (H244001-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 05 2' (H244001-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 05 4' (H244001-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 06 0.5' (H244001-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	95.7	95.7	100	0.272	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	91.8	91.8	100	0.490	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 06 2' (H244001-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/09/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	102	102	100	2.73	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	5.66	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 06 4' (H244001-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/09/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	102	102	100	2.73	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	5.66	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 07 0.5' (H244001-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76		
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	102	102	100	2.73		
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	5.66		
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 07 2' (H244001-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.03	102	2.00	1.76	
Toluene*	<0.050	0.050	07/09/2024	ND	2.20	110	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.21	111	2.00	2.03	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.86	114	6.00	2.02	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/09/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	102	102	100	2.73	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	5.66	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2024	Sampling Date:	07/01/2024
Reported:	07/11/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417146	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO NM		

Sample ID: PH 07 4' (H244001-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	0.310		
Toluene*	<0.050	0.050	07/09/2024	ND	2.00	100	2.00	0.395		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.12	106	2.00	0.763		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.26	104	6.00	0.976	QM-07	
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	102	102	100	2.73		
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.8	91.8	100	5.66		
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC **BILL TO** ANALYSIS REQUEST

Project Manager: *Huddle Green* P.O. #: *DK, USA, Inc*

Address: 601 N Marientfeld Street, Suite 400 *Attn: Wade Pritchard*

City: Midland State: TX Zip: 79701

Phone #: *432-557-8895* Fax #: *432-557-8895* Address: *DK, USA, Inc*

Project #: *0381417196* Project Owner: *Pure Gold AFB Bakery* City: *Midland*

Project Name: *Pure Gold AFB Bakery* State: *TX* Zip: *79701*

Project Location: *Edgar County, NM* Phone #: *432-557-8895*

Sampler Name: *NKD* Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	SAMPLING	REMARKS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				
<i>11</i>	<i>PH04</i>	<i>2'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>710</i>	<i>X</i>	<i>TPH</i>	
<i>12</i>	<i>PH04</i>	<i>4'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1220</i>	<i>X</i>	<i>BTEX</i>	
<i>13</i>	<i>PH05</i>	<i>0.5'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>125</i>	<i>X</i>	<i>Chowder 4500</i>	
<i>14</i>	<i>PH05</i>	<i>2'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>135</i>	<i>X</i>		
<i>15</i>	<i>PH05</i>	<i>4'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>155</i>	<i>X</i>		
<i>16</i>	<i>PH06</i>	<i>0.5'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1033</i>	<i>X</i>		
<i>17</i>	<i>PH06</i>	<i>2'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1045</i>	<i>X</i>		
<i>18</i>	<i>PH06</i>	<i>4'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1055</i>	<i>X</i>		
<i>19</i>	<i>PH07</i>	<i>0.5'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1100</i>	<i>X</i>		
<i>20</i>	<i>PH07</i>	<i>2'</i>	<i>C</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7/1/24</i>	<i>1110</i>	<i>X</i>		

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Relinquished By: *Wade Pritchard* Received By: *Wade Pritchard*
 Date: *7-3-24* Time: *0957*

Delivered By: (Circle One) Standard Rush
 Sampler - UPS - Bus - Other: Corrected Temp. Observed Temp. *2.4* Sample Condition Cool Intact Yes No

Turnaround Time: *7:324* Bacteria (only) Sample Condition Observed Temp. *10:24* Cool Intact Yes No Corrected Temp. *10:24*

Thermometer ID # *TT3* # *140* Bacteria (only) Sample Condition Observed Temp. *10:24* Cool Intact Yes No Corrected Temp. *10:24*



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 21, 2024

BEAUX JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PURE GOLD A #8 BATTERY EXCAVATION

Enclosed are the results of analyses for samples received by the laboratory on 08/16/24 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS07 0.5 (H245001-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	222	111	200	6.63	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	207	104	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS08 0.5 (H245001-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	222	111	200	6.63	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	207	104	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS09 0.5 (H245001-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	222	111	200	6.63	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	207	104	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS10 0.5 (H245001-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	222	111	200	6.63	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	207	104	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS11 0.5 (H245001-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	222	111	200	6.63	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	207	104	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS12 0.5 (H245001-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS13 0.5 (H245001-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS14 0.5 (H245001-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS15 0.5 (H245001-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	10.1	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS16 0.5 (H245001-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	52.5	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	26.4	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS17 0.5 (H245001-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538		
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS18 0.5 (H245001-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.03	101	2.00	0.538		
Toluene*	<0.050	0.050	08/19/2024	ND	1.96	97.8	2.00	0.436		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.838		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.11	102	6.00	0.900		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/20/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS19 0.5 (H245001-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/20/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS20 0.5 (H245001-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	101	2.00	0.538		
Toluene*	<0.050	0.050	08/20/2024	ND	1.96	97.8	2.00	0.436		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.05	103	2.00	0.838		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.11	102	6.00	0.900		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/20/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS21 0.5 (H245001-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	101	2.00	0.538	
Toluene*	<0.050	0.050	08/20/2024	ND	1.96	97.8	2.00	0.436	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.05	103	2.00	0.838	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.11	102	6.00	0.900	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS22 0.5 (H245001-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	QM-07	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS23 0.5 (H245001-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS24 0.5 (H245001-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS25 0.5 (H245001-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS26 0.5 (H245001-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS27 0.5 (H245001-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS28 0.5 (H245001-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/20/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS29 0.5 (H245001-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS30 0.5 (H245001-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.36	118	2.00	1.62		
Toluene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS31 0.5 (H245001-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	233	117	200	2.95	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	226	113	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS32 0.5 (H245001-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS33 0.5 (H245001-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62		
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS34 0.5 (H245001-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS35 0.5 (H245001-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS36 0.5 (H245001-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62		
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS37 0.5 (H245001-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62		
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS38 0.5 (H245001-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS39 0.5 (H245001-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS40 0.5 (H245001-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62		
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS41 0.5 (H245001-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.36	118	2.00	1.62	
Toluene*	<0.050	0.050	08/20/2024	ND	2.06	103	2.00	2.30	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.95	97.4	2.00	2.74	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.88	98.1	6.00	2.67	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS42 0.5 (H245001-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/19/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS43 0.5 (H245001-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/19/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS44 0.5 (H245001-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/19/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS45 0.5 (H245001-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.33	117	2.00	1.58		
Toluene*	<0.050	0.050	08/19/2024	ND	2.37	118	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.43	122	2.00	3.05		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	7.30	122	6.00	3.59		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 65.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS46 0.5 (H245001-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS47 0.5 (H245001-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS48 0.5 (H245001-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS49 0.5 (H245001-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS50 0.5 (H245001-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58		
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70		
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND						

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS51 0.5 (H245001-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	229	114	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	206	103	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS52 0.5 (H245001-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS53 0.5 (H245001-47)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58		
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/20/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	201	100	200	4.35		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	197	98.5	200	5.57		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS54 0.5 (H245001-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.291352,-103.78571		

Sample ID: SS55 0.5 (H245001-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Beaux Jennings
 Address: 601 N. Marlandfield St. STE 400
 City: Midland State: TX Zip: 79701
 Phone #: (210)219-8858 Email: bjennings@ensolum.com
 Project #: 0301417196 Project Owner:
 Project Name: Pave Gold A #8 Bathery Excavated
 Project Location: 32.2482, -103.7357
 Sampler Name: Kaoru Shinada
 P.O. #: Company: OXY USA
 Attn: Wade Dittich
 Address: City: State: Zip: Email:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
1205561	5507	0.5	C	1	X						8-16-24	705	X	X	X	
	5508	1	C	1	X							706	X	X	X	
	5509	1	C	1	X							707	X	X	X	
	5510	1	C	1	X							708	X	X	X	
	5511	1	C	1	X							710	X	X	X	
	5512	1	C	1	X							711	X	X	X	
	5513	1	C	1	X							713	X	X	X	
	5514	1	C	1	X							714	X	X	X	
	5515	1	C	1	X							716	X	X	X	

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 All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.
 In no event shall Cardinal be liable for consequential or punitive damages. The undersigned hereby certifies that the information provided on this form is true and correct to the best of their knowledge and belief.
 All dates including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.
 Analysis of excesses shall be at the discretion of the laboratory.

Relinquished By: Keorn Shimada
 Date: 8-16-24
 Time: 1335
 Received By: Shookigney
 Date: 8-16-24
 Time: 1335

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: SAC

Observed Temp. °C: 5.8
 Corrected Temp. °C: 5.8

Sample Condition:
 Cool Intact
 No No

CHECKED BY: (Initials) SR

Turnaround Time: Standard Rush
 Thermometer ID: #113
 Correction Factor: 0.0

Vertical Result: Yes No
 All Results are emailed. Please provide Email address: bjennings@ensolum.com, gmcswaine@ensolum.com
 REMARKS: Paykey/AFE/NAME:
 Add'l Phone #:
 Corrected Temp. °C

FORM-006 R.3.2 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC		Project Manager: Beau Jennings		P.O. #:		BILL TO		ANALYSIS REQUEST			
Address: 601 N. Marland St. STE 400		City: Midland State: TX Zip: 79701		Company: OXY USA							
Phone #: (210)219-8858		Email: bjennings@ensolum.com		Attn: Wade Dittrich							
Project #: 02814196		Project Owner: Pure Gold A #8 Battery Excavation		City:							
Project Location: 32.29492, -103.78541		State: Zip:		Phone #:							
Sampler Name: Kaoru Shimada		Email:		PRESERV.:		SAMPLING					
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
H215001	5517	0.5			GROUNDWATER	8-10-24	7:20	X	X	X	
11	5518				WASTEWATER		7:23	X	X	X	
12	5519				SOIL		7:23	X	X	X	
13	5520				OIL		7:27	X	X	X	
14	5521				SLUDGE		7:27	X	X	X	
15	5522				OTHER :		10:53	X	X	X	
16	5523				ACID/BASE:		7:29	X	X	X	
17	5524				ICE / COOL		7:30	X	X	X	
18	5525				OTHER :		7:33	X	X	X	
19	5526						7:35	X	X	X	
20	5527							X	X	X	

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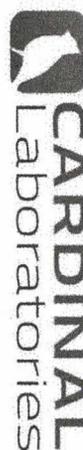
Retinquished By: Kaoru Shimada Date: 1/3/25 Received By: Steeleignony Verbal Result: Yes No Add'l Phone #:

Delivered By: (Circle One) UPS Observed Temp. °C: 5.8 Corrected Temp. °C: 5.2 Sample Condition: Cool Intact Yes No Checked By: SK Turnaround Time: Rush Standard Bacteria (only) Sample Condition: Yes No Yes No

Thermometer ID: #117 #140 Correction Factor: .05°C

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FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		Project Manager: Beaux Jennings		P.O. #:	
Address: 601 N. Marrenfield St. STE 400		City: Midland State: TX Zip: 79701		Company: OXY USA	
Phone #: (210)219-8858		Email: bjennings@ensolum.com		Attn: Wade Dittich	
Project #: 038141196		Project Owner: Pure Gold A & B Buffer Excavation		Address:	
Project Location: 32.28457, -103.78521		City:		State: Zip:	
Sampler Name: Kaoru Shimada		Email:		Phone #:	

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:			
12452b1	5331	0.5	C	1							8-16-24	1042	BTEX 8021B
	5338	5.38										1041	TPH 8015M
	5339	5.39										1045	Chloride 4500
	5340	5.40										1048	Hold
	5341	5.41										1047	
	5342	5.42										1046	
	5343	5.43										1050	
	5344	5.44										1051	
	5345	5.45										1051	

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Relinquished By: *[Signature]* Date: 11-03-24 Received By: *[Signature]* Date: 11-03-24

Relinquished By: *[Signature]* Date: 11-03-24 Received By: *[Signature]* Date: 11-03-24

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 58.2 Corrected Temp. °C: 5.22

Sample Condition: Cool Intact No No No

Checked By: *[Signature]*

Turnaround Time: Rush Standard Observed Temp. °C: ~~44.0~~ 140 Correction Factor: -0.02

Remarks: Paykey/AFF/NonAFF: *[Signature]*

Verbal Result: Yes No Add'l Phone #:

All Results are emailed. Please provide Email address: bjennings@ensolum.com, gmcswane@ensolum.com

FORM-006 R 3.2 10/07/21 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

BILL TO

Company Name: Ensolum, LLC
 Project Manager: Beaux Jennings
 Address: 601 N. Marland St. STE 400
 City: Midland State: TX Zip: 79701
 Phone #: (210)219-8858 Email: bjennings@ensolum.com
 Project #: 038441496 Project Owner:
 Project Name: Pure Gold A #9 Borehole E-Kov 01-20
 Project Location: 32.20151 - 108.28571
 Sampler Name: Kaoru Shimada
 P.O. #: Company: OXY USA
 Attn: Wade Dittrich
 Address: City: State: Zip: Phone #: Email:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE						
H20501	547	0.5	C	1						9-16-24	1054				
U7	548	1	C	1						1057					
U3	549	1	C	1						1057					
U6	550	1	C	1						709					
U5	551	1	C	1						731					
U0	552	1	C	1						1044					
U7	553	1	C	1						736					
U8	554	1	C	1						1036					
U9	555	1	C	1						1040					

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 Results of laboratory testing not included on this form are not included in this report. Cardinal's responsibility for the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, shall not be affected by the use of this form.

Relinquished By: *[Signature]* Date: 11-02-24 Received By: *[Signature]* Date: 11-02-24
 Relinquished By: *[Signature]* Date: 11-02-24 Received By: *[Signature]* Date: 11-02-24

Delivered By: (Circle One) Observed Temp. °C: 5.8°C Corrected Temp. °C: 5.2°C
 Sampler - UPS - Bus - Other: Sample Condition: Cool Intact Yes No
 Checked By: (Initials) SRZ
 Turnaround Time: Rush Standard Observed temp. °C: -0.10°C
 Thermometer ID: #140
 Correction Factor: -0.10°C
 Verbal Result: Yes No
 All Results are emailed. Please provide Email address: bjennings@ensolum.com, gmswaine@ensolum.com
 Add'l Phone #: Yes No
 Corrected Temp. °C: Yes No

FORM-008 R.3.2 11/07/21

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[Handwritten signature]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 21, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: PURE GOLD A #8 BATTERY EXCAVATION

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: FS 01 4 (H244976-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: FS 02 4 (H244976-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32		
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: FS 03 4 (H244976-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: SW 01 0-4 (H244976-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.25	112	2.00	3.22	
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: SW 02 0-4 (H244976-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.25	112	2.00	3.22	
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: SW 03 0-4 (H244976-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.25	112	2.00	3.22	
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Beaux Jennings

P.O. #: Company: OXY USA

Address: 601 N. Marland St. STE 400

Attn: Wade Dittrich

City: Midland State: TX Zip: 79701

Address:

Phone #: (210)219-9858

Email: bjennings@ensolum.com

Project #: 058417146

Project Owner: Kae Bold A #8 Bailey Expansion

Project Location:

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
12440710	F501	4	C	1	X									8-15-24	12:32	X	X	X	
1	F502	4	C	1	X									8-15-24	12:32	X	X	X	
2	F503	4	C	1	X									8-15-24	12:32	X	X	X	
3	SW01	0.4	C	1										8-15-24	14:55	X	X	X	
4	SW02	0.4	C	1										8-15-24	12:32	X	X	X	
5	SW03	0.4	C	1										8-15-24	12:32	X	X	X	

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 All claims including those for negligence and any other cause whatsoever shall be extinguished and waived by Cardinal within 30 days after completion of the applicable service.
 All claims shall be subject to the terms and conditions of Cardinal's standard terms and conditions, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors being sold or provided to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: [Blank] Received By: [Signature] Date: [Blank]

Delivered By: (Circle One) Corrected Temp. °C: 24°C Sample Condition: Cool Intact [X] Yes [] No [] No [] No

Sampler - UPS - Bus - Other: 1.8°C

FORM-006 R.32 10/07/21
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 05, 2024

HADLIE GREEN
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: PURE GOLD A #8 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/30/24 11:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 01 0.5 (H245310-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17	
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	202	101	200	0.105	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	199	99.4	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 02 0.5 (H245310-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	202	101	200	0.105		
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	199	99.4	200	4.50		
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND						

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 03 0.5 (H245310-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17	
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	202	101	200	0.105	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	199	99.4	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 04 0.5 (H245310-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	202	101	200	0.105		
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	199	99.4	200	4.50		
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND						

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 05 0.5 (H245310-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17	
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2024	ND	202	101	200	0.105	
DRO >C10-C28*	<10.0	10.0	08/31/2024	ND	199	99.4	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/31/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Solid
Project Name:	PURE GOLD A #8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SS 06 0.5 (H245310-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.92	96.2	2.00	5.17		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.0	2.00	4.44		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.87	93.7	2.00	4.11		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.57	92.9	6.00	4.05		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/31/2024	ND	202	101	200	0.105		
DRO >C10-C28*	<10.0	10.0	08/31/2024	ND	199	99.4	200	4.50		
EXT DRO >C28-C36	<10.0	10.0	08/31/2024	ND						

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Beaux Jennings
 Address: 601 N. Marland St. STE 400
 City: Midland State: TX Zip: 79701
 Phone #: (210)219-8858 Email: bjennings@ensolum.com
 Project #: 05B47196 Project Owner:
 Project Name: Pure 601 A # 8 Isfery
 Project Location:
 Sampler Name: Kaoru Shimada
 P.O. #: Company: OXY USA
 Attn: Tyson Pierce
 Address:
 City: State: Zip:
 Phone #: Email:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:						
11245310	9501	0.5	C	1							8-30-24	9:21	X	X	X	
	9502	1	C	1							9:15	9:12	X	X	X	
	9503	1	C	1							9:15	9:15	X	X	X	
	9504	1	C	1							9:15	9:15	X	X	X	
	9505	1	C	1							9:15	9:15	X	X	X	
	9506	1	C	1							9:20	9:20	X	X	X	

PLEASE NOTE: Liability and Damages: Cardinal's liability and direct exclusive remedy for any claim arising whether raised in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and strict liability claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Kaoru Shimada Date: 8/30/24 Received By: AP
 Relinquished By: AP Date: 11/3 Received By: AP

Delivered By: (Circle One) UPS Bus Other:
 Sampler - UPS - Bus - Other:
 Observed Temp. °C: 28.0 Corrected Temp. °C: 28.0
 Sample Condition: Cool Intact No Yes No No
 CHECKED BY: (Initials) AP
 Turnaround Time: Rush Standard Backfill (only Sample Condition)
 Thermometer ID #443 #140 Correction Factor -0.0°C
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: bjennings@ensolum.com, gmcswane@ensolum.com
 REMARKS: Paykey/AFFENONAFE:

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com

FORM-006 R 3.2 10/07/21



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 13, 2024

GEORGIANA MCSWANE
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: PURE GOLD A #8 BATTERY EXCAVATION

Enclosed are the results of analyses for samples received by the laboratory on 11/07/24 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 GEORGIANA MCSWANE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	PURE GOLD A #8 BATTERY EXCAVATION	Sampling Condition:	Cool & Intact
Project Number:	03B1417196	Sample Received By:	Alyssa Parras
Project Location:	LOVING CO., NM		

Sample ID: FS 01 6' (H246823-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2024	ND	2.09	104	2.00	1.38	
Toluene*	<0.050	0.050	11/11/2024	ND	2.15	107	2.00	0.185	
Ethylbenzene*	<0.050	0.050	11/11/2024	ND	2.08	104	2.00	0.199	
Total Xylenes*	<0.150	0.150	11/11/2024	ND	6.59	110	6.00	0.0970	
Total BTEX	<0.300	0.300	11/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/11/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2024	ND	220	110	200	4.65	
DRO >C10-C28*	<10.0	10.0	11/09/2024	ND	220	110	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	11/09/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 19, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: LEA LAND CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/16/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	09/16/2024	Sampling Date:	09/13/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	LEA LAND CALICHE PIT	Sampling Condition:	Cool & Intact
Project Number:	03B1417160	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: LEA LAND CALICHE PIT 0.5' (H245619-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.04	102	2.00	2.40	
Toluene*	<0.050	0.050	09/17/2024	ND	1.91	95.7	2.00	2.59	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	1.93	96.4	2.00	2.47	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	5.72	95.4	6.00	2.68	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/17/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	204	102	200	0.238	
DRO >C10-C28*	98.6	10.0	09/17/2024	ND	202	101	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Beaux Jennings

P.O. #:

Address: 601 N. Marlandfield St. STE 400

Company: OXY USA

City: Midland State: TX Zip: 79701

Attn: Wade Dittich

Phone #: (210)219-8858 Email:bjennings@ensolum.com

Address:

Project #: 03B1417160 Project Owner:

City: State: Zip:

Project Name: Lea Land Caliche Pit.

Phone #: Email:

Project Location:

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER: ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold
H245169	Lea Land Caliche Pit	0.5	C	1			X						9-15-24	10:41	X	X	X	

FIELD NOTE: Lab ID and Sample ID. Customer's lab ID and sample ID must be linked to the amount paid by the client for the analysis.

All claims including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated provisions or otherwise.

Relinquished By: Kaoru Shimada
Date: 9-16-24
Time: 1400

Received By: Mowery
Date: 9-16-24
Time: 1400

Verbal Results: Yes No
All Results are emailed. Please provide Email address: bjennings@ensolum.com, Mowery@ensolum.com
REMARKS: Paykey/AFFNONAFFE

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C
Corrected Temp. °C

Sample Condition
Cool Jacket Yes No

CHECKED BY: (Initials)

Thermometer Type: Standard Bakertite (only) Sample Condition

Correction Factor: Yes No

FORM-006 R.3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



APPENDIX D

NMOCD Correspondence



RE: Sampling Variance Request-Denied - Pure Gold A #8 Battery - nAPP2220161298

From Georgiana McSwane <gmcswane@ensolum.com>
Date Fri 2024-09-06 9:12 AM
To Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Ok. Thank you for your time.



Georgiana McSwane

Project Manager
254-459-2338
Ensolum, LLC
in f

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, September 4, 2024 2:48 PM
To: Georgiana McSwane <gmcswane@ensolum.com>
Cc: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Subject: FW: Sampling Variance Request-Denied - Pure Gold A #8 Battery - nAPP2220161298

[**EXTERNAL EMAIL**]

Georgiana,

I should be a little more specific on this. This type of notification only applies to final confirmation samples and not delineation samples.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Hamlet, Robert, EMNRD
Sent: Wednesday, September 4, 2024 1:30 PM
To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>; gmcswane@ensolum.com
Subject: Sampling Variance Request-Denied - Pure Gold A #8 Battery - nAPP2220161298

Georgiana,

Both OXY and Ensolum have been warned multiple times recently that this type of variance will no longer be approved. The variance of the 48-hr sampling notification is Denied. Please give at least 2 business day notification for any sampling event. Please include this e-mail correspondence in the remediation and/or closure report.

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From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Wednesday, September 4, 2024 9:33 AM
To: gmcswane@ensolum.com
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Sampling Variance Request - Pure Gold A #8 Battery - nAPP2220161298

Good morning, Ms. McSwane

Thank you for submitting the variance request below for the Pure Gold A#8 Battery incident. It is currently under review and a determination on the request will be give once it has been reviewed.

Thank you,

From: Georgiana McSwane <gmcswane@ensolum.com>
Sent: Wednesday, September 4, 2024 8:35 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Sampling Variance Request - Pure Gold A #8 Battery - nAPP2220161298

You don't often get email from gmcswane@ensolum.com. [Learn why this is important](#)

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

Good Morning,

Oxy is requesting a variance of the 48-hr sampling notification (C-141N) requirements for 6 samples collected at the Pure Gold A #8 Battery (Incident Number nAPP2220161298). Due to last minute staff availability, 6 lateral delineation samples (surrounding the release extent) were collected on Friday August 30th, 2024 at a depth of 0.5 bgs. However, a sampling notification was not submitted for August 30th, 2024. Pending analytical results meeting the applicable Closure Criteria, Oxy requests to present these samples in a closure report.

Following approval of the variance, a C-141N will be submitted via the portal and the correspondence will be included in the final report.

Thank you for your time!



Georgiana McSwane

Project Manager

254-459-2338

Ensolum, LLC

in f 

Sante Fe Main Office
Phone: (505) 476-3441

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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 415789

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2220161298
Incident Name	NAPP2220161298 PURE GOLD A FEDERAL #8 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2126656775] PURE GOLD A #8 BATTERY

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PURE GOLD A FEDERAL #8 BATTERY
Date Release Discovered	07/17/2022
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 25 BBL Recovered: 0 BBL Lost: 25 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 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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.

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 06/04/2024
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QUESTIONS, Page 3

Action 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (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	Between 1 and 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.

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

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1840
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	78.9
GRO+DRO (EPA SW-846 Method 8015M)	52.5
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	07/01/2024
On what date will (or did) the final sampling or liner inspection occur	11/07/2024
On what date will (or was) the remediation complete(d)	11/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	600
What is the estimated volume (in cubic yards) that will be reclaimed	120
What is the estimated surface area (in square feet) that will be remediated	600
What is the estimated volume (in cubic yards) that will be remediated	120

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.

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.

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QUESTIONS, Page 4

Action 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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

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 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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/30/2024
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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.

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Action 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<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 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	398708
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/07/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	11080

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	600
What was the total volume (cubic yards) remediated	120
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	600
What was the total volume (in cubic yards) reclaimed	120
Summarize any additional remediation activities not included by answers (above)	N/A

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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/30/2024
--	---

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QUESTIONS, Page 7

Action 415789

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 415789

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	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.	1/3/2025
crystal.walker	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.	1/3/2025