Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS GP, LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

August 15, 2024

Submitted online via OCD E-Permitting:
https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/default.aspx

REVIEWED
By Mike Buchanan at 1:32 pm, Nov 20, 2024

Mr. Michael Buchannon
New Mexico Energy, Minerals & Natural Resources Department – Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: ***2023 Groundwater Monitoring Report*** (Ensolum, April 18, 2024)
Enterprise Field Services, LLC
Trunk 6C Pipeline - Kutz Wash Release (09/22/11)
San Juan County, New Mexico [SW ¼, S26 T28N R11W (36.63202° N, 107.97400° W)]
OCD RP: 3R-438; OCD Abatement Plan No. 131; Incident No. NJK1201237146

Dear Mr. Buchannon:

Enterprise Products Operating LLC (Enterprise), on behalf of Enterprise Field Services, LLC, is pleased to submit to the New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) an electronic copy of the above referenced report prepared by Ensolum, LLC (Ensolum) and dated April 18, 2024. The report is associated with the September 22, 2011 discovery of a release of natural gas condensate from the Enterprise Trunk 6C pipeline located near the Kutz Wash, in San Juan County, New Mexico (hereinafter referred to as "the Site"). The activities detailed in the attached report document groundwater monitoring and sampling (GWM&S) events that occurred between January 1, 2023, and December 31, 2023 (the "reporting period").

Data presented in the attached report indicates that COC concentrations in excess of the applicable Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs) remain at the Site in one monitoring well (MW-1). The DPH plume (MW-1) is currently delineated by monitor wells MW-2, MW-4, MW-6, and MW-11.

Based on the information presented in the attached report, Enterprise plans to: 1) continue conducting semi-annual GWM&S events; 2) prepare a Stage 2 Abatement Plan (once the *Stage 1 Abatement Plan* has been fully implemented); 3) evaluate the removal of potentially residual impacted soils to expedite natural attenuation with EMNRD OCD approval; and, 4) evaluate replacement of monitoring well MW-12 as requested by the EMNRD OCD.

Enterprise appreciates the New Mexico EMNRD OCD's continued assistance in bringing this Site to closure. Should you have any questions, comments, concerns, or require additional information, please contact Scott Drewry via email (sdrewry@eprod.com) or phone (713-381-5696), or our project consultant Kyle Summers (ksummers@ensolum.com) with Ensolum.

Sincerely,

Jon E. Fields
Director, Environmental

cc: BLM, Farmington, NM – Mr. J. Nolan Craun <6251 College Blvd., Suite A, Farmington, NM 87402>
ec: Ensolum – Mr. Kyle Summers <ksummers@ensolum.com>

P.O. Box 4324
Houston, Texas 77210-4324
713.381.6500

1100 Louisiana Street
Houston, Texas 77002-5227
www.epplp.com

ENSOLUM

2023 GROUNDWATER MONITORING REPORT

Property:

Trunk 6C Kutz Wash Pipeline Release (2011)
Unit Letter K, S26 T28N R11W
San Juan County, New Mexico

New Mexico EMNRD OCD RP No. 3RP-438
Abatement Plan No. 131
Incident ID No. NJK1201237146

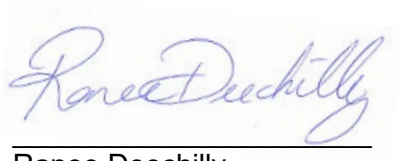
April 18, 2024

Ensolum Project No. 05A1226011

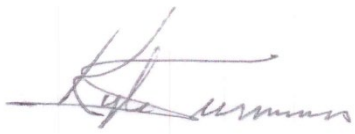
Prepared for:

Enterprise Field Services, LLC
P.O. Box 4324
Houston, Texas 77210-4324

Prepared by:



Ranee Deechilly
Project Manager



Kyle Summers
Senior Managing Geologist

Executive Summary

This report documents the 2023 groundwater monitoring activities conducted at the Trunk 6C Kutz Wash pipeline release site, referred to hereinafter as the "Site". The Site is located within the Enterprise Field Services, LLC (Enterprise) pipeline right-of-way in Unit Letter K of Section 26, Township 28 North, Range 11 West, in San Juan County, New Mexico.

Since the discovery of a release of natural gas and associated liquids from the Trunk 6C pipeline on September 22, 2011, numerous investigation and corrective action activities have been conducted at the Site. Additionally, since September 2012, periodic groundwater monitoring has been performed at the Site. Based on analytical results, impact to soil and groundwater remains at the Site.

Groundwater monitoring events were conducted by Ensolum during June and December 2023. The primary objective of these groundwater monitoring events was to further evaluate constituent of concern (COC) concentrations in groundwater and to monitor the generally declining COC concentrations over time at the Site. Findings based on these activities are as follows:

- The groundwater flow direction at the Site is generally towards the northwest. The calculated gradient during the 2023 sampling events averaged approximately 0.007 feet per foot (ft/ft) across the Site.

- Benzene was reported at concentrations exceeding the former New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standard (GQS) of 10 micrograms per liter (µg/L) in groundwater samples collected from monitoring well MW-1 during the June and December 2023 sampling events. The groundwater samples collected from the remaining monitoring wells during the 2023 sampling events did not exhibit COC concentrations above the applicable WQCC GQSs (see footnote in report).

- The results from the groundwater sampling events completed in 2023 at the Site generally continue to demonstrate stable COC concentrations in groundwater.

Ensolum offers the following recommendations:

- Report the groundwater monitoring data to the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD).

- Continue semi-annual groundwater monitoring at the Site.

- After the Stage 1 Abatement Plan has been fully implemented, prepare a Stage 2 Abatement Plan. Evaluate the removal of residual impacted soils to expedite natural attenuation with EMNRD OCD approval.

- Replace monitoring well MW-12 to assess COC concentrations in soil and groundwater as requested by the EMNRD OCD.

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LIST OF APPENDICES

1.0 INTRODUCTION

This report describes the 2023 groundwater monitoring activities conducted at the Trunk 6C Kutz Wash Pipeline Release (2011) site, referred to hereinafter as the "Site".

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Trunk 6C Kutz Wash Pipeline Release (2011)
NM EMNRD OCD Incident ID No.	NJK1201237146
Location:	36.63202° North, 107.97400° West Unit Letter K, Section 26, Township 28 North, Range 11 West San Juan County, New Mexico
Property:	United States (U.S.) Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 22, 2011, a release of an unknown volume of natural gas and associated liquids from the Trunk 6C pipeline was discovered at the Site. The pipeline was subsequently repaired. Animas Environmental Services, LLC (AES) collected one soil sample from the floor of the repair excavation. Based on field screening results, the soil sample exhibited elevated levels of volatile organic compounds (VOCs). A site assessment was conducted by AES on October 11, 2011. The assessment included the collection of soil samples from four test holes (TP-1 through TP-4) that were advanced near the release area and groundwater samples from two of the test holes. Based on laboratory analytical results, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and total petroleum hydrocarbons (TPH) were identified in soil samples collected from two of the test holes (TP-1 and TP-2) at concentrations above the New Mexico EMNRD OCD closure criteria. The test hole water samples collected from TP-2 and TP-4 exhibited concentrations of BTEX above New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs). Additional details regarding the initial site assessment activities are provided in the *Release Assessment Report* (AES, October 28, 2011).

During November 2011, AES advanced eight soil borings (SB-1 through SB-8) at the Site to further delineate the extent of hydrocarbon affected soil and impacted groundwater. Laboratory analytical results for the soil and groundwater samples collected from the soil borings identified constituent of concern (COC) concentrations in soil above the New Mexico EMNRD OCD closure criteria (SB-2, SB-7, and SB-8) and in groundwater above the WQCC GQSs (SB-2W, SB-3W, and SB-7W) (*Site Investigation Report*, AES, February 20, 2012).

During September 2012, nine additional soil borings were advanced at the Site by AES to further evaluate the extent of dissolved phase COCs in groundwater. The soil borings were then completed as groundwater monitoring wells (MW-1 through MW-9). Laboratory analytical results for soil samples did not indicate concentrations of COCs above the New Mexico EMNRD OCD closure criteria. However, COCs were confirmed in groundwater above the WQCC GQSs (*Groundwater Investigation Report*, AES, October 31, 2012).

On October 16, 2013, AES advanced four additional soil borings/monitoring wells (MW-10 through MW-13) to further evaluate the extent of COCs in groundwater. Laboratory analytical results indicated COC concentrations in soil and groundwater from soil boring/monitoring well MW-10 were present at levels above the New Mexico EMNRD OCD closure criteria and the WQCC GQSs (*3rd Quarter 2013 Groundwater Monitoring and Well Installation Report*, AES, December 10, 2013,

and *4th Quarter 2013 Groundwater Monitoring and Continued Investigation Report*, AES, July 23, 2014).

During September 2016, Enterprise retained Apex TITAN, Inc., (Apex) to perform environmental site investigation activities at the Site to further evaluate and delineate COCs in soil and groundwater. Five soil borings were advanced and three of the soil borings were completed as groundwater monitoring wells (MW-14, MW-15, and MW-17). Laboratory analytical results indicated COC concentrations in soil (MW-15 (capillary fringe), MW-17, and SB-18A (capillary fringe)) and groundwater (MW-17) were above the New Mexico EMNRD OCD closure criteria and the WQCC GQSs (*Supplemental Environmental Site Investigation (September 2016) and Annual Groundwater Monitoring Report (June and December 2016)*, Apex, February 13, 2017).

During February 2019, Enterprise assigned management of the project to Ensolum, LLC (Ensolum).

On May 23, 2019, Enterprise submitted a revised Stage 1 Abatement Plan for this Site to the New Mexico EMNRD OCD. The plan proposed that semi-annual groundwater monitoring continue, and that additional Site-specific aquifer testing be implemented prior to the submittal of a Stage 2 Abatement Plan (*Revised Trunk 6C Kutz Wash Pipeline Release Stage 1 Abatement Plan*, Ensolum, May 22, 2019). The New Mexico EMNRD OCD approved the plan on January 25, 2024.

Groundwater monitoring activities performed between 2019 and 2023 are documented in the following reports:

- *2019 Groundwater Monitoring Report*, Ensolum, August 10, 2020
- *2020 Groundwater Monitoring Report*, Ensolum, March 19, 2021
- *2021 Groundwater Monitoring Report*, Ensolum, March 25, 2022
- *2022 Groundwater Monitoring Report*, Ensolum, March 22, 2023

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to oil and gas releases, the New Mexico EMNRD OCD references 19.15.29 New Mexico Administrative Code (NMAC) (*Releases*), which establishes investigation and abatement action requirements for sites that are subject to reporting and/or corrective action. Additionally, the New Mexico EMNRD OCD utilizes the New Mexico WQCC GQS identified in 20.6.2 NMAC (*Ground and Surface Water Protection*) to evaluate groundwater conditions.[1]

The Site location is depicted on **Figure 1** of **Appendix A** which was reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map. A **Site Vicinity Map**, created from an aerial photograph, is provided as **Figure 2**, and a **Site Map**, which indicates the approximate locations of the monitoring wells, the extent of the former excavation, excavation sample locations, and previous soil boring locations in relation to pertinent structures and general Site boundaries, is included as **Figure 3** of **Appendix A**.

1.2 Project Objective

The objective of the groundwater monitoring events was to further evaluate the concentrations of COCs in groundwater and monitor the generally declining COC concentrations over time at the Site.

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

2.0 GROUNDWATER MONITORING

Ensolum conducted groundwater sampling events during June and December 2023. The groundwater sampling program consisted of the collection of one groundwater sample from each of the viable monitoring wells at the Site. Monitoring well MW-12 was not sampled during either sampling event due to an obstructed well screen/casing. On December 28, 2021, the New Mexico EMNRD OCD approved the suspension of sampling monitoring wells MW-3 through MW-11, and MW-13 through MW-15. However, the EMNRD OCD's email was not clear if an alternate sampling schedule was required. Therefore, Enterprise decided to perform one semi-annual sampling event (June 2023) consisting of only the three monitoring wells (MW-1, MW-2, and MW-17) and one semi-annual sampling event including all monitoring wells. The New Mexico EMNRD OCD was notified of the sampling events although no representative was present during the sampling activities. Regulatory correspondence is provided in **Appendix B**.

Ensolum's groundwater sampling program consisted of the following:

- Prior to sample collection, Ensolum gauged the depth to fluids in each monitoring well using an interface probe capable of detecting non-aqueous phase liquid (NAPL).

- Each designated monitoring well was sampled utilizing micro-purge low-flow sampling techniques. Following the completion of the micro-purge process, the groundwater sample was collected. The casings of monitoring wells MW-10, MW-11, and MW-13 are approximately one inch in diameter, which prevents the use of the bladder pump for sampling. Therefore, these monitoring wells were purged until effectively dry utilizing a disposable bailer. Subsequent to the completion of the purging process and the recovery of groundwater to near static levels, groundwater samples were collected from each of the monitoring wells.

- Low-flow or low-stress sampling refers to sampling methods that are intended to minimize the stress that is imparted to the formation pore water in the vicinity of the well screen. Water level drawdown provides the best indication of the stress that is imparted by a given flow rate for a given hydrological situation. Pumping rates of 0.1 to 0.5 liters per minute (L/min) are typically maintained during the low-flow/low-stress sampling activities, using dedicated or decontaminated sampling equipment.

- During low-flow sampling, the groundwater samples are collected from each monitoring well once produced groundwater is consistent in color, clarity, pH, temperature, and conductivity. Measurements are typically observed every three to five minutes while purging. Purging is considered complete once key parameters (especially pH and conductivity) have stabilized for at least three consecutive readings.

- Groundwater samples were collected in laboratory-supplied containers (pre-preserved with mercuric chloride ($HgCl_2$)), labeled, and sealed using the laboratory supplied labels and custody seals, and stored on ice in a cooler. The groundwater samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) (formerly Hall Environmental Analysis Laboratory) of Albuquerque, New Mexico under proper chain-of-custody procedures.

2.1 Groundwater Laboratory Analytical Methods

The groundwater samples collected from the monitoring wells during the 2023 sampling events were analyzed for BTEX utilizing U.S. Environmental Protection Agency (EPA) SW-846 Method #8021.

A summary of the analytes, sample matrix, sample frequency and U.S. EPA-approved analytical methods are presented in the following table.

Analyte	Sample Type	No. of Samples (Jun/Dec)	Method
BTEX	Groundwater	3/15	SW-846 8021

The laboratory analytical results are summarized in **Table 1** in **Appendix C**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix D**.

2.2 Groundwater Flow Direction

The groundwater flow direction at the Site is generally towards the northwest. The calculated gradient during the 2023 monitoring events averaged approximately 0.007 feet per foot (ft/ft) across the Site. Groundwater elevation data collected during the 2023 gauging events are presented in **Table 2** (**Appendix C**). Groundwater gradient maps for the 2023 gauging events are included as **Figure 4A** and **Figure 4B** (**Appendix A**).

2.3 Groundwater Data Evaluation

Ensolum compared the BTEX laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the groundwater samples collected from monitoring wells during the 2023 groundwater sampling events to the New Mexico WQCC GQSs.[1] The results of the analyses are summarized in **Table 1** of **Appendix C**. Groundwater Quality Standard Exceedance Zone maps are provided as **Figure 5A** and **Figure 5B** of **Appendix A**.

June 2023

- The June 2023 analytical result for monitoring well MW-1 indicates a benzene concentration of 140 micrograms per liter (µg/L), which exceeds the WQCC GQS of 10 µg/L.[1] The analytical result for monitoring well MW-17 indicates a benzene concentration of 3.3 µg/L, which is below the WQCC GQS of 10 µg/L.[1] The analytical result for monitoring well MW-2 did not indicate a benzene concentration above the laboratory PQL/RL, which is below the WQCC GQS of 10 µg/L.[1]

- The June 2023 analytical results for the sampled monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The June 2023 analytical result for monitoring well MW-1 indicates an ethylbenzene concentration of 28 µg/L, which is below the WQCC GQS of 750 µg/L.[1] The analytical results for the remaining sampled monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The June 2023 analytical result for monitoring well MW-1 indicates a total xylenes concentration of 82 µg/L, which is below the WQCC GQS of 620 µg/L.[1] The analytical results for the remaining sampled monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.[1]

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

- No data qualifier flags are associated with the June 2023 analytical results.

December 2023

- The December 2023 analytical result for monitoring well MW-1 indicates a benzene concentration of 140 µg/L, which exceeds the WQCC GQS of 10 µg/L.[1] The analytical results for monitoring wells MW-15 and MW-17 indicate benzene concentrations of 2.1 µg/L and 3.9 µg/L, respectively, which are below the WQCC GQS of 10 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 10 µg/L.[1]

- The December 2023 analytical result for monitoring well MW-1 indicates a toluene concentration of 9.1 µg/L, which is below the WQCC GQS of 750 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The December 2023 analytical results for monitoring wells MW-1 and MW-6 indicate ethylbenzene concentrations of 39 µg/L and 7.8 µg/L, which are below the WQCC GQS of 750 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 750 µg/L.[1]

- The December 2023 analytical results for monitoring wells MW-1, MW-6, and MW-15 indicate total xylenes concentrations of 120 µg/L, 24 µg/L, and 2.6 µg/L, respectively, which are below the WQCC GQS of 620 µg/L.[1] The analytical results for the remaining monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.[1]

- No data qualifier flags are associated with the December 2023 analytical results.

3.0 FINDINGS

Based on the evaluation of the analytical results from the groundwater monitoring activities, Ensolum presents the following findings:

- The groundwater flow direction at the Site is generally towards the northwest. The calculated gradient during the 2023 monitoring events averaged approximately 0.007 ft/ft across the Site.

- Benzene was reported at concentrations exceeding the New Mexico WQCC GQS of 10 µg/L in groundwater samples collected from monitoring well MW-1 during the June 2023 and December 2023 sampling events.[1] The groundwater samples collected from the remaining monitoring during the two 2023 sampling events did not exhibit COC concentrations above the applicable WQCC GQSs.[1]

- The results from the groundwater sampling events completed in 2023 at the Site generally continue to demonstrate stable COC concentrations in groundwater.

[1] NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.

4.0 RECOMMENDATIONS

Based on the results of the groundwater monitoring activities, Ensolum has the following recommendations:

- Report the groundwater monitoring data to the New Mexico EMNRD OCD.
- Continue semi-annual groundwater monitoring at the Site.
- After the Stage 1 Abatement Plan has been fully implemented, prepare a Stage 2 Abatement Plan. Evaluate the removal of residual impacted soils to expedite natural attenuation with EMNRD OCD approval.
- Replace monitoring well MW-12 to assess COC concentrations in soil and groundwater as requested by the EMNRD OCD.

5.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

5.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

5.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

5.3 Reliance

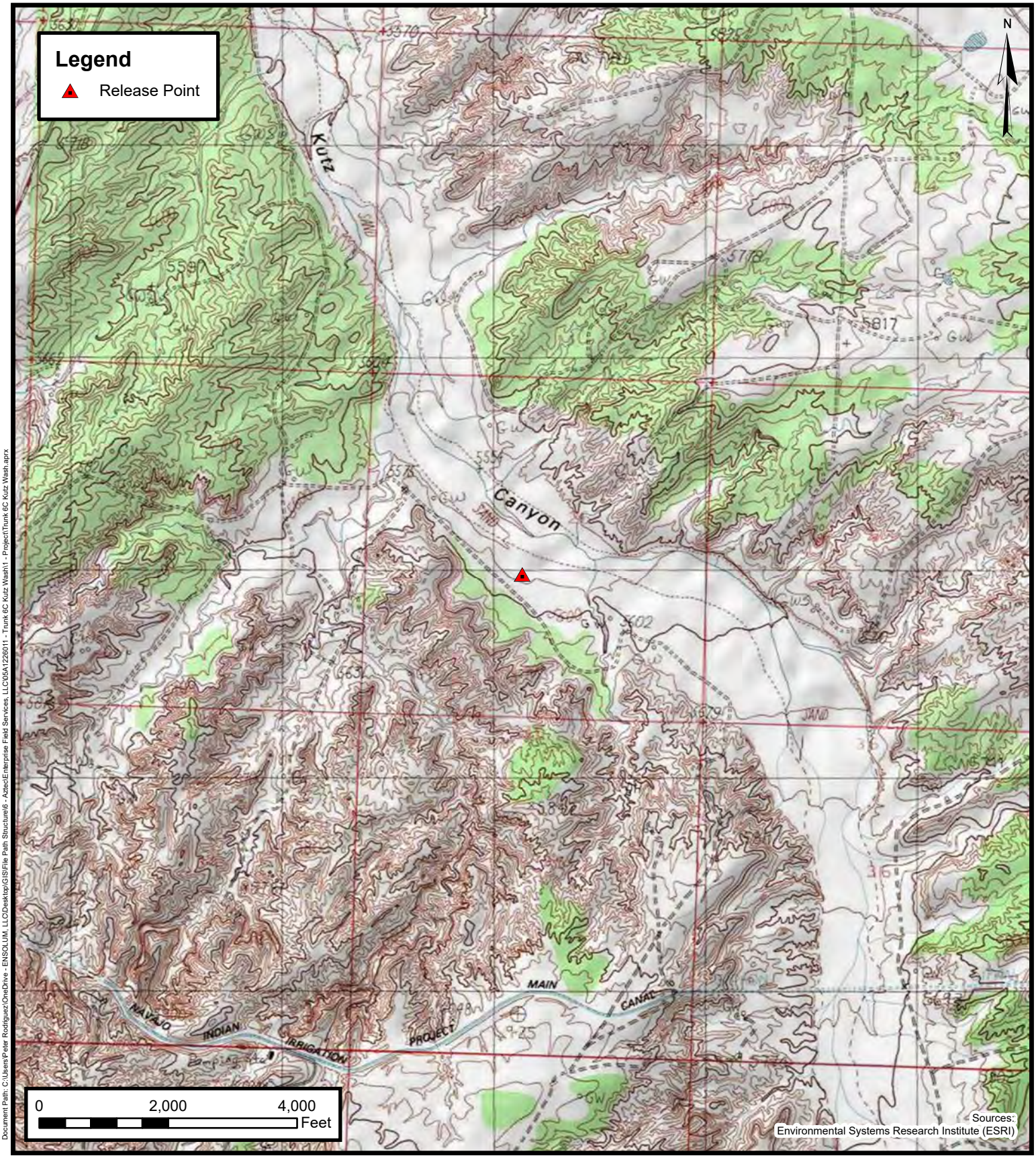
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

ENSOLUM

Review of the 2023 Groundwater Monitoring Report for Trunk 6C Kutz Wash Pipeline Release: content satisfactory
1. Continue to conduct semi-annual groundwater monitoring at the site as prescribed.
2. Please prepare to submit a stage 2 abatement plan within sixty (90) days from the date of this approval (02/17/2025) with the development and assessment of options for abatement as per 19.15.30.13 paragraph (D).
3. Replace monitoring well (MW-12) to assess COC concentrations in soil and groundwater as requested by NMOCD.
4. Submit the 2024 annual groundwater monitoring report no later than April 1, 2025.

APPENDIX A

Figures



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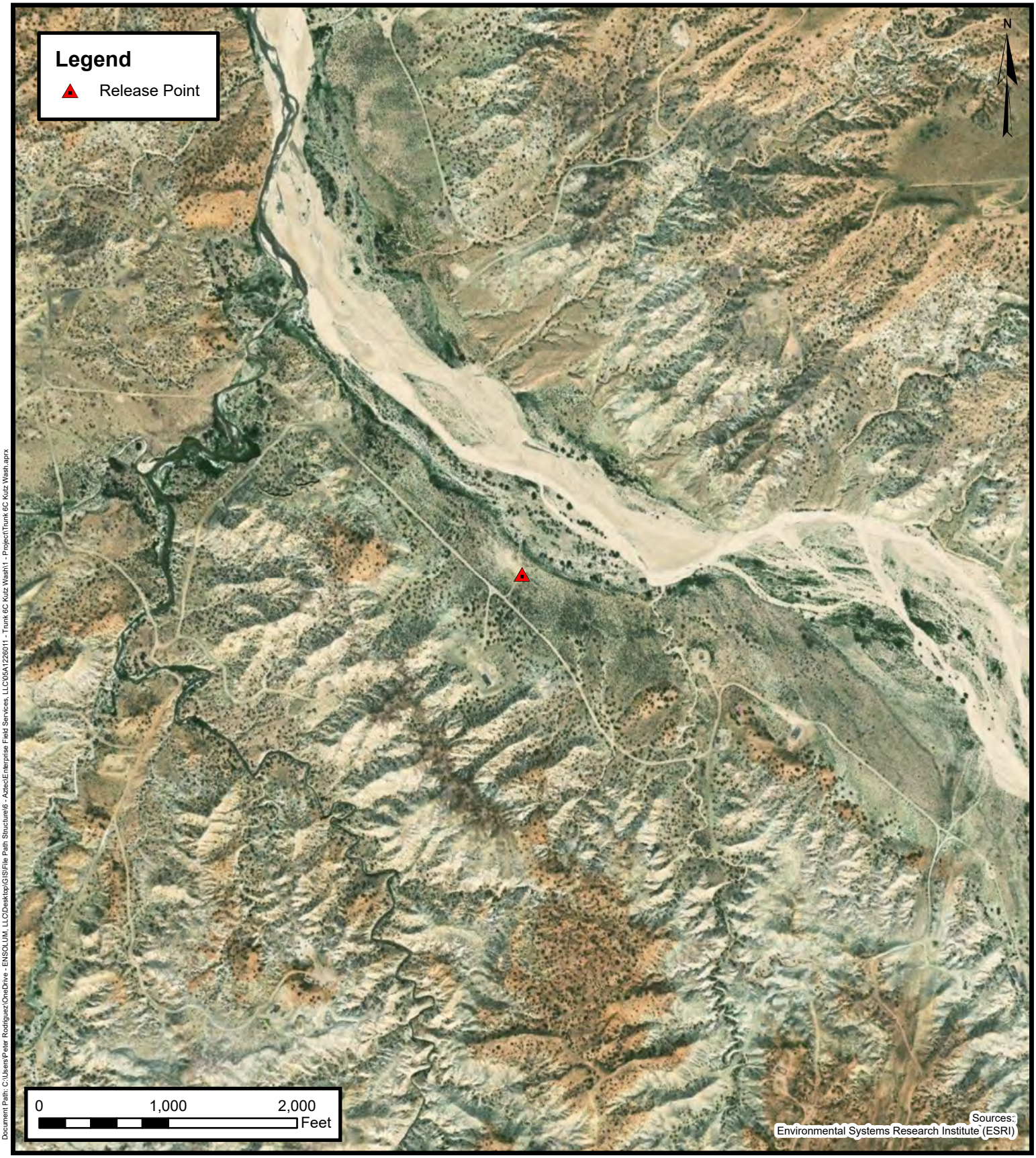
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE

1



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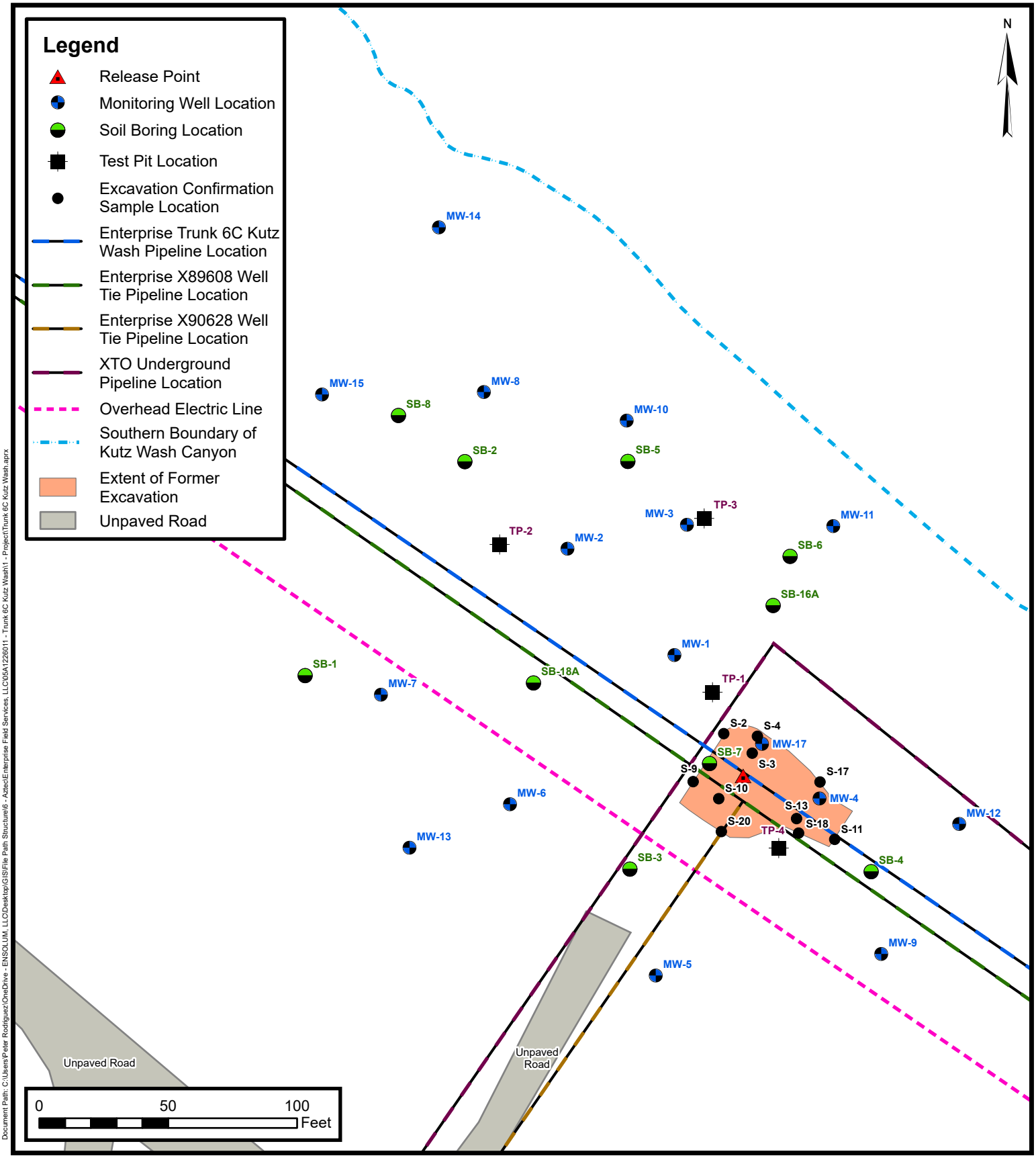
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE
2



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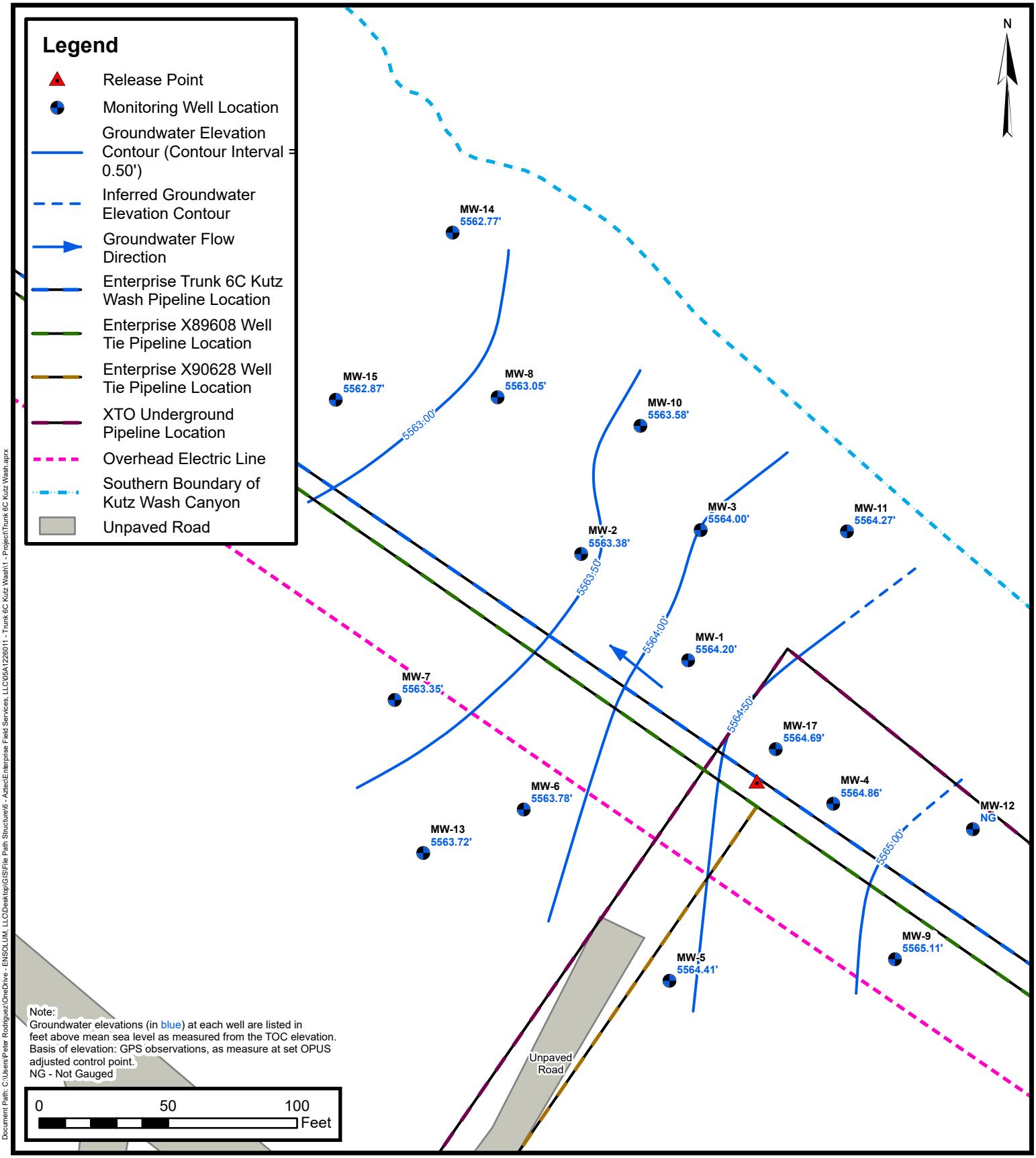
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Map

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE
3



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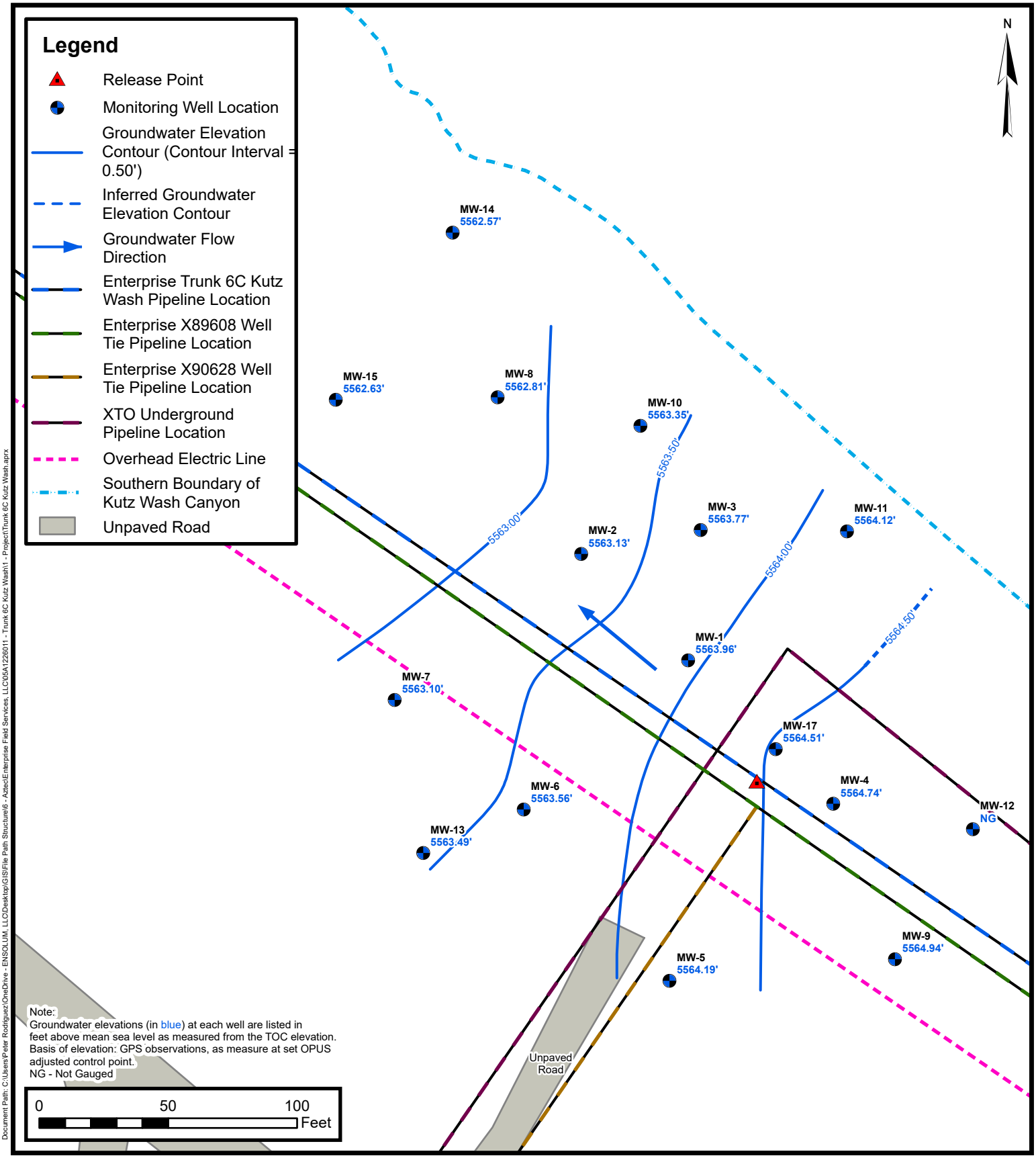
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Gradient Map (June 2023)

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE
4A



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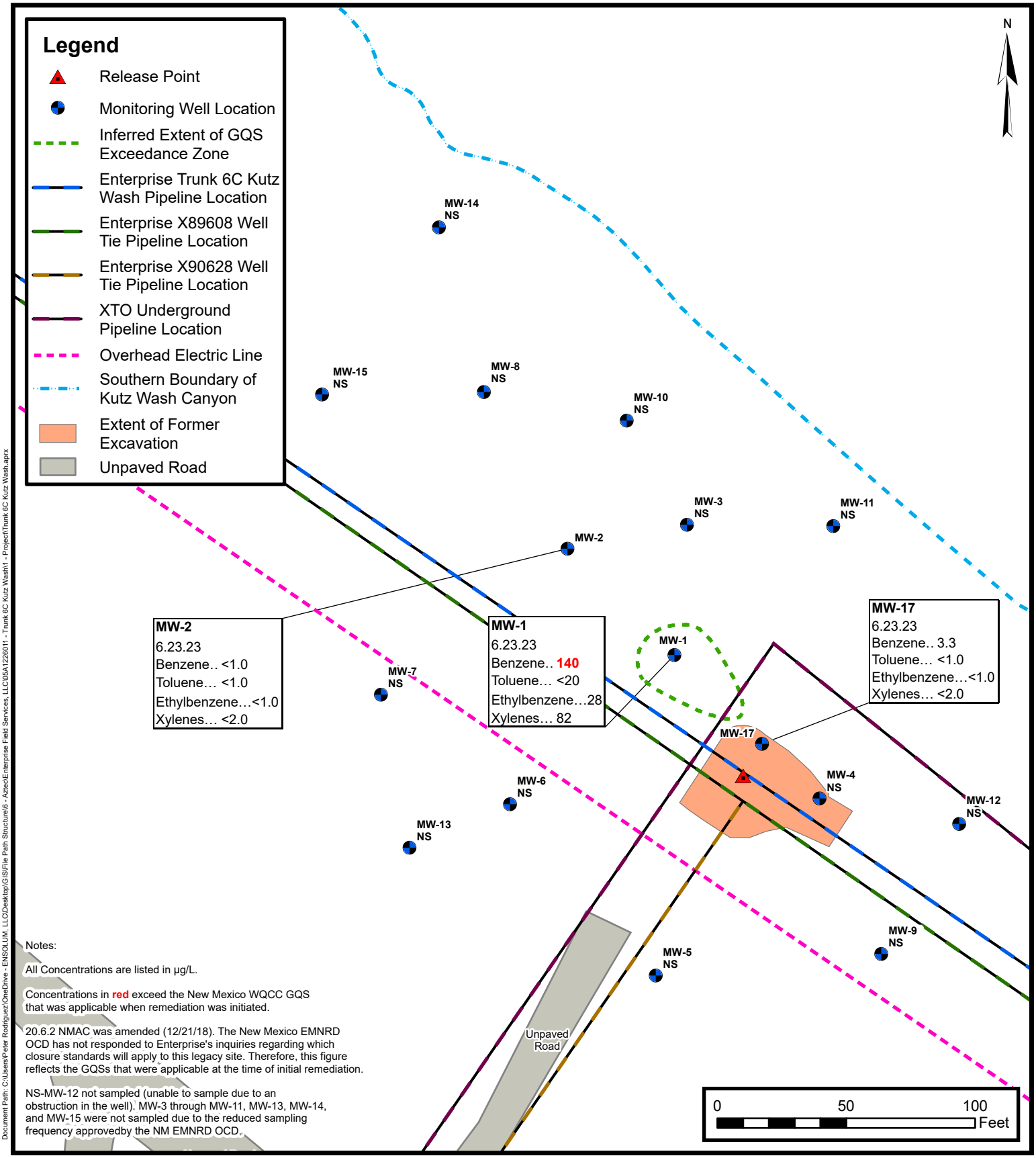
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Gradient Map (December 2023)

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE
4B



Notes:

All Concentrations are listed in µg/L.

Concentrations in **red** exceed the New Mexico WQCC GQS that was applicable when remediation was initiated.

20.6.2 NMAC was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site. Therefore, this figure reflects the GQSs that were applicable at the time of initial remediation.

NS-MW-12 not sampled (unable to sample due to an obstruction in the well). MW-3 through MW-11, MW-13, MW-14, and MW-15 were not sampled due to the reduced sampling frequency approvedby the NM EMNRD OCD.

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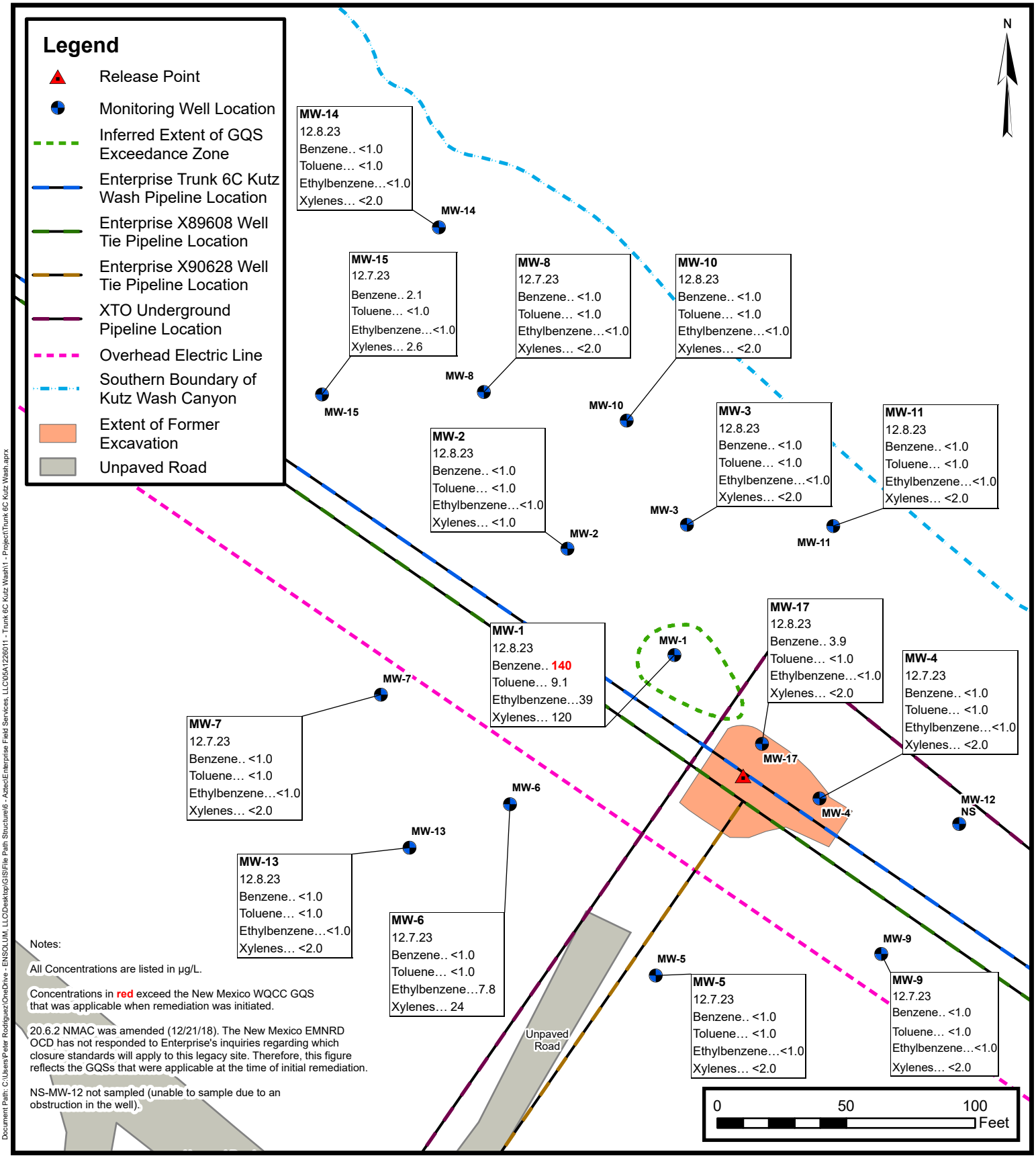
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Quality Standard (GQS) Exceedance Zone Map (June 2023)

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE

5A



Notes:

All Concentrations are listed in µg/L.

Concentrations in **red** exceed the New Mexico WQCC GQS that was applicable when remediation was initiated.

20.6.2 NMAC was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site. Therefore, this figure reflects the GQSs that were applicable at the time of initial remediation.

NS-MW-12 not sampled (unable to sample due to an obstruction in the well).

Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226011 - Trunk 6C Kutz Wash\1 - Project\Trunk 6C Kutz Wash.aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Quality Standard (GQS) Exceedance Zone Map (December 2023)

Enterprise Field Services, LLC
Trunk 6C Kutz Wash
Project Number: 05A1226011
Unit Letter K, S26 T28N R11W, San Juan County, New Mexico
36.63202, -107.97400

FIGURE

5B

ENSOLUM

APPENDIX B

Regulatory Correspondence

From: Kyle Summers
To: Landon Daniell; Ranee Deechilly
Subject: FW: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146
Date: Friday, December 1, 2023 9:17:19 AM
Attachments: Outlook-5eqslf4x.png
image004.png
image005.png
image006.png

Kyle Summers
Principal
903-821-5603
Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, December 1, 2023 8:46 AM
To: Long, Thomas <tjlong@eprod.com>; Craun, James N <jcraun@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Drewry, Scott <sdrewry@eprod.com>
Subject: Re: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

[**EXTERNAL EMAIL**]

Good morning Tom,

Thank you for the notice.

If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Friday, December 1, 2023 8:39 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Craun, James N <jcraun@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Drewry, Scott <sdrewry@eprod.com>
Subject: FW: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

Nelson/James,

This email is a notification that Enterprise will be conducting groundwater sampling at the Trunk 6C release site on December 7, 2023. Sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Long, Thomas
Sent: Tuesday, June 20, 2023 9:05 AM
To: 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Miller, Greg <GEMiller@eprod.com>
Subject: FW: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

Nelson/Emmanuel,

This email is a notification that Enterprise will be conducting groundwater sampling at the Trunk 6C release site on June 23, 2023. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, November 30, 2022 7:38 AM
To: Long, Thomas <tjlong@eprod.com>; Ryan Joyner <rjoyner@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Miller, Greg <GEMiller@eprod.com>
Subject: RE: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

[Use caution with links/attachments]
Tom,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov *NOTE NEW EMAIL ADDRESS*
http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, November 30, 2022 7:36 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Ryan Joyner <rjoyner@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Miller, Greg <GEMiller@eprod.com>
Subject: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

Nelson/Ryan,

This email is a notification the Enterprise has scheduled groundwater monitoring and sampling at the Trunk 6C release site to begin December 6, 2022. The field work is anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Friday, June 10, 2022 9:49 AM
To: Stone, Brian <bmstone@eprod.com>
Cc: Kyle Summers <ksummers@ensolum.com>; Long, Thomas <tjlong@eprod.com>
Subject: RE: [EXTERNAL] Trunk 6C Kutz Wash Pipeline Release NJK1201237146

[Use caution with links/attachments]
Brian,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, notifications for sampling or drilling event(s), and request for time extension(s) or variance(s).

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Stone, Brian <bmstone@eprod.com>
Sent: Thursday, June 9, 2022 4:05 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Kyle Summers <ksummers@ensolum.com>; Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] Trunk 6C Kutz Wash Pipeline Release NJK1201237146

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

Nelson,

This email is a notification that Enterprise has scheduled groundwater monitoring and sampling activities for the Trunk 6C Kutz Wash Pipeline Release NJK1201237146 site on Wednesday, June 15, 2022 at 8:00 a.m. Sampling activities are anticipated to be completed in one day. If you have any questions, please call or email. Please note that Tom Long is out of the office and will return June 20.

Brian Stone
Field Environmental Manager
Enterprise Products
(970) 210-2170

ENSOLUM

APPENDIX C

Tables

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-1	9.7.12	**2,200**	350	68	**650**
	12.20.12	**1,100**	250	37	180
	3.20.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	6.19.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	9.17.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	12.16.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	3.14.15	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	9.9.15	**1,900**	440	54	400
	6.15.15	**6,900**	**2,700**	170	**1,400**
	12.7.15	**3,900**	**1,400**	120	**870**
	6.2.16	**1,400**	**850**	41	330
	12.20.16	**76**	59	2.5	23
	6.28.17	**3,500**	**4,200**	180	**1,800**
	1.10.18	**1,300**	710	59	350
	6.22.18	**3,800**	**2,400**	140	**740**
	12.14.18	**590**	400	33	99
	8.21.19	**800**	510	46	150
	1.13.20	**940**	540	61	190
	6.4.20	**1,400**	740	95	270
	11.24.20	**730**	290	61	180
	6.24.21	**750**	540	72	230
	12.14.21	**430**	100	59	170
	6.15.22	**230**	7.4	35	86
	12.7.22	**400**	30	64	160
	6.23.23	**140**	<20	28	82
	12.8.23	**140**	9.1	39	120

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-2	9.7.12	**270**	**1,100**	66	**1,800**
	12.20.12	**26**	49	5.1	250
	3.20.13	<5.0	<5.0	<5.0	67
	6.19.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	9.17.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	9.17.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	12.16.13	**NAPL**	**NAPL**	**NAPL**	**NAPL**
	3.14.14	**1,200**	**1,600**	74	**660**
	9.9.14	**78**	76	2.9	110
	6.15.15	<1.0	1.1	<1.0	44
	12.7.15	<1.0	<1.0	<1.0	13
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	6.15.22	<1.0	<1.0	<1.0	<2.0
	12.7.22	<1.0	<1.0	<1.0	<1.5
	6.23.23	<1.0	<1.0	<1.0	<2.0
	12.8.23	<1.0	<1.0	<1.0	<2.0

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-3	9.7.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.20.13	<2.0	<2.0	<2.0	<4.0
	6.19.13	**780**	130	2.5	15
	9.18.13	**150**	28	<5.0	15
	12.16.13	**660**	340	16	130
	3.14.14	**200**	86	4.0	49
	9.9.14	2.5	1.7	<1.0	3.3
	6.12.15	1.3	<1.0	<1.0	2.2
	12.7.15	<1.0	<1.0	<1.0	<2.0
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.28.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<1.5
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.8.23	<1.0	<1.0	<1.0	<2.0

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-4	9.7.12	**18**	5.1	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.20.13	**290**	110	<2.0	15
	6.19.13	**600**	45	<10	<20
	9.18.13	**830**	39	<20	<30
	12.16.13	**300**	110	10	63
	3.14.14	4.0	<1.0	<1.0	<3.0
	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.11.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.28.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.13.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<1.5
	6.24.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.7.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-5	9.7.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.21.13	1.9	<1.0	3.8	9.7
	3.20.13	<2.0	<2.0	<2.0	<4.0
	6.19.13	<1.0	<1.0	<1.0	<2.0
	9.17.13	<1.0	<1.0	<1.0	<1.5
	12.16.13	2.1	4.7	4.0	17
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<1.0	<1.0	<1.0	<2.0
	6.12.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.13.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.24.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.7.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-6	9.7.12	<5.0	<5.0	260	**2,200**
	12.20.12	<5.0	<5.0	180	**1,200**
	3.20.13	<5.0	<5.0	120	**800**
	6.19.13	9.6	6.2	150	**1,100**
	9.18.13	<5.0	<5.0	180	**1,200**
	12.16.13	<5.0	<5.0	140	**990**
	3.14.14	<1.0	<1.0	150	**990**
	9.9.14	<5.0	<5.0	49	400
	6.12.15	<5.0	<5.0	89	590
	12.4.15	<2.5	<5.0	41	210
	6.2.16	<1.0	<1.0	16	70
	12.19.16	<1.0	<1.0	26	80
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	3.6	12
	6.21.18	<1.0	<1.0	2.1	5.9
	12.13.18	<1.0	<1.0	2.7	9.8
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.5.20	<1.0	<1.0	5.1	17
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.24.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	1.2	8.0
	6.15.22[B]	NS	NS	NS	NS
	12.7.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	7.8	24

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-7	9.7.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	2.4
	3.20.13	<2.0	<2.0	<2.0	<4.0
	6.19.13	<1.0	<1.0	<1.0	<2.0
	9.17.13	3.9	<1.0	1.4	5.7
	9.17.13	<1.0	<1.0	<1.0	<1.5
	12.16.13	1.6	3.9	3.6	16
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<1.0	<1.0	<1.0	<2.0
	6.12.15	<1.0	<1.0	<1.0	<2.0
	12.7.15	<1.0	<1.0	<1.0	<2.0
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.13.18	<1.0	<1.0	<1.0	<2.0
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.5.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0

ENSOLUM

TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-8	9.7.12	**41**	40	3.8	320
	12.20.12	<2.0	<2.0	<2.0	20
	3.20.13	**41**	36	<2.0	89
	6.19.13	**21**	12	<1.0	6.8
	9.18.13	<1.0	<1.0	3.4	27
	12.16.13	**18**	21	5.1	74
	3.14.14	**66**	190	10	210
	9.9.14	**NAPL****	**NAPL****	**NAPL****	**NAPL****
	6.15.15	<1.0	<1.0	<1.0	10
	12.7.15	1.3	<1.0	<1.0	53
	6.2.16	4.0	1.6	<1.0	5.1
	12.19.16	<1.0	<1.0	<1.0	2.1
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.5.20	<1.0	<1.0	<1.0	1.9
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-9	9.7.12	<2.0	2.4	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.20.13	<2.0	<2.0	<2.0	<4.0
	6.19.13	<1.0	<1.0	<1.0	<2.0
	9.17.13	<1.0	<1.0	<1.0	<1.5
	12.16.13	1.5	3.5	2.9	12
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.11.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.2.16	<1.0	<1.0	<1.0	<2.0
	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.9.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.13.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.10.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<1.5
	6.24.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.7.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-10	12.16.13	**950**	34	12	39
	3.14.14	**560**	4.0	16	27
	9.9.14	**580**	<10	34	<20
	6.15.15	**75**	<1.0	12	2.9
	12.7.15	**17**	<1.0	2.0	<2.0
	6.03.16	**16**	<1.0	<1.0	<2.0
	12.20.16	4.8	<1.0	<1.0	<1.5
	6.27.17	3.4	<1.0	<1.0	<2.0
	1.10.18	<1.0	<1.0	<1.0	<2.0
	6.22.18	5.0	<1.0	<1.0	2.7
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.13.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.8.23	<1.0	<1.0	<1.0	<2.0

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-11	12.16.13	2.6	3.5	<1.0	6
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.12.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.3.16	<1.0	<1.0	<1.0	<2.0
	12.20.16	<1.0	<1.0	<1.0	<1.5
	6.28.17	Insufficient volume of water to sample.			
	1.10.18	<1.0	<1.0	<1.0	<1.5
	6.22.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.14.20	<1.0	<1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<1.5
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.8.23	<1.0	<1.0	<1.0	<2.0

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-12	12.16.13	3.3	3.8	<1.0	6
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.12.15	Casing Obstruction			
	12.4.15	Casing Obstruction			
	6.2.16	Casing Obstruction			
	12.20.16	Casing Obstruction			
	6.27.17	Casing Obstruction			
	1.10.18	Casing Obstruction			
	6.21.18	Casing Obstruction			
	12.13.18	Casing Obstruction			
	8.22.19	Casing Obstruction			
	1.10.20	Casing Obstruction			
	6.4.20	Casing Obstruction			
	11.24.20	Casing Obstruction			
	6.24.21	Casing Obstruction			
	12.15.21	Casing Obstruction			
	6.15.22	Casing Obstruction			
	12.6.22	Casing Obstruction			
	6.23.23	Casing Obstruction			
	12.7.23	Casing Obstruction			

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-13	12.16.13	4.4	5.1	1.2	8
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.15.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.3.16	<1.0	<1.0	<1.0	<2.0
	12.20.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.10.18	<1.0	<1.0	<1.0	<2.0
	6.22.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
	8.22.19	<1.0	<1.0	<1.0	<2.0
	1.14.20	<1.0	<1.0	<1.0	<2.0
	6.5.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.8.23	<1.0	<1.0	<1.0	<2.0

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-14	9.16.16	<1.0	<1.0	<1.0	<2.0
	12.20.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.10.18	<1.0	<1.0	<1.0	<2.0
	6.22.18	<1.0	<1.0	<1.0	<1.5
	12.13.18	2.7	<1.0	<1.0	6.1
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.13.20	<1.0	<1.0	<1.0	<2.0
	6.5.20	<1.0	<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0	<1.0	<2.0
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	<1.5
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	<1.0	<1.0	<1.0	<2.0
MW-15	9.16.16	3.6	<1.0	4.1	43
	12.20.16	<1.0	<1.0	6.2	87
	6.27.17	4.1	<1.0	4.6	89
	1.10.18	4.7	<1.0	2.8	33
	6.21.18	6.5	<1.0	2.6	13
	12.13.18	1.2	<1.0	<1.0	<2.0
	8.21.19	<1.0	<1.0	<1.0	<2.0
	1.13.20	<1.0	<1.0	1.4	23
	6.5.20	<1.0	<1.0	4.7	49
	11.24.20	<1.0	<1.0	<1.0	15
	6.23.21	<1.0	<1.0	1.8	29
	12.13.21	<1.0	<1.0	<1.0	11
	6.15.22[B]	NS	NS	NS	NS
	12.6.22	<1.0	<1.0	<1.0	5.2
	6.23.23[B]	NS	NS	NS	NS
	12.7.23	2.1	<1.0	<1.0	2.6

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TABLE 1
Trunk 6C Kutz Wash
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10[A]	750[A]	750[A]	620[A]
MW-17	9.16.16	**380**	**790**	33	**1,200**
	12.20.16	**200**	100	11	310
	6.28.17	**130**	<5.0	<5.0	**950**
	1.10.18	5.2	2.2	1.2	13
	6.22.18	**29**	<1.0	2.4	<1.5
	12.14.18	**29**	<1.0	1.8	<2.0
	8.22.19	4.1	<1.0	<1.0	<2.0
	1.13.20	2.2	<1.0	<1.0	<2.0
	6.5.20	**17**	<1.0	<1.0	<1.5
	11.24.20	8.7	<1.0	<1.0	<1.5
	6.24.21	**13**	<1.0	<1.0	<1.5
	12.14.21	4.3	<1.0	<1.0	<2.0
	6.15.22	2.4	<1.0	<1.0	<2.0
	12.7.22	**36**	<1.0	<1.0	2.6
	6.23.23	3.3	<1.0	<1.0	<2.0
	12.8.23	3.9	<1.0	<1.0	<2.0

*Note: Concentrations in **bold** and yellow exceed the applicable WQCC GQS*

[A] = NMAC 20.6.2 was amended (12/21/18). The New Mexico EMNRD OCD has not responded to Enterprise's inquiries regarding which closure standards will apply to this legacy site that predates the 2018 rule change. Therefore, this table reflects the previous remediation standards.

[B] = In an email from the NM EMNRD OCD on December 28, 2021, the OCD approved the suspension of monitoring and sampling activities of monitoring wells MW-3 through MW-11, MW-13, MW-14, and MW-15.

NS = Not Sampled.

µg/L = micrograms per liter

NAPL = Non-aqueous phase liquid

*** - Field personnel recorded the presence of NAPL utilizing an interface probe, but the product was not visually verified.*

<1.0 = the numeral (in this case "1.0") identifies the laboratory RL or PQL

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-1*	9.7.12	ND	15.78	ND	27.43	12.43-27.43	5579.73	5563.95
	12.20.12	ND	15.69	ND				5564.04
	3.20.13	15.31	15.73	0.42				5564.31
	6.19.13	15.49	15.75	0.26				5564.17
	9.17.13	15.79	16.27	0.48				5563.81
	12.16.13	15.59	15.75	0.16				5564.10
	3.14.14	15.35	15.36	0.01				5564.38
	9.9.14	15.98	15.99	0.01				5563.75
	6.10.15	15.29	15.30	0.01				5564.44
	12.04.15	ND	15.81	ND				5563.92
	6.02.16	ND	15.41	ND				5564.32
	9.16.16	16.12	16.13	0.01			5579.43	5563.31
	12.19.16	ND	15.83	ND				5563.60
	6.27.17	ND	15.39	ND				5564.04
	1.09.18	ND	15.61	ND				5563.82
	6.21.18	ND	15.65	ND				5563.78
	12.13.18	ND	15.89	ND				5563.54
	8.20.19	ND	16.02	ND				5563.41
	1.07.20	ND	15.79	ND				5563.64
	6.4.20	ND	15.63	ND				5563.80
	11.24.20	ND	16.06	ND				5563.37
	6.23.21	ND	15.93	ND				5563.50
	12.13.21	ND	15.94	ND				5563.49
	6.15.22	ND	15.71	ND				5563.72
	12.6.22	ND	15.66	ND				5563.77
	6.23.23	ND	15.23	ND				5564.20
	12.7.23	ND	15.47	ND				5563.96

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-2*	9.7.12	ND	16.29	ND	25.62	10.62-25.62	5579.39	5563.10
	12.20.12	ND	16.22	ND				5563.17
	3.20.13	ND	15.97	ND				5563.42
	6.19.13	15.96	16.40	0.44				5563.31
	9.17.13	16.40	16.54	0.14				5562.95
	12.16.13	16.14	16.22	0.08				5563.23
	3.14.14	ND	15.89	ND				5563.50
	9.9.14	ND	16.50	ND				5562.89
	6.10.15	ND	15.81	ND				5563.58
	12.04.15	ND	16.32	ND				5563.07
	6.02.16	ND	15.93	ND				5563.46
	9.16.16	ND	16.61	ND			5579.15	5562.54
	12.19.16	ND	16.35	ND				5562.80
	6.27.17	ND	15.95	ND				5563.20
	1.09.18	ND	16.13	ND				5563.02
	6.21.18	ND	16.19	ND				5562.96
	12.13.18	ND	16.45	ND				5562.70
	8.20.19	ND	16.52	ND				5562.63
	1.07.20	ND	16.35	ND				5562.80
	6.4.20	ND	16.16	ND				5562.99
	11.24.20	ND	16.62	ND				5562.53
	6.23.21	ND	16.43	ND				5562.72
	12.13.21	ND	16.47	ND				5562.68
	6.15.22	ND	16.23	ND				5562.92
	12.6.22	ND	16.21	ND				5562.94
	6.23.23	ND	15.77	ND				5563.38
	12.7.23	ND	16.02	ND				5563.13

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-3*	9.7.12	ND	15.98	ND	25.57	10.57-25.57	5579.52	5563.54
	12.20.12	ND	15.79	ND				5563.73
	3.20.13	ND	15.50	ND				5564.02
	6.19.13	ND	15.66	ND				5563.86
	9.18.13	ND	15.96	ND				5563.56
	12.16.13	ND	15.70	ND				5563.82
	3.14.14	ND	15.39	ND				5564.13
	9.9.14	ND	16.10	ND				5563.42
	6.10.15	ND	15.28	ND				5564.24
	12.04.15	ND	15.87	ND				5563.65
	6.02.16	ND	15.47	ND				5564.05
	9.16.16	ND	16.24	ND			5579.24	5563.00
	12.19.16	ND	15.87	ND				5563.37
	6.27.17	ND	15.45	ND				5563.79
	1.09.18	ND	15.65	ND				5563.59
	6.21.18	ND	15.76	ND				5563.48
	12.13.18	ND	15.97	ND				5563.27
	8.20.19	ND	16.14	ND				5563.10
	1.07.20	ND	15.85	ND				5563.39
	6.4.20	ND	15.69	ND				5563.55
	11.24.20	ND	16.13	ND				5563.11
	6.23.21	ND	16.02	ND				5563.22
	12.13.21	ND	15.98	ND				5563.26
	6.15.22	ND	15.78	ND				5563.46
	12.6.22	ND	15.65	ND				5563.59
	6.23.23	ND	15.24	ND				5564.00
	12.7.23	ND	15.47	ND				5563.77

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-4*	9.7.12	ND	15.59	ND	25.26	10.26-25.26	5580.36	5564.77
	12.20.12	ND	15.51	ND				5564.85
	3.20.13	ND	15.25	ND				5565.11
	6.19.13	ND	15.41	ND				5564.95
	9.18.13	ND	15.74	ND				5564.62
	12.16.13	ND	15.45	ND				5564.91
	3.14.14	ND	15.14	ND				5565.22
	9.9.14	ND	15.80	ND				5564.56
	6.10.15	ND	15.06	ND				5565.30
	12.04.15	ND	15.56	ND				5564.80
	6.02.16	ND	15.22	ND				5565.14
	9.16.16	ND	15.92	ND			5579.95	5564.03
	12.19.16	ND	15.55	ND				5564.40
	6.27.17	ND	15.22	ND				5564.73
	1.09.18	ND	15.34	ND				5564.61
	6.21.18	ND	15.45	ND				5564.50
	12.13.18	ND	15.60	ND				5564.35
	8.20.19	ND	15.80	ND				5564.15
	1.07.20	ND	15.50	ND				5564.45
	6.4.20	ND	15.41	ND				5564.54
	11.24.20	ND	15.80	ND				5564.15
	6.23.21	ND	15.73	ND				5564.22
	12.13.21	ND	15.66	ND				5564.29
	6.15.22	ND	15.52	ND				5564.43
	12.6.22	ND	15.42	ND				5564.53
	6.23.23	ND	15.09	ND				5564.86
	12.7.23	ND	15.21	ND				5564.74

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-5*	9.7.12	ND	19.35	ND	25.58	10.58-25.58	5583.53	5564.18
	12.20.12	ND	19.28	ND				5564.25
	3.20.13	ND	19.10	ND				5564.43
	6.19.13	ND	19.21	ND				5564.32
	9.17.13	ND	19.55	ND				5563.98
	12.16.13	ND	19.28	ND				5564.25
	3.14.14	ND	19.03	ND				5564.50
	9.9.14	ND	19.58	ND				5563.95
	6.10.15	ND	18.98	ND				5564.55
	12.04.15	ND	19.41	ND				5564.12
	6.02.16	ND	19.08	ND				5564.45
	9.16.16	ND	19.69	ND			5583.41	5563.72
	12.19.16	ND	19.42	ND				5563.99
	6.27.17	ND	19.12	ND				5564.29
	1.09.18	ND	19.22	ND				5564.19
	6.21.18	ND	19.27	ND				5564.14
	12.13.18	ND	19.44	ND				5563.97
	8.20.19	ND	19.60	ND				5563.81
	1.07.20	ND	19.39	ND				5564.02
	6.4.20	ND	19.27	ND				5564.14
	11.24.20[A]	ND	20.66	ND				5562.75
	6.23.21	ND	19.55	ND				5563.86
	12.13.21	ND	19.55	ND				5563.86
	6.15.22	ND	19.36	ND				5564.05
	12.6.22	ND	19.38	ND				5564.03
	6.23.23	ND	19.00	ND				5564.41
	12.7.23	ND	19.22	ND				5564.19

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-6*	9.7.12	ND	18.55	ND	25.50	10.50-25.50	5582.22	5563.67
	12.20.12	ND	18.49	ND				5563.73
	3.20.13	ND	18.27	ND				5563.95
	6.19.13	ND	18.38	ND				5563.84
	9.18.13	ND	18.74	ND				5563.48
	12.16.13	ND	18.46	ND				5563.76
	3.14.14	ND	18.21	ND				5564.01
	9.9.14	ND	18.75	ND				5563.47
	6.10.15	ND	18.16	ND				5564.06
	12.04.15	ND	18.60	ND				5563.62
	6.02.16	ND	18.25	ND				5563.97
	9.16.16	ND	18.86	ND			5581.98	5563.12
	12.19.16	ND	18.61	ND				5563.37
	6.27.17	ND	18.29	ND				5563.69
	1.09.18	ND	18.43	ND				5563.55
	6.21.18	ND	18.47	ND				5563.51
	12.13.18	ND	18.70	ND				5563.28
	8.20.19	ND	18.79	ND				5563.19
	1.07.20	ND	18.61	ND				5563.37
	6.4.20	ND	18.47	ND				5563.51
	11.24.20	ND	18.88	ND				5563.10
	6.23.21	ND	18.74	ND				5563.24
	12.13.21	ND	18.78	ND				5563.20
	6.15.22	ND	18.58	ND				5563.40
	6.15.22	ND	18.58	ND				5563.40
	12.6.22	ND	18.59	ND				5563.39
	6.23.23	ND	18.20	ND				5563.78
	12.7.23	ND	18.42	ND				5563.56

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-7*	9.7.12	ND	19.03	ND	25.85	10.85-25.85	5582.24	5563.21
	12.20.12	ND	18.97	ND				5563.27
	3.20.13	ND	18.79	ND				5563.45
	6.19.13	ND	18.87	ND				5563.37
	9.17.13	ND	19.22	ND				5563.02
	12.16.13	ND	18.46	ND				5563.78
	3.14.14	ND	18.73	ND				5563.51
	9.9.14	ND	19.24	ND				5563.00
	6.10.15	ND	18.65	ND				5563.59
	12.04.15	ND	19.10	ND				5563.14
	6.02.16	ND	18.76	ND				5563.48
	9.16.16	ND	19.37	ND			5582.05	5562.68
	12.19.16	ND	19.13	ND				5562.92
	6.27.17	ND	18.80	ND				5563.25
	1.09.18	ND	18.95	ND				5563.10
	6.21.18	ND	18.98	ND				5563.07
	12.13.18	ND	19.22	ND				5562.83
	8.20.19	ND	19.31	ND				5562.74
	1.07.20	ND	19.14	ND				5562.91
	6.4.20	ND	19.00	ND				5563.05
	11.24.20	ND	19.39	ND				5562.66
	6.23.21	ND	19.26	ND				5562.79
	12.13.21	ND	19.31	ND				5562.74
	6.15.22	ND	19.10	ND				5562.95
	12.6.22	ND	19.12	ND				5562.93
	6.23.23	ND	18.70	ND				5563.35
	12.7.23	ND	18.95	ND				5563.10

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-8*	9.7.12	ND	14.96	ND	24.78	9.78-24.78	5577.81	5562.85
	12.20.12	ND	14.87	ND				5562.94
	3.20.13	ND	14.63	ND				5563.18
	6.19.13	ND	14.74	ND				5563.07
	9.18.13	ND	15.08	ND				5562.73
	12.16.13	ND	14.81	ND				5563.00
	3.14.14	ND	14.53	ND				5563.28
	9.9.14[B]	15.12	15.25	0.13				5562.65
	6.10.15	ND	14.44	ND				5563.37
	12.04.15	ND	14.97	ND				5562.84
	6.02.16	ND	14.61	ND				5563.20
	9.16.16	ND	15.29	ND			5577.47	5562.18
	12.19.16	ND	15.00	ND				5562.47
	6.27.17	ND	14.62	ND				5562.85
	1.09.18	ND	14.80	ND				5562.67
	6.21.18	ND	14.88	ND				5562.59
	12.13.18	ND	15.11	ND				5562.36
	8.20.19	ND	15.22	ND				5562.25
	1.07.20	ND	15.00	ND				5562.47
	6.4.20	ND	14.84	ND				5562.63
	11.24.20	ND	15.26	ND				5562.21
	6.23.21	ND	15.12	ND				5562.35
	12.13.21	ND	15.13	ND				5562.34
	6.15.22	ND	14.92	ND				5562.55
	12.6.22	ND	14.85	ND				5562.62
	6.23.23	ND	14.42	ND				5563.05
	12.7.23	ND	14.66	ND				5562.81

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-9*	9.7.12	ND	17.55	ND	25.78	10.78-25.78	5582.48	5564.93
	12.20.12	ND	17.47	ND				5565.01
	3.20.13	ND	17.28	ND				5565.20
	6.19.13	ND	17.42	ND				5565.06
	9.17.13	ND	17.74	ND				5564.74
	12.16.13	ND	17.48	ND				5565.00
	3.14.14	ND	17.21	ND				5565.27
	9.9.14	ND	17.83	ND				5564.65
	6.10.15	ND	17.18	ND				5565.30
	12.04.15	ND	17.61	ND				5564.87
	6.02.16	ND	17.30	ND				5565.18
	9.16.16	ND	17.94	ND			5582.35	5564.41
	12.19.16	ND	17.60	ND				5564.75
	6.27.17	ND	17.34	ND				5565.01
	1.09.18	ND	17.40	ND				5564.95
	6.21.18	ND	17.49	ND				5564.86
	12.13.18	ND	17.63	ND				5564.72
	8.20.19	ND	17.84	ND				5564.51
	1.07.20	ND	17.57	ND				5564.78
	6.4.20	ND	17.48	ND				5564.87
	11.24.20	ND	17.84	ND				5564.51
	6.23.21	ND	17.79	ND				5564.56
	12.13.21	ND	17.74	ND				5564.61
	6.15.22	ND	17.61	ND				5564.74
	12.7.22	ND	17.55	ND				5564.80
	6.23.23	ND	17.24	ND				5565.11
	12.7.23	ND	17.41	ND				5564.94

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-10*	12.16.13	ND	16.93	ND	21.36	11.36-21.36	5577.80	5560.87
	3.14.14	ND	14.63	ND				5563.17
	9.9.14	ND	15.34	ND				5562.46
	6.10.15	ND	14.58	ND				5563.22
	12.04.15	ND	15.10	ND				5562.70
	6.02.16	ND	14.74	ND				5563.06
	9.16.16	ND	15.49	ND			5578.10	5562.61
	12.19.16	ND	15.12	ND				5562.98
	6.27.17	ND	14.73	ND				5563.37
	1.09.18	ND	14.90	ND				5563.20
	6.21.18	ND	15.05	ND				5563.05
	12.13.18	ND	15.21	ND				5562.89
	8.20.19	ND	15.38	ND				5562.72
	1.07.20	ND	15.09	ND				5563.01
	6.4.20	ND	14.96	ND				5563.14
	11.24.20	ND	15.38	ND				5562.72
	6.23.21	ND	15.27	ND				5562.83
	12.13.21	ND	15.20	ND				5562.90
	6.15.22	ND	15.05	ND				5563.05
	12.6.22	ND	14.88	ND				5563.22
	6.23.23	ND	14.52	ND				5563.58
	12.7.23	ND	14.75	ND				5563.35

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-11*	12.16.13	ND	15.15	ND	21.25	11.25-21.25	5578.65	5563.50
	3.14.14	ND	14.82	ND				5563.83
	9.9.14	ND	15.63	ND				5563.02
	6.10.15	ND	14.76	ND				5563.89
	12.04.15	ND	15.35	ND				5563.30
	6.02.16	ND	14.98	ND				5563.67
	9.16.16	ND	15.74	ND			5579.04	5563.30
	12.19.16	ND	15.35	ND				5563.69
	6.27.17	ND	15.00	ND				5564.04
	1.09.18	ND	15.11	ND				5563.93
	6.21.18	ND	15.28	ND				5563.76
	12.13.18	ND	15.45	ND				5563.59
	8.20.19	ND	15.66	ND				5563.38
	1.07.20	ND	15.32	ND				5563.72
	6.4.20	ND	15.16	ND				5563.88
	11.24.20	ND	15.60	ND				5563.44
	6.23.21	ND	15.53	ND				5563.51
	12.13.21	ND	15.42	ND				5563.62
	6.15.22	ND	15.30	ND				5563.74
	12.6.22	ND	15.10	ND				5563.94
	6.23.23	ND	14.77	ND				5564.27
	12.7.23	ND	14.92	ND				5564.12

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-12*	12.16.13	ND	15.54	ND	21.36	11.36-21.36	5579.99	5564.45
	3.14.14	ND	15.27	ND				5564.72
	9.9.14	ND	15.96	ND				5564.03
	6.10.15	ND	15.22	ND				5564.77
	12.04.15[C]	NG						NG
	6.02.16[C]	NG						NG
	9.16.16[C]	NG					5580.28	NG
	12.19.16[C]	NG						NG
	6.27.17[C]	NG						NG
	1.09.18[C]	NG						NG
	6.21.18[C]	NG						NG
	12.13.18[C]	NG						NG
	8.20.19[C]	NG						NG
	1.07.20[C]	NG						NG
	6.4.20[C]	NG						NG
	11.24.20[C]	NG						NG
	6.23.21[C]	NG						NG
	12.13.21[C]	NG						NG
	6.15.22C	NG						NG
	12.6.22[C]	NG						NG
	6.23.23[C]	NG						NG
	12.7.23	NG						NG

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-13*	12.16.13	ND	19.88	ND	25.26	15.26-25.26	5583.03	5563.15
	3.14.14	ND	19.63	ND				5563.40
	9.9.14	ND	20.18	ND				5562.85
	6.10.15	ND	19.57	ND				5563.46
	12.04.15	ND	20.01	ND				5563.02
	6.02.16	ND	19.67	ND				5563.36
	9.16.16	ND	20.27	ND			5583.34	5563.07
	12.19.16	ND	20.03	ND				5563.31
	6.27.17	ND	19.74	ND				5563.60
	1.09.18	ND	19.85	ND				5563.49
	6.21.18	ND	19.89	ND				5563.45
	12.13.18	ND	20.13	ND				5563.21
	8.20.19	ND	20.22	ND				5563.12
	1.07.20	ND	20.02	ND				5563.32
	6.4.20	ND	19.89	ND				5563.45
	11.24.20	ND	20.28	ND				5563.06
	6.23.21	ND	20.16	ND				5563.18
	12.14.21	ND	20.19	ND				5563.15
	6.15.22	ND	20.01	ND				5563.33
	12.6.22	ND	20.02	ND				5563.32
	6.23.23	ND	19.62	ND				5563.72
	12.7.23	ND	19.85	ND				5563.49
MW-14	9.16.16	ND	14.48	ND	23.01	13.01-23.01	5576.39	5561.91
	12.19.16	ND	14.18	ND				5562.21
	6.27.17	ND	13.83	ND				5562.56
	1.09.18	ND	13.99	ND				5562.40
	6.21.18	ND	14.10	ND				5562.29
	12.13.18	ND	14.33	ND				5562.06
	8.20.19	ND	14.43	ND				5561.96
	1.07.20	ND	14.21	ND				5562.18
	6.4.20	ND	14.05	ND				5562.34
	11.24.20	ND	14.44	ND				5561.95
	6.23.21	ND	14.33	ND				5562.06
	12.13.21	ND	14.31	ND				5562.08
	6.15.22	ND	14.13	ND				5562.26
	12.6.22	ND	14.04	ND				5562.35
	6.23.23	ND	13.62	ND				5562.77
	12.7.23	ND	13.82	ND				5562.57

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TABLE 2
Trunk 6C Kutz Wash
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Depth of Well (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevation (feet AMSL)	Groundwater Elevation* (feet AMSL)
MW-15	9.16.16	ND	16.75	ND	23.15	13.15-23.15	5578.83	5562.08
	12.19.16	ND	16.48	ND				5562.35
	6.27.17	ND	16.12	ND				5562.71
	1.09.18	ND	16.30	ND				5562.53
	6.21.18	ND	16.36	ND				5562.47
	12.13.18	ND	16.60	ND				5562.23
	8.20.19	ND	16.70	ND				5562.13
	1.07.20	ND	16.50	ND				5562.33
	6.4.20	ND	16.35	ND				5562.48
	11.24.20	ND	16.75	ND				5562.08
	6.23.21	ND	16.62	ND				5562.21
	12.13.21	ND	16.64	ND				5562.19
	6.15.22	ND	16.43	ND				5562.40
	12.6.22	ND	16.38	ND				5562.45
	6.23.23	ND	15.96	ND				5562.87
	12.7.23	ND	16.20	ND				5562.63
MW-17	9.16.16	ND	16.02	ND	22.95	12.95-22.95	5579.86	5563.84
	12.19.16	ND	15.68	ND				5564.18
	6.27.17	ND	15.30	ND				5564.56
	1.09.18	ND	15.45	ND				5564.41
	6.21.18	ND	15.55	ND				5564.31
	12.13.18	ND	15.72	ND				5564.14
	8.20.19	ND	15.91	ND				5563.95
	1.07.20	ND	15.62	ND				5564.24
	6.4.20	ND	15.51	ND				5564.35
	11.24.20	ND	15.90	ND				5563.96
	6.23.21	ND	15.84	ND				5564.02
	12.13.21	ND	15.77	ND				5564.09
	6.15.22	ND	15.62	ND				5564.24
	12.6.22	ND	15.50	ND				5564.36
	6.23.23	ND	15.17	ND				5564.69
	12.7.23	ND	15.35	ND				5564.51

BTOC - below top of casing
AMSL - above mean sea level
TOC - top of casing
NG - well not gauged

** - The monitoring wells were resurveyed in September 2016. Groundwater elevations at each well are listed in feet above mean sea level as measured from the TOC elevation.*
Basis of elevation: GPS observations, as measured at set OPUS adjusted control point.

[A] - Suspected misgauge
[B] - Field personnel recorded the presence of NAPL utilizing an interface probe, but the product was not visually verified.
[C] - Monitoring well MW-12 was not sampled during the sampling event due to an obstructed well screen/casing.

ENSOLUM

APPENDIX D

Laboratory Data Sheets & Chain of Custody Documentation

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 10, 2023

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: Trunk 6C Kutz Wash OrderNo.: 2307051

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/24/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2307051**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-2
Project: Trunk 6C Kutz Wash
Collection Date: 6/23/2023 10:45:00 AM
Lab ID: 2307051-001 **Matrix:** AQUEOUS **Received Date:** 6/24/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	7/6/2023 3:24:39 PM	R97957
Toluene	ND	1.0		µg/L	1	7/6/2023 3:24:39 PM	R97957
Ethylbenzene	ND	1.0		µg/L	1	7/6/2023 3:24:39 PM	R97957
Xylenes, Total	ND	2.0		µg/L	1	7/6/2023 3:24:39 PM	R97957
Surr: 4-Bromofluorobenzene	86.0	52.4-148		%Rec	1	7/6/2023 3:24:39 PM	R97957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307051**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-17
Project: Trunk 6C Kutz Wash
Collection Date: 6/23/2023 11:25:00 AM
Lab ID: 2307051-002 **Matrix:** AQUEOUS **Received Date:** 6/24/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	3.3	1.0		µg/L	1	7/6/2023 3:48:37 PM	R97957
Toluene	ND	1.0		µg/L	1	7/6/2023 3:48:37 PM	R97957
Ethylbenzene	ND	1.0		µg/L	1	7/6/2023 3:48:37 PM	R97957
Xylenes, Total	ND	2.0		µg/L	1	7/6/2023 3:48:37 PM	R97957
Surr: 4-Bromofluorobenzene	87.2	52.4-148		%Rec	1	7/6/2023 3:48:37 PM	R97957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307051**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-1
Project: Trunk 6C Kutz Wash
Collection Date: 6/23/2023 12:05:00 PM
Lab ID: 2307051-003 **Matrix:** AQUEOUS **Received Date:** 6/24/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	140	20		µg/L	20	7/6/2023 4:12:33 PM	R97957
Toluene	ND	20		µg/L	20	7/6/2023 4:12:33 PM	R97957
Ethylbenzene	28	20		µg/L	20	7/6/2023 4:12:33 PM	R97957
Xylenes, Total	82	40		µg/L	20	7/6/2023 4:12:33 PM	R97957
Surr: 4-Bromofluorobenzene	87.0	52.4-148		%Rec	20	7/6/2023 4:12:33 PM	R97957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307051**

10-Jul-23

Client: ENSOLUM

Project: Trunk 6C Kutz Wash

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R97957**	RunNo: **97957**
Prep Date:	Analysis Date: **7/6/2023**	SeqNo: **3564116** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	14	1.0	20.00	0	72.2	70	130			
Toluene	15	1.0	20.00	0	74.2	70	130			
Ethylbenzene	15	1.0	20.00	0	75.4	70	130			
Xylenes, Total	46	2.0	60.00	0	76.3	70	130			
Surr: 4-Bromofluorobenzene	17		20.00		87.1	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R97957**	RunNo: **97957**
Prep Date:	Analysis Date: **7/6/2023**	SeqNo: **3564171** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	16		20.00		81.8	52.4	148			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM | Work Order Number: 2307051 | RcptNo: 1

Received By: Tracy Casarrubias 6/24/2023 7:00:00 AM

Completed By: Cheyenne Cason 7/5/2023 1:42:06 PM

Reviewed By: KPA 7.5.23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: 7/5/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	In Temp	Good	Yes			

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 05A122601 LD

Project #: Trunk C Kutz Wash

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): In Temp ONE 7/5/23 (°C)

HEAL No. 2307051 2306 ONE 7/5/23

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE / TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/23/23	10:45	W	MW-2	3x40mL VOA	HCl	001	X									
6/24/23	11:25	W	MW-17	3x40mL VOA	HCl	002	X									
6/23/23	12:05	W	MW-1	3x40mL VOA	HCl	003	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/23/23	15:00			Courier	6/24/23	7:00
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Bill to Ensolum

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 15, 2023

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: Trunk 6C OrderNo.: 2312507

Dear Kyle Summers:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 12/8/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-15
Project: Trunk 6C
Collection Date: 12/7/2023 9:25:00 AM
Lab ID: 2312507-001
Matrix: AQUEOUS
Received Date: 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	2.1	1.0		µg/L	1	12/14/2023 6:03:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 6:03:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 6:03:00 AM	R101820
Xylenes, Total	2.6	2.0		µg/L	1	12/14/2023 6:03:00 AM	R101820
Surr: 4-Bromofluorobenzene	127	52.4-148		%Rec	1	12/14/2023 6:03:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-14
Project: Trunk 6C
Collection Date: 12/7/2023 10:05:00 AM
Lab ID: 2312507-002 **Matrix:** AQUEOUS **Received Date:** 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 6:25:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 6:25:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 6:25:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 6:25:00 AM	R101820
Surr: 4-Bromofluorobenzene	102	52.4-148		%Rec	1	12/14/2023 6:25:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-8
Project: Trunk 6C
Collection Date: 12/7/2023 10:30:00 AM
Lab ID: 2312507-003 **Matrix:** AQUEOUS **Received Date:** 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 6:47:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 6:47:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 6:47:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 6:47:00 AM	R101820
Surr: 4-Bromofluorobenzene	103	52.4-148		%Rec	1	12/14/2023 6:47:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-7
Project: Trunk 6C
Collection Date: 12/7/2023 11:00:00 AM
Lab ID: 2312507-004 **Matrix:** AQUEOUS **Received Date:** 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 7:09:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 7:09:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 7:09:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 7:09:00 AM	R101820
Surr: 4-Bromofluorobenzene	105	52.4-148		%Rec	1	12/14/2023 7:09:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-6
Project: Trunk 6C
Collection Date: 12/7/2023 11:40:00 AM
Lab ID: 2312507-005 **Matrix:** AQUEOUS **Received Date:** 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 7:31:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 7:31:00 AM	R101820
Ethylbenzene	7.8	1.0		µg/L	1	12/14/2023 7:31:00 AM	R101820
Xylenes, Total	24	2.0		µg/L	1	12/14/2023 7:31:00 AM	R101820
Surr: 4-Bromofluorobenzene	115	52.4-148		%Rec	1	12/14/2023 7:31:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-5
Project: Trunk 6C
Collection Date: 12/7/2023 12:15:00 PM
Lab ID: 2312507-006 **Matrix:** AQUEOUS **Received Date:** 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 7:53:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 7:53:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 7:53:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 7:53:00 AM	R101820
Surr: 4-Bromofluorobenzene	104	52.4-148		%Rec	1	12/14/2023 7:53:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-9
Project: Trunk 6C
Collection Date: 12/7/2023 12:40:00 PM
Lab ID: 2312507-007
Matrix: AQUEOUS
Received Date: 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 8:15:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 8:15:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 8:15:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 8:15:00 AM	R101820
Surr: 4-Bromofluorobenzene	105	52.4-148		%Rec	1	12/14/2023 8:15:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312507**
Date Reported: **12/15/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-4
Project: Trunk 6C
Collection Date: 12/7/2023 1:20:00 PM
Lab ID: 2312507-008
Matrix: AQUEOUS
Received Date: 12/8/2023 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/14/2023 8:37:00 AM	R101820
Toluene	ND	1.0		µg/L	1	12/14/2023 8:37:00 AM	R101820
Ethylbenzene	ND	1.0		µg/L	1	12/14/2023 8:37:00 AM	R101820
Xylenes, Total	ND	2.0		µg/L	1	12/14/2023 8:37:00 AM	R101820
Surr: 4-Bromofluorobenzene	105	52.4-148		%Rec	1	12/14/2023 8:37:00 AM	R101820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312507**

15-Dec-23

Client: ENSOLUM

Project: Trunk 6C

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R101820**	RunNo: **101820**
Prep Date:	Analysis Date: **12/13/2023**	SeqNo: **3753768** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.6	70	130			
Toluene	19	1.0	20.00	0	97.2	70	130			
Ethylbenzene	20	1.0	20.00	0	98.9	70	130			
Xylenes, Total	60	2.0	60.00	0	99.8	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		105	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R101820**	RunNo: **101820**
Prep Date:	Analysis Date: **12/13/2023**	SeqNo: **3753770** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		105	52.4	148			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM | Work Order Number: 2312507 | RcptNo: 1

Received By: Tracy Casarrubias 12/8/2023 6:45:00 AM

Completed By: Tracy Casarrubias 12/8/2023 7:43:38 AM

Reviewed By: JM 12/8/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: JM 12/07/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: Phone number is missing on COC- TMC 12/8/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes	Morty		

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Trunk 6C

Project #: 05A1226011

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☒ Yes ☐ No Morty

# of Coolers: 1

Cooler Temp (including CF): 3.2-0.1=3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312507	BTEX / ~~MTBE~~ / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/7/23	9:25	W	MW-15	3x40mL VOA	HgCl2	001	X									
	10:05	W	MW-14			002	X									
	10:30	W	MW-8			003	X									
	11:00	W	MW-7			004	X									
	11:40	W	MW-6			005	X									
	12:15	W	MW-5			006	X									
	12:40	W	MW-9			007	X									
	13:20	W	MW-4			008	X									

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12/7/23	1502				12/7/23	1502
12/7/23	1740			Courier	12/8/23	0:45

Remarks: Bill to Ensolum

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

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 29, 2024

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: Trunk 6C OrderNo.: 2312574

Dear Kyle Summers:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 12/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-3
Project: Trunk 6C **Collection Date:** 12/8/2023 9:45:00 AM
Lab ID: 2312574-001 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	12/15/2023 3:35:25 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 3:35:25 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 3:35:25 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 3:35:25 AM	BW1018
Surr: 4-Bromofluorobenzene	106	52.4-148		%Rec	1	12/15/2023 3:35:25 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-2
Project: Trunk 6C **Collection Date:** 12/8/2023 10:15:00 AM
Lab ID: 2312574-002 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	12/15/2023 3:59:02 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 3:59:02 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 3:59:02 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 3:59:02 AM	BW1018
Surr: 4-Bromofluorobenzene	105	52.4-148		%Rec	1	12/15/2023 3:59:02 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-17
Project: Trunk 6C **Collection Date:** 12/8/2023 10:45:00 AM
Lab ID: 2312574-003 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	3.9	1.0		µg/L	1	12/15/2023 4:22:38 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 4:22:38 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 4:22:38 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 4:22:38 AM	BW1018
Surr: 4-Bromofluorobenzene	105	52.4-148		%Rec	1	12/15/2023 4:22:38 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: MW-1
Project: Trunk 6C
Collection Date: 12/8/2023 11:10:00 AM
Lab ID: 2312574-004
Matrix: AQUEOUS
Received Date: 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	140	10		µg/L	10	12/15/2023 4:46:37 AM	BW1018
Toluene	9.1	1.0		µg/L	1	12/15/2023 5:07:18 PM	BW1018
Ethylbenzene	39	1.0		µg/L	1	12/15/2023 5:07:18 PM	BW1018
Xylenes, Total	120	2.0		µg/L	1	12/15/2023 5:07:18 PM	BW1018
Surr: 4-Bromofluorobenzene	119	52.4-148		%Rec	1	12/15/2023 5:07:18 PM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-13
Project: Trunk 6C **Collection Date:** 12/8/2023 11:50:00 AM
Lab ID: 2312574-005 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	12/15/2023 5:10:38 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 5:10:38 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 5:10:38 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 5:10:38 AM	BW1018
Surr: 4-Bromofluorobenzene	102	52.4-148		%Rec	1	12/15/2023 5:10:38 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-10
Project: Trunk 6C **Collection Date:** 12/8/2023 12:00:00 PM
Lab ID: 2312574-006 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	12/15/2023 5:58:40 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 5:58:40 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 5:58:40 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 5:58:40 AM	BW1018
Surr: 4-Bromofluorobenzene	102	52.4-148		%Rec	1	12/15/2023 5:58:40 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312574**
Date Reported: **1/29/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM **Client Sample ID:** MW-11
Project: Trunk 6C **Collection Date:** 12/8/2023 12:15:00 PM
Lab ID: 2312574-007 **Matrix:** AQUEOUS **Received Date:** 12/9/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	12/15/2023 6:22:39 AM	BW1018
Toluene	ND	1.0		µg/L	1	12/15/2023 6:22:39 AM	BW1018
Ethylbenzene	ND	1.0		µg/L	1	12/15/2023 6:22:39 AM	BW1018
Xylenes, Total	ND	2.0		µg/L	1	12/15/2023 6:22:39 AM	BW1018
Surr: 4-Bromofluorobenzene	102	52.4-148		%Rec	1	12/15/2023 6:22:39 AM	BW1018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312574**

29-Jan-24

Client: ENSOLUM

Project: Trunk 6C

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **BW101840**	RunNo: **101840**
Prep Date:	Analysis Date: **12/14/2023**	SeqNo: **3755094** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.5	70	130			
Toluene	19	1.0	20.00	0	92.9	70	130			
Ethylbenzene	19	1.0	20.00	0	93.9	70	130			
Xylenes, Total	56	2.0	60.00	0	94.1	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		103	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **BW101840**	RunNo: **101840**
Prep Date:	Analysis Date: **12/14/2023**	SeqNo: **3755095** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		100	52.4	148			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM Work Order Number: 2312574 RcptNo: 1

Received By: Cheyenne Cason 12/9/2023 7:30:00 AM

Completed By: Cheyenne Cason 12/9/2023 8:34:55 AM

Reviewed By: 12-11-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: 12/11/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes	Morty		

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Trunk 6C

Project #: 05A1226011

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☒ Yes ☐ No Many

# of Coolers: 1

Cooler Temp(including CF): 2.1 -0 = 2.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312574	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/8/23	9:45	W	MW-3	3x40mL VOA	$HgCl_2$	001	X									
	10:15	W	MW-2			002	X									
	10:45	W	MW-17			003	X									
	11:10	W	MW-1			004	X									
	11:50	W	MW-13	2x40mL VOA		005	X									
	12:00	W	MW-10			006	X									
	12:15	W	MW-11			007	X									

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/8/23	1425				12/8/23	1425
12/8/23	1745		CMC courier		12/9/23	0730

Remarks: Bill to Ensolum

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

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	241602
	Action Number: 378289
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Groundwater Monitoring Report for Trunk 6C Kutz Wash Pipeline Release: content satisfactory 1. Continue to conduct semi-annual groundwater monitoring at the site as prescribed. 2. Please prepare to submit a stage 2 abatement plan within sixty (90) days from the date of this approval, by 02/17/2025, with the development and assessment of options for abatement as per 19.15.30.13 paragraph (D). 3. Replace monitoring well (MW-12) to assess COC concentrations in soil and groundwater as requested by NMOCD. 4. Submit the 2024 annual groundwater monitoring report no later than April 1, 2025.	11/20/2024