

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

ENTERPRISE PRODUCTS OPERATING LLC

September 6, 2023

Submitted online via OCD E-Permitting:

https://www.apps.emnrd.state.nm.us/OCD/OCDPermitting/default.aspx

Mr. Nelson Velez New Mexico Energy, Minerals & Natural Resources Department - Oil Conservation Division 1000 Rio Brazos Road Aztec. New Mexico 87410

REVIEWED

By Mike Buchanan at 3:43 pm, Sep 14, 2023

Submittal1: 2021 Groundwater Monitoring [Annual] Report Find Services LLC.

Review of the 2021 GW.

Private Find Services LLC.

RE: Enterprise Field Services, LLC

Trunk 6C Pipeline - Kutz Wash Release (09/22/11 Content Satisfactory San Juan County, New Mexico [SW 1/4, S26 T28N R Continue semi-annual 7.97400 W)]

OCD RP: 3R-438; OCD Abatement Plan No. 131; 9/9/9/9/water Monitoring of the

Dear Mr. Velez:

site.

2. As approved by NMOCD, suspension of sampling wells

Enterprise Products Operating LLC (Enterprise), on behalmay Enterprise Fidely Str. MWs4.LLC, is pleased to provide the New Mexico (NM) Energy, Minerals and MWt5; all Wt-6; MWe3, M Conservation Division (OCD) with an electronic copy (uplo MMAG9 MMAG9 MMAG13g website address above) of the above-referenced documents (Submittal1 and MWH) and WHI Were prepared by Ensolum, LLC (Ensolum) and dated March 25, 2022 and March 22, 2023 3r Submit the 2023 Arbitials are associated with the September 22, 2011 discovery of a release of natural Groundwater Report for the site m the Enterprise Trunk 6C pipeline at the above-referenced location (the "hibatic Itham (apmetic 2024 alled in each Submittal documents Site-related groundwater monitoring and sampling (GWM&S) activities conducted between January 1 and December 31, 2021 (the "reporting period" for Submittal1) and between January 1 and December 31, 2022 (the "reporting period" for Submittal2). During the reporting period for each Submittal, two semi-annual groundwater monitoring and sampling (S-AGWM&S) events were conducted to evaluate the magnitude and extent of any constituents of concern (COCs) that remain at the Site as phase-separated hydrocarbon (PSH) and dissolved-phase hydrocarbon (DPH).

Based on the data presented in each Submittal, PSH has not been observed since September 2016 (MW-1) and the DPH plume remains delineated. And although COC concentrations still remain in excess of the applicable Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs) (in MW-1 and MW-17). DPH/COC concentrations continue to be stable and/or declining.

Based on the results presented in the Submittal, Enterprise plans to: 1) continue conducting semi-annual GWM&S events, 2) suspend monitoring and sampling of monitoring wells MW-3 through MW-11 and MW-13 through MW-15 (as per NM OCD approval email dated December 28, 2021), and 3) conduct additional sitespecific aquifer characterization and testing to evaluate the options to remediate areas of GQS exceedances. Once the Stage 1 Abatement Plan has been fully approved and implemented, Enterprise will prepare and submit a Stage 2 Abatement Plan for approval, or proceed "at-risk" with the removal of residual impacted soils to expedite natural attenuation (prior to the EMNRD OCD approval of the Stage 1 Abatement Plan).

Enterprise appreciates the New Mexico EMNRD OCD's continued assistance and guidance in bringing closure to this Site. Should you have any questions, comments, or concerns, or need additional information regarding this Site, please feel free to contact me at (713) 381-8780, or via email at GEMiller@eprod.com.

Sincerely,

Gregory & Miller Gregory E. Miller, P.G. Supervisor, Environmental

Rodney M. Sartor, REM Sr. Director, Environmental

BLM, Farmington, NM - Mr. Ryan Joyner <6251 College Blvd., Suite A, Farmington, NM 87402>

ec: NMOCD, Aztec, NM - Mr. Nelson Velez < Nelson.Velez@state.nm.us> NMOCD, Santa Fe, NM - Mr. Jim Griswold < Jim. Griswold@state.nm.us >

NMOCD, Santa Fe, NM – Mr. Brad Billings < Bradford.Billings@state.nm.us> Ensolum, Houston, TX – Mr. Marc E. Gentry < MGentry@ensolum.com >

CC.



2021 GROUNDWATER MONITORING REPORT

Property:

Trunk 6C Kutz Wash Pipeline Release 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

> March 25, 2022 Ensolum Project No. 05A1226011

> > Prepared for:

Enterprise Field Services, LLC P.O. Box 4324 Houston, Texas 77210-4324 Attn: Mr. Gregory E. Miller, P.G.

Prepared by:

Landon Daniell Staff Geologist

Kyle Summers Senior Project Manager



2021 GROUNDWATER MONITORING REPORT EXECUTIVE SUMMARY

This report documents the 2021 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 sampling events were conducted by Ensolum during June 2021 and December 2021. 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, with an approximate average gradient of 0.008 feet per foot (ft/ft) across the Site.
- Benzene was reported at concentrations exceeding the 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 2021 and December 2021 sampling events and monitoring MW-17 during the June 2021 sampling event. The groundwater samples collected from the remaining monitoring wells during the 2021 sampling events did not exhibit COC concentrations above the applicable WQCC GQSs (see footnote in report).
- The results from the 2021 groundwater sampling events at the Site generally continue to demonstrate declining or stable COC concentrations in groundwater.

Ensolum offers the following recommendations:

- Report the groundwater monitoring results to the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD).
- Continue semi-annual groundwater monitoring at the Site.
- Suspend sampling of monitoring wells MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-14, and MW-15 as approved by the New Mexico EMNRD OCD in an email dated December 28, 2021.
- Implement additional Site-specific aguifer testing as described in the Stage 1 Abatement Plan.
- After the Stage 1 Abatement Plan has been fully implemented and approved, prepare a Stage 2
 Abatement Plan (if required), or proceed "at-risk" with the removal of residual impacted soils to expedite
 natural attenuation prior to EMNRD OCD approval of the Stage 1 Abatement Plan.

Executive Summary



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1.0 INTRODUCTION

This report documents the 2021 groundwater monitoring activities conducted at the Trunk 6C Kutz Wash Pipeline Release 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
Incident ID	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 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 has not formally approved the plan at this time, and Enterprise has resumed semi-annual groundwater monitoring of the Site.

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 New Mexico Administrative Code (NMAC) 19.15.29 *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 (NMAC 20.6.2 *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.

2.0 GROUNDWATER MONITORING

2.1 Groundwater Sampling Program

Groundwater sampling events were conducted during June 2021 and December 2021 by Ensolum. The groundwater sampling program consisted of the collection of one groundwater sample from each of the 15 viable monitoring wells at the Site. Monitoring well MW-12 was not sampled during either sampling event due to an obstructed well screen/casing.

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 sites that predate the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.



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 liquids (NAPL).
- Each viable two inch diameter monitoring well was sampled utilizing micro-purge low-flow sampling techniques. Following the completion of the micro-purge process, one groundwater sample was collected from each monitoring well.
- Low-flow sampling and low-stress sampling refer 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, 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.
- The casing diameter of monitoring wells MW-10, MW-11, and MW-13 is approximately one inch, which is smaller than the bladder pump diameter. As a result, these monitoring wells were purged utilizing a disposable bailer until effectively dry. Following the completion of the purging process and the recovery of groundwater to static levels, one groundwater sample was collected from each monitoring well.
- The groundwater samples were collected in laboratory-supplied containers (pre-preserved with mercuric chloride (HgCl₂)), labeled/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 Hall Environmental Analysis Laboratory (HEAL) of Albuquerque, New Mexico under proper chain-of-custody procedures.

2.2 Groundwater Laboratory Analytical Methods

The groundwater samples collected from the monitoring wells during the 2021 sampling events were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) utilizing United States Environmental Protection Agency (EPA) Method SW-846 #8021 or #8260.

Analytes	Sample Matrix	No. of Samples (per event)	EPA Method
BTEX	Groundwater	15	SW-846 8021/8260

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



2.3 Groundwater Flow Direction

Each monitoring well has been geospatially surveyed to determine the top-of-casing (TOC) elevation. Based on gauging data, the groundwater flow direction at the Site is generally toward the northwest. The calculated gradient averaged approximately 0.008 feet per foot (ft/ft) across the Site.

Groundwater elevation data collected during the June 2021 and December 2021 gauging events (as well as historical gauging data) are presented in **Table 2** (**Appendix B**). Groundwater gradient maps prepared for the June 2021 and December 2021 gauging events are included as **Figure 4A** and **Figure 4B** (**Appendix A**).

2.4 Data Evaluation

Ensolum compared the BTEX laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the groundwater samples collected during the June 2021 and December 2021 sampling events to the New Mexico WQCC GQSs. The results of the groundwater sample analyses are summarized in **Table 1** of **Appendix B**. Groundwater Quality Standard Exceedance Zone maps are provided as **Figures 5A** and **Figure 5B** of **Appendix A**. Monitoring well MW-12 was not sampled in 2021 due to an obstructionin the well screen/casing.

June 2021

- The June 2021 analytical results for monitoring wells MW-1 and MW-17 indicate benzene concentrations of 750 micrograms per liter (μg/L) and 13 μg/L, respectively, which exceed 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 June 2021 analytical result for monitoring well MW-1 indicates a toluene concentration of 540 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 June 2021 analytical results for monitoring wells MW-1 and MW-15 indicate ethylbenzene concentrations of 72 μg/L and 1.8 μg/L, respectively, 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 June 2021 analytical results for monitoring wells MW-1 and MW-15 indicate total xylenes concentrations of 230 μg/L and 29 μg/L, respectively, which are below the WQCC GQS of 620 μg/L. 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.
- No data qualifier flags are associated with the June 2021 analytical results.

December 2021

 The December 2021 analytical result for monitoring well MW-1 indicates a benzene concentration of 430 μg/L, which exceeds the WQCC GQS of 10 μg/L.¹ The analytical result for monitoring well MW-17

Page 4

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 sites that predate the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.



indicates a benzene concentration of 4.3 μ g/L, which is below the WQCC GQS of 10 μ g/L. 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 μ g/L.

- The December 2021 analytical result for monitoring well MW-1 indicates a toluene concentration of 100 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 2021 analytical results for monitoring wells MW-1 and MW-6 indicate an ethylbenzene concentration of 59 μg/L and 1.2 μg/L, respectively, which are below the WQCC GQS of 750 μg/L. 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.
- The December 2021 analytical results for monitoring wells MW-1, MW-6, and MW-15 indicate total xylenes concentrations of 170 μg/L, 8.0 μg/L, and 11 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 2021 analytical results.

3.0 FINDINGS

Based on the evaluation of the analytical results from the 2021 groundwater monitoring events, Ensolum presents the following findings:

- The groundwater flow direction at the Site is generally towards the northwest, with an approximate gradient of 0.008 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 2021 and December 2021 sampling events, and monitoring MW-17 during the June 2021 sampling event. The groundwater samples collected from the remaining monitoring during the two 2021 sampling events did not exhibit COC concentrations above the applicable WQCC GQSs.¹
- The results from the 2021 groundwater sampling events at the Site generally continue to demonstrate declining or stable COC concentrations in groundwater.

4.0 RECOMMENDATIONS

Based on these findings, Ensolum recommends the following:

- Report the groundwater monitoring results to the New Mexico EMNRD OCD.
- Continue semi-annual groundwater monitoring 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 sites that predate the 2018 rule change. Therefore, this document reflects the GQSs that were applicable at the time of initial remediation.



- Suspend sampling of monitoring wells MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-14, and MW-15 as approved by the New Mexico EMNRD OCD in an email dated December 28, 2021.
- Implement additional Site-specific aquifer testing as described in the Stage 1 Abatement Plan.
- After the Stage 1 Abatement Plan has been fully implemented and approved, prepare a Stage 2
 Abatement Plan (if required), or proceed "at-risk" with the removal of residual impacted soils to expedite
 natural attenuation prior to EMNRD OCD approval of the Stage 1 Abatement Plan.

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). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

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 recommendations are based solely upon data available to Ensolum at the time of these services.

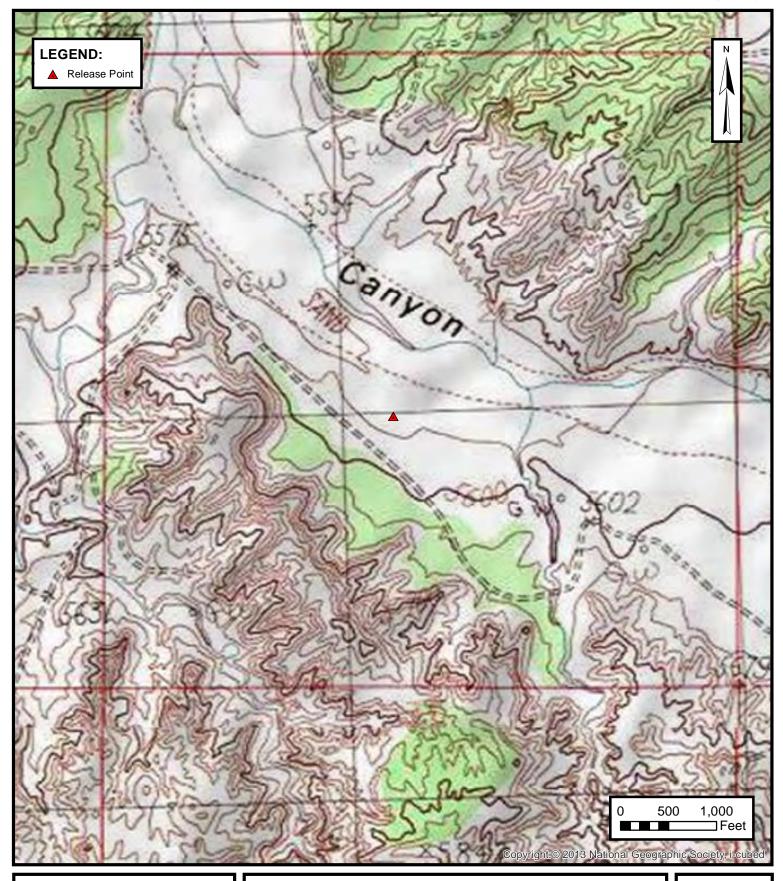
5.3 Reliance

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 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.



APPENDIX A

Figures





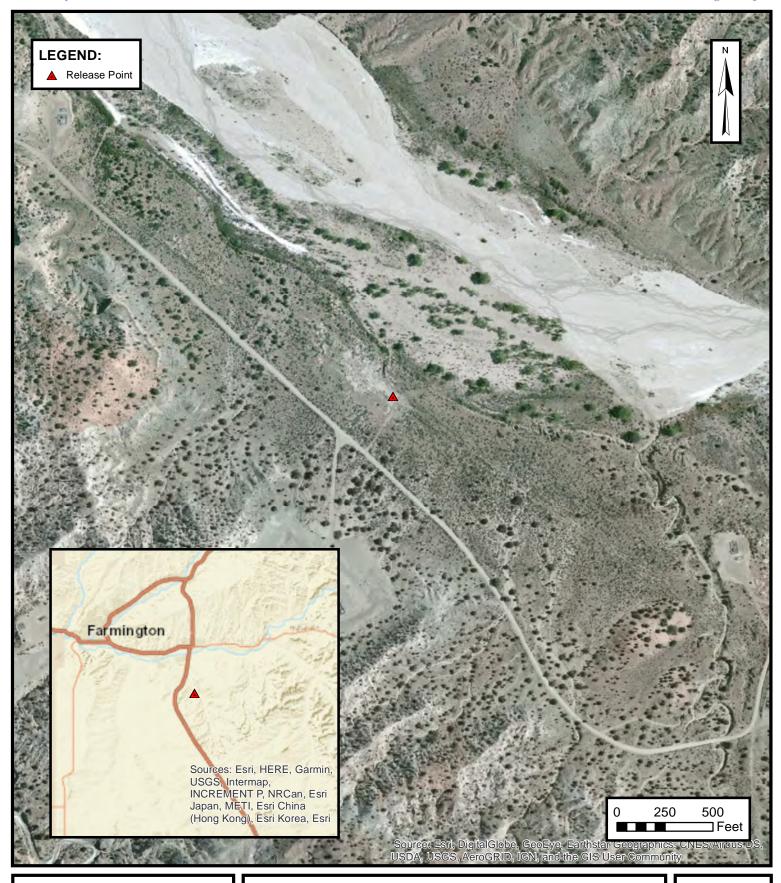
TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE

1





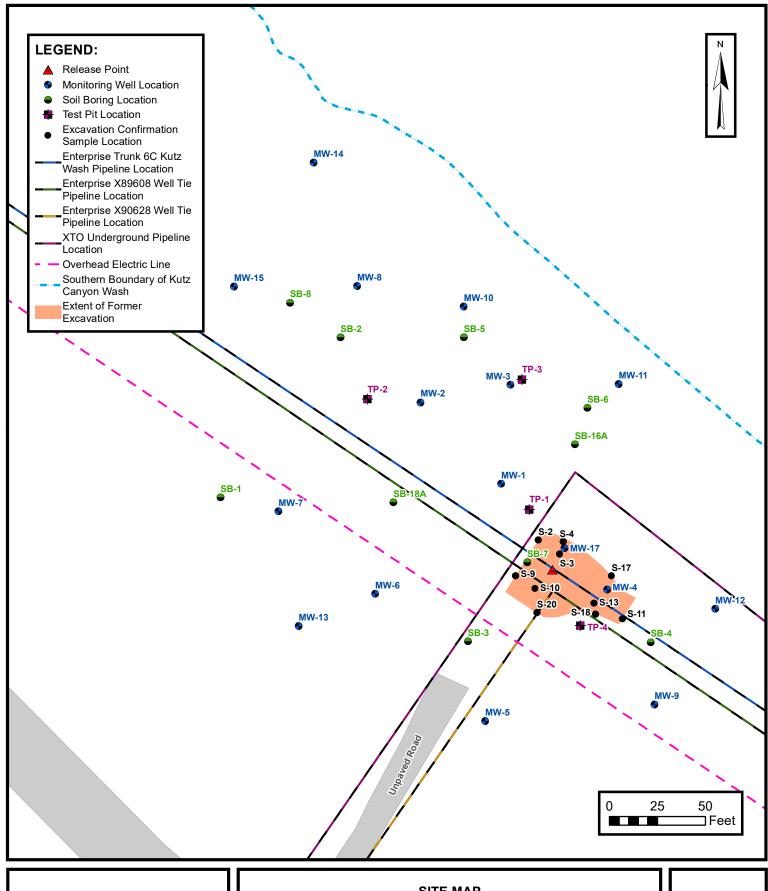
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE

2





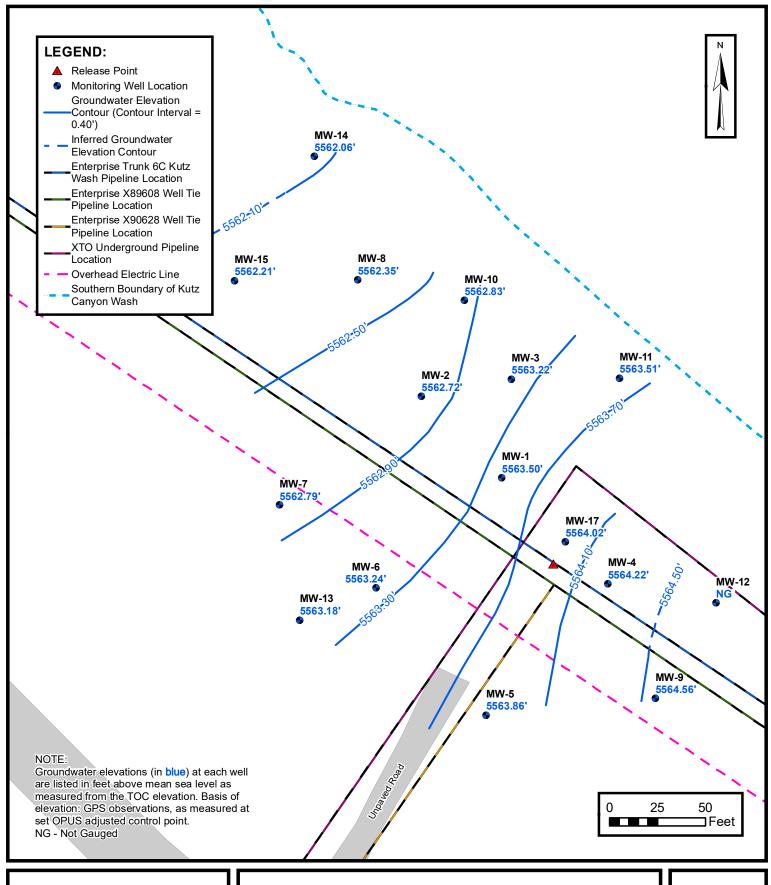
SITE MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE 3





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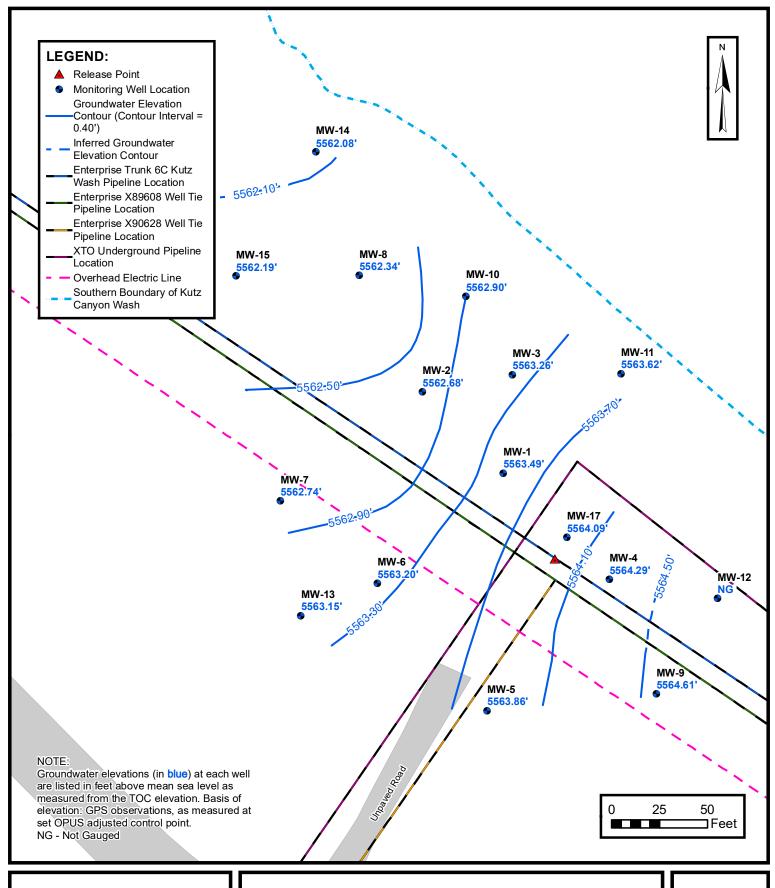
GROUNDWATER GRADIENT MAP (JUNE 2021)

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE

4A





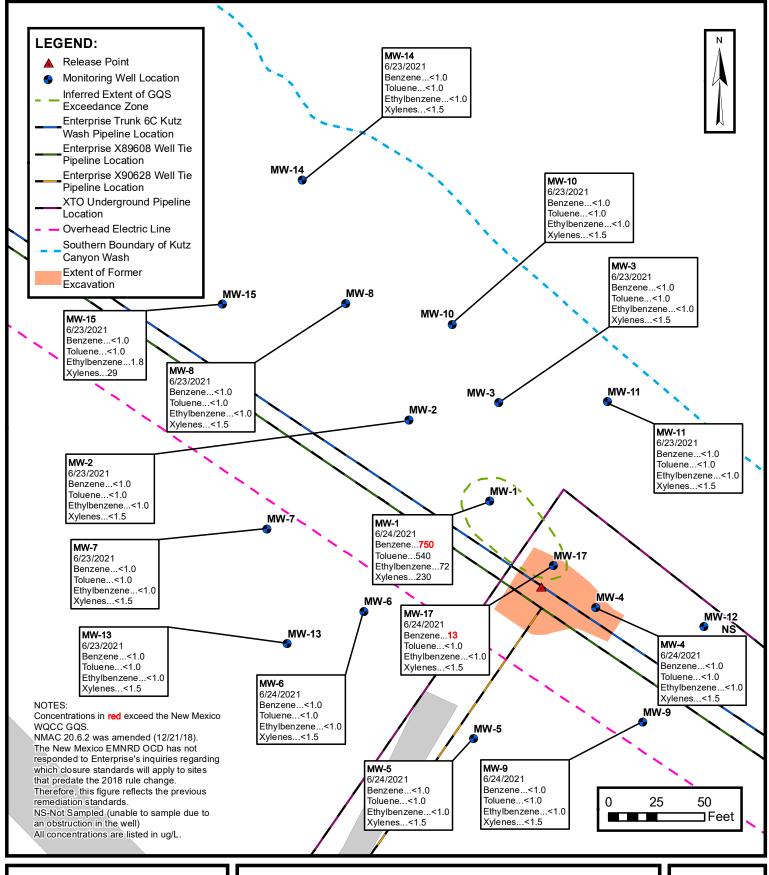
GROUNDWATER GRADIENT MAP (DECEMBER 2021)

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE 4B





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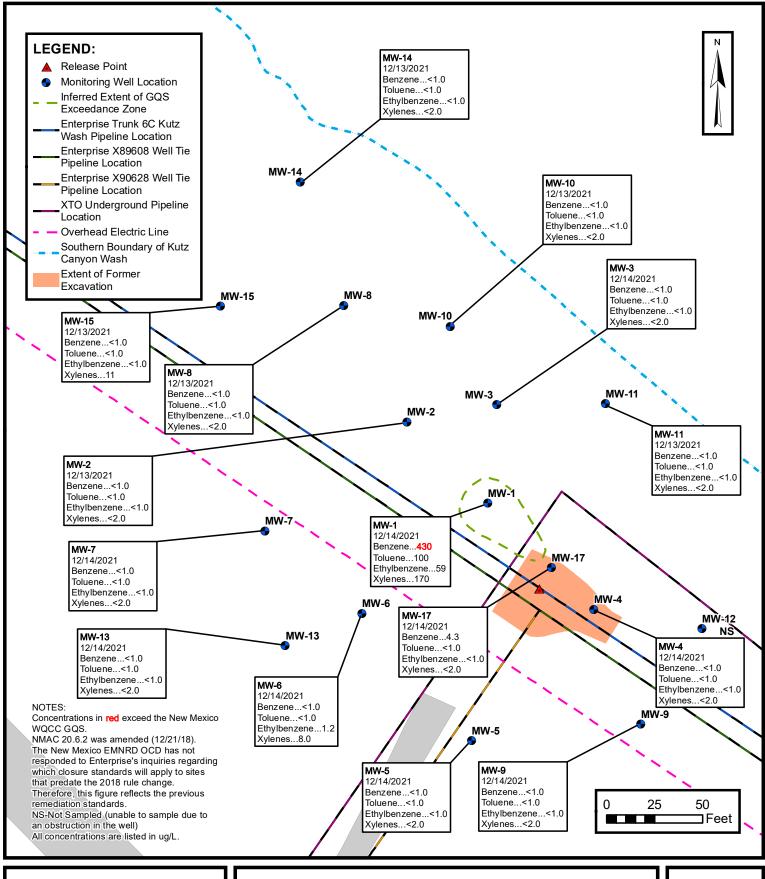
GROUNDWATER QUALITY STANDARD (GQS) EXCEEDANCE ZONE MAP (JUNE 2021)

ENTERPRISE FIELD SERVICÉS, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE **5A**





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GROUNDWATER QUALITY STANDARD (GQS) EXCEEDANCE ZONE MAP (DECEMBER 2021)

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE **5B**



APPENDIX B

Tables



Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)
		(μg/L)	(μg/L)	(µg/L)	(µg/L)
	ntrol Commmission Groundwater Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-1	6.02.16	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 61	270
	11.24.20 6.24.21	730 750	290 540	61 72	180 230
	12.14.21	430	100	59	170
	9.7.12	270	1,100	66	1,800
	12.20.12	26	49	5.1	250
	3.20.13 6.19.13	<5.0 NAPL	<5.0 NAPL	<5.0 NAPL	67 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
	6.02.16	<1.0	<1.0	<1.0	<2.0
MW-2	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.09.18	<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		
	0.4.00		\1.0	<1.0	<2.0
	6.4.20	<1.0	<1.0	<1.0 <1.0	<2.0 <1.5
	11.24.20	<1.0 <1.0			
			<1.0	<1.0	<1.5
	11.24.20	<1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <2.0
	11.24.20 6.23.21	<1.0 <1.0	<1.0 <1.0 <1.0	<1.0 <1.0 <1.0	<1.5 <2.0 <1.5
	11.24.20 6.23.21 12.13.21	<1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0
	11.24.20 6.23.21 12.13.21 9.7.12	<1.0 <1.0 <1.0 <2.0	<1.0 <1.0 <1.0 <1.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0 <4.0
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0	<1.5 <2.0 <1.5 <2.0 <4.0 <4.0
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0	<1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13	<1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 130	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.5	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 <15
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14	<1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 130 28 340 86	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.5 <4.0 4.0	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 150 660 200 2.5	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 130 28 340 86 1.7	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.5 <5.0 16 4.0 <1.0	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.5 <5.0 16 4.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2
	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 52.0 780 150 660 200 2.5 1.3 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.5 <5.0 16 4.0 <1.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16	<1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <1.5
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <2.0 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <1.5 <2.0 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18 12.14.18 8.21.19 1.10.20	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 <2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18 12.14.18 8.21.19 1.10.20 6.4.20	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18 12.14.18 8.21.19 1.10.20 6.4.20 11.24.20	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5
MW-3	11.24.20 6.23.21 12.13.21 9.7.12 12.20.12 3.20.13 6.19.13 9.18.13 12.16.13 3.14.14 9.9.14 6.12.15 12.7.15 6.02.16 12.19.16 6.28.17 1.09.18 6.21.18 12.14.18 8.21.19 1.10.20 6.4.20	<1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 780 150 660 200 2.5 1.3 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 130 28 340 86 1.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <2.0 2.5 <5.0 16 4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <4.0 <4.0 <4.0 15 15 130 49 3.3 2.2 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5



Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)
	ntrol Commmission Groundwater Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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 <1.0	63
	3.14.14 9.9.14	4.0 <2.0	<1.0 <2.0	<1.0 <2.0	<3.0 <4.0
	6.11.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.02.16	<1.0	<1.0	<1.0	<2.0
MW-4	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.28.17	<1.0	<1.0	<1.0	<2.0
	1.09.18	<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
	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 <1.0	<2.0 <1.0	<2.0	<4.0 <2.0
	6.19.13 9.17.13	<1.0	<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
MW-5	6.02.16	<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
	1.09.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <1.5
	6.21.18 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
	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 <1.0	<5.0 <1.0	140	990
	3.14.14 9.9.14	<1.0 <5.0	<1.0 <5.0	150 49	990 400
	6.12.15	<5.0 <5.0	<5.0 <5.0	89	590
	12.4.15	<2.5	<5.0	41	210
	6.02.16	<1.0	<1.0	16	70
MW-6	12.19.16	<1.0	<1.0	26	80
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.09.18	<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



Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)
	ontrol Commmission Groundwater o Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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	<1.0	<1.0	<1.0	<1.5
	12.16.13	1.6	3.9	3.6	16
	3.14.14 9.9.14	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <2.0
	6.12.15	<1.0	<1.0	<1.0	<2.0
	12.7.15	<1.0	<1.0	<1.0	<2.0
NAVA / 7	6.02.16	<1.0	<1.0	<1.0	<2.0
MW-7	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.09.18	<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 6.5.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <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
	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 NAPL**	190	10	210
	9.9.14 6.15.15	<1.0	NAPL** <1.0	NAPL** <1.0	NAPL** 10
	12.7.15	1.3	<1.0	<1.0	53
MW-8	6.02.16	4.0	1.6	<1.0	5.1
IVIVV-O	12.19.16	<1.0	<1.0	<1.0	2.1
	6.27.17	<1.0	<1.0	<1.0	<2.0
	1.09.18	<1.0	<1.0	<1.0	<2.0
	6.21.18	<1.0	<1.0	<1.0	<1.5
	12.14.18 8.21.19	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <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
	9.7.12	<2.0	2.4	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
					-10
	3.20.13	<2.0	<2.0	<2.0	<4.0
	3.20.13 6.19.13	<2.0 <1.0	<2.0 <1.0	<2.0 <1.0	<2.0
	3.20.13 6.19.13 9.17.13	<2.0 <1.0 <1.0	<2.0 <1.0 <1.0	<2.0 <1.0 <1.0	<2.0 <1.5
	3.20.13 6.19.13	<2.0 <1.0	<2.0 <1.0	<2.0 <1.0	<2.0
	3.20.13 6.19.13 9.17.13 12.16.13	<2.0 <1.0 <1.0 1.5	<2.0 <1.0 <1.0 3.5	<2.0 <1.0 <1.0 2.9	<2.0 <1.5 12
	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15	<2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0	<2.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0	<2.0 <1.5 12 <3.0 <4.0 <2.0
	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15	<2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16	<2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0 <1.0	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16	<2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0 <1.0 <1.0	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17	<2.0 <1.0 <1.0 <1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17	<2.0 <1.0 <1.0 <1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 <3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18	<2.0 <1.0 <1.0 <1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18	<2.0 <1.0 <1.0 <1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18 12.13.18	<2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18 12.13.18 8.22.19	<2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 <3.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<2.0 <1.0 <1.0 2.9 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <1.5
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18 12.13.18	<2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <2.0 <2.0 <1.5 <2.0 <2.0 <2.0
MW-9	3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15 6.02.16 12.19.16 6.27.17 1.09.18 6.21.18 12.13.18 8.22.19 1.10.20 6.4.20	<2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 <1.0 <3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <2.0 <1.5 <2.0 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5 <2.0 <1.5



Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (µg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)
	trol Commmission Groundwater Standards	10 ^A	750 ^A	750 ^A	620 ^A
	12.16.13	950	34	12	39
	3.14.14	560	4.0	16	27
	9.9.14 6.15.15	580 75	<10 <1.0	34 12	<20 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
MW-10	6.27.17 1.10.18	3.4 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0
10100-10	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 6.4.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <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
	12.16.13	2.6	3.5	<1.0	6
	3.14.14 9.9.14	<1.0 <2.0	<1.0 <2.0	<1.0 <2.0	<3.0 <4.0
	6.12.15	<1.0	<1.0	<1.0	<2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.03.16	<1.0	<1.0	<1.0	<2.0
	12.20.16	<1.0	<1.0	<1.0	<1.5
MW-11	6.28.17 1.10.18	<1.0	Insufficient volume o	of water to sample.	<1.5
10100-11	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 11.24.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <1.5
	6.23.21	<1.0	<1.0	<1.0	<1.5
	12.13.21	<1.0	<1.0	<1.0	<2.0
	12.16.13	3.3	3.8	<1.0	6
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14 6.12.15	<2.0	<2.0 Casing Ob	<2.0	<4.0
	12.4.15		Casing Ob		
	6.02.16		Casing Ob		
	12.20.16		Casing Ob		
MW-12	6.27.17		Casing Ob		
IVIVV-12	1.10.18 6.21.18		Casing Ob Casing Ob		
	12.13.18		Casing Ob		
	8.22.19		Casing Ob	struction	
	1.10.20		Casing Ob		
	6.4.20 11.24.20		Casing Ob Casing Ob		
	6.24.21		Casing Ob		
	12.15.21		Casing Ob	struction	
	12.16.13	4.4	5.1	1.2	8
	3.14.14	<1.0	<1.0	<1.0	<3.0
	9.9.14 6.15.15	<2.0 <1.0	<2.0 <1.0	<2.0 <1.0	<4.0 <2.0
	12.4.15	<1.0	<1.0	<1.0	<2.0
	6.03.16	<1.0	<1.0	<1.0	<2.0
	12.20.16	<1.0	<1.0	<1.0	<1.5
MW-13	6.27.17 1.10.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0
IVIVV - IO	6.22.18	<1.0	<1.0	<1.0	<2.0 <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 11.24.20	<1.0 <1.0	<1.0	<1.0	<1.5
	11.24.20 6.23.21	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <1.5
	12.14.21	<1.0	<1.0	<1.0	<2.0



Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		(μg/L)	(μg/L)	(µg/L)	(µg/L)
	ntrol Commmission Groundwater Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-14	12.13.18	2.7	<1.0	<1.0	6.1
10100-14	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
	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
NAVA 45	12.13.18	1.2	<1.0	<1.0	<2.0
MW-15	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
	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
NAVA / 47	12.14.18	29	<1.0	1.8	<2.0
MW-17	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

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

NAPL = Non-aqueous phase liquid

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 sites that predate the 2018 rule change. Therefore, this table reflects the previous remediation standards.

μg/L = micrograms per liter

^{** -} 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



TABLE 2 Trunk 6C Kutz Wash

	GROUNDWATER ELEVATIONS									
Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater		
		Product	(f	Thickness	Well	#	(5	Elevation*		
		(feet BTOC)	(feet BTOC)		(feet BTOC)	(feet BTOC)	(feet AMSL)	(feet AMSL)		
	9.7.12	ND	15.78	ND				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			EE70 72	5563.81		
	12.16.13 3.14.14	15.59 15.35	15.75 15.36	0.16 0.01			5579.73	5564.10 5564.38		
	9.9.14	15.98	15.99	0.01						
	6.10.15	15.29	15.30	0.01				5564.44		
	12.04.15	ND	15.81	ND				5563.92		
MW-1*	6.02.16 9.16.16	ND 16.12	15.41 16.13	ND 0.01	27.43	12.43-27.43		5564.32		
10100-1	12.19.16	ND	15.83	ND	27.43	12.43-27.43		5563.31 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 8.20.19	ND ND	15.89 16.02	ND ND	ł		5579.43	5563.54 5563.41		
	1.07.20	ND ND	15.02	ND ND	1			5563.41		
	6.4.20	ND	15.63	ND	1			5563.80		
	11.24.20	ND	16.06	ND				5563.37		
	6.23.21	ND	15.93	ND				5563.50		
	12.13.21 9.7.12	ND ND	15.94 16.29	ND ND	<u> </u>	<u> </u>		5563.49 5563.10		
	12.20.12	ND ND	16.29	ND ND	ł			5563.10		
	3.20.13	ND	15.97	ND				5563.42		
	6.19.13	15.96	16.40	0.44	1					5563.31
	9.17.13	16.40	16.54	0.14				5562.95		
	12.16.13	16.14	16.22	0.08			5579.39	5563.23		
	3.14.14 9.9.14	ND ND	15.89 16.50	ND ND				5563.50 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		
MW-2*	9.16.16	ND	16.61	ND	25.62	10.62-25.62		5562.54		
	12.19.16 6.27.17	ND ND	16.35 15.95	ND ND	ł			5562.80 5563.20		
	1.09.18	ND	16.13	ND ND	1			5563.02		
	6.21.18	ND	16.19	ND	1			5562.96		
	12.13.18	ND	16.45	ND	1		5579.15	5562.70		
	8.20.19	ND	16.52	ND			0070.10	5562.63		
	1.07.20 6.4.20	ND ND	16.35 16.16	ND ND				5562.80 5562.99		
	11.24.20	ND	16.62	ND	1			5562.53		
	6.23.21	ND	16.43	ND]			5562.72		
	12.13.21	ND	16.47	ND				5562.68		
	9.7.12	ND	15.98	ND	I			5563.54		
	12.20.12 3.20.13	ND ND	15.79 15.50	ND ND	ł			5563.73 5564.02		
	6.19.13	ND	15.66	ND ND				5563.86		
	9.18.13	ND	15.96	ND]			5563.56		
	12.16.13	ND	15.70	ND			5579.52	5563.82		
	3.14.14	ND	15.39	ND				5564.13		
	9.9.14 6.10.15	ND ND	16.10 15.28	ND ND	ł			5563.42 5564.24		
	12.04.15	ND ND	15.28	ND ND	1			5563.65		
	6.02.16	ND	15.47	ND	1			5564.05		
MW-3*	9.16.16	ND	16.24	ND	25.57	10.57-25.57		5563.00		
	12.19.16	ND	15.87	ND				5563.37		
	6.27.17 1.09.18	ND ND	15.45 15.65	ND ND	1			5563.79 5563.59		
	6.21.18	ND	15.76	ND ND	1			5563.48		
	12.13.18	ND	15.97	ND	1		5570.24	5563.27		
	8.20.19	ND	16.14	ND			5579.24	5563.10		
	1.07.20	ND	15.85	ND	l			5563.39		
	6.4.20 11.24.20	ND ND	15.69 16.13	ND ND	ł			5563.55 5563.11		
	6.23.21	ND ND	16.02	ND ND	ł			5563.22		
	12.13.21	ND	15.98	ND	<u> </u>			5563.26		
	-	_	-		-	-				



TABLE 2 Trunk 6C Kutz Wash GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater			
		Product (feet BTOC)	(feet BTOC)	Thickness	Well (feet BTOC)	(feet BTOC)	(feet AMSL)	Elevation* (feet AMSL)			
		(leet BTOC)	(leet BTOC)		(leet B10C)	(leet BTOC)	(IEEL AWSL)	(IEEL AWISE)			
	9.7.12	ND	15.59	ND				5564.77			
	12.20.12	ND	15.51	ND				5564.85			
	3.20.13 6.19.13	ND ND	15.25 15.41	ND ND	1			5565.11 5564.95			
	9.18.13	ND	15.74	ND	1		5580.36	5564.62			
	12.16.13	ND	15.45	ND				5564.91			
	3.14.14 9.9.14	ND ND	15.14 15.80	ND ND	-			5565.22 5564.56			
	6.10.15	ND	15.06	ND						5565.30	
	12.04.15	ND	15.56	ND				5564.80			
NAVA / 4*	6.02.16	ND	15.22	ND	05.00	40.00.05.00		5565.14			
MW-4*	9.16.16 12.19.16	ND ND	15.92 15.55	ND ND	25.26	10.26-25.26		5564.03 5564.40			
	6.27.17	ND	15.22	ND				5564.73			
	1.09.18	ND	15.34	ND	l			5564.61			
	6.21.18	ND	15.45	ND				5564.50			
	12.13.18 8.20.19	ND ND	15.60 15.80	ND ND			5579.95	5564.35 5564.15			
	1.07.20	ND	15.50	ND	1			5564.45			
	6.4.20	ND	15.41	ND	1			5564.54			
	11.24.20	ND	15.80	ND ND	ł			5564.15			
	6.23.21 12.13.21	ND ND	15.73 15.66	ND ND	ł			5564.22 5564.29			
	9.7.12	ND	19.35	ND				5564.18			
	12.20.12	ND	19.28	ND				5564.25			
	3.20.13	ND	19.10	ND ND	4		1				5564.43
	6.19.13 9.17.13	ND ND	19.21 19.55	ND ND				5564.32 5563.98			
	12.16.13	ND	19.28	ND	25.58		5583.53	5564.25			
	3.14.14	ND	19.03	ND				5564.50			
	9.9.14	ND	19.58	ND				5563.95			
	6.10.15 12.04.15	ND ND	18.98 19.41	ND ND				5564.55 5564.12			
	6.02.16	ND	19.08	ND		10.58-25.58		5564.45			
MW-5*	9.16.16	ND	19.69	ND				5563.72			
	12.19.16 6.27.17	ND ND	19.42 19.12	ND ND				5563.99 5564.29			
	1.09.18	ND ND	19.22	ND ND				5564.19			
	6.21.18	ND	19.27	ND				5564.14			
	12.13.18	ND	19.44	ND			5583.41	5563.97			
	8.20.19 1.07.20	ND ND	19.60 19.39	ND ND				5563.81 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 ND				5563.86			
	9.7.12 12.20.12	ND ND	18.55 18.49	ND ND	ł			5563.67 5563.73			
	3.20.13	ND	18.27	ND	1			5563.95			
	6.19.13	ND	18.38	ND				5563.84			
	9.18.13 12.16.13	ND ND	18.74 18.46	ND ND			5582.22	5563.48 5563.76			
	3.14.14	ND	18.21	ND ND	1		0002.22	5564.01			
	9.9.14	ND	18.75	ND	1			5563.47			
	6.10.15	ND	18.16	ND				5564.06			
	12.04.15 6.02.16	ND ND	18.60 18.25	ND ND	ł			5563.62 5563.97			
MW-6*	9.16.16	ND	18.86	ND ND	25.50	10.50-25.50		5563.12			
	12.19.16	ND	18.61	ND	1			5563.37			
	6.27.17	ND	18.29	ND				5563.69			
	1.09.18 6.21.18	ND ND	18.43 18.47	ND ND	1			5563.55 5563.51			
	12.13.18	ND	18.70	ND ND			EE04.00	5563.28			
	8.20.19	ND	18.79	ND	1		5581.98	5563.19			
	1.07.20	ND	18.61	ND				5563.37			
	6.4.20 11.24.20	ND ND	18.47 18.88	ND ND	1			5563.51 5563.10			
	6.23.21	ND ND	18.74	ND ND	1			5563.10			
	12.13.21	ND	18.78	ND				5563.20			



TABLE 2 Trunk 6C Kutz Wash GROUNDWATER ELEVATIONS

GROUNDWATER ELEVATIONS											
Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater			
		Product (feet BTOC)	(feet BTOC)	Thickness	Well (feet BTOC)	(feet BTOC)	(feet AMSL)	Elevation* (feet AMSL)			
		(1001 21 00)	(lest B100)		(1001 21 00)	(1001 21 00)	(ICCT AMOL)	(loct Allioz)			
	9.7.12	ND	19.03	ND				5563.21			
	12.20.12	ND	18.97	ND				5563.27			
	3.20.13	ND	18.79	ND				5563.45			
	6.19.13 9.17.13	ND ND	18.87 19.22	ND ND				5563.37 5563.02			
	12.16.13	ND	18.46	ND ND			5582.24	5563.78			
	3.14.14	ND	18.73	ND				5563.51			
	9.9.14	ND	19.24	ND				5563.00			
	6.10.15	ND ND	18.65	ND ND				5563.59			
	12.04.15 6.02.16	ND ND	19.10 18.76	ND ND	1			5563.14 5563.48			
MW-7*	9.16.16	ND	19.37	ND	25.85	10.85-25.85		5562.68			
	12.19.16	ND	19.13	ND				5562.92			
	6.27.17	ND	18.80	ND				5563.25			
	1.09.18 6.21.18	ND ND	18.95 18.98	ND ND	ł			5563.10 5563.07			
	12.13.18	ND	19.22	ND ND				5562.83			
	8.20.19	ND	19.31	ND]		5582.05	5562.74			
	1.07.20	ND	19.14	ND				5562.91			
	6.4.20	ND ND	19.00 19.39	ND ND				5563.05 5562.66			
	11.24.20 6.23.21	ND ND	19.39	ND ND	ł			5562.66 5562.79			
	12.13.21	ND	19.31	ND	<u> </u>			5562.74			
	9.7.12	ND	14.96	ND				5562.85			
	12.20.12	ND	14.87	ND				5562.94			
	3.20.13 6.19.13	ND ND	14.63 14.74	ND ND	24.78		-				5563.18 5563.07
	9.18.13	ND	15.08	ND ND				5562.73			
	12.16.13	ND	14.81	ND			5577.81	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 12.04.15	ND ND	14.44 14.97	ND ND		9.78-24.78		5563.37 5562.84			
	6.02.16	ND ND	14.61	ND ND				5563.20			
MW-8*	9.16.16	ND	15.29	ND				5562.18			
	12.19.16	ND	15.00	ND				5562.47			
	6.27.17	ND ND	14.62 14.80	ND ND				5562.85 5562.67			
	1.09.18 6.21.18	ND ND	14.88	ND ND				5562.59			
	12.13.18	ND	15.11	ND	1		EE77 47	5562.36			
	8.20.19	ND	15.22	ND	1		5577.47	5562.25			
	1.07.20	ND	15.00	ND				5562.47			
	6.4.20 11.24.20	ND ND	14.84 15.26	ND ND				5562.63 5562.21			
	6.23.21	ND ND	15.12	ND ND				5562.35			
	12.13.21	ND	15.13	ND				5562.34			
	9.7.12	ND	17.55	ND				5564.93			
	12.20.12	ND ND	17.47 17.28	ND ND	ł			5565.01 5565.20			
	3.20.13 6.19.13	ND ND	17.28 17.42	ND ND	ł			5565.20 5565.06			
	9.17.13	ND	17.74	ND	1			5564.74			
	12.16.13	ND	17.48	ND			5582.48	5565.00			
	3.14.14 9.9.14	ND ND	17.21	ND ND	ł			5565.27			
	6.10.15	ND ND	17.83 17.18	ND ND	ł			5564.65 5565.30			
	12.04.15	ND	17.61	ND	1			5564.87			
	6.02.16	ND	17.30	ND]			5565.18			
MW-9*	9.16.16	ND	17.94	ND	25.78	10.78-25.78		5564.41			
	12.19.16 6.27.17	ND ND	17.60 17.34	ND ND	ł			5564.75 5565.01			
	1.09.18	ND ND	17.40	ND ND				5564.95			
	6.21.18	ND	17.49	ND				5564.86			
	12.13.18	ND	17.63	ND	l		5582.35	5564.72			
	8.20.19	ND ND	17.84 17.57	ND ND	ł			5564.51 5564.78			
	1.07.20 6.4.20	ND ND	17.57 17.48	ND ND	ł			5564.78 5564.87			
	11.24.20	ND	17.84	ND	1			5564.51			
	6.23.21	ND	17.79	ND]			5564.56			
	12.13.21	ND	17.74	ND				5564.61			

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TABLE 2 Trunk 6C Kutz Wash GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater	
		Product (feet BTOC)	(feet BTOC)	Thickness	Well (feet BTOC)	(feet BTOC)	(feet AMSL)	Elevation* (feet AMSL)	
	12.16.13	ND	16.93	ND				5560.87	
	3.14.14	ND	14.63	ND				5563.17	
	9.9.14 6.10.15	ND ND	15.34 14.58	ND ND	4		5577.80	5562.46 5563.22	
	12.04.15	ND ND	15.10	ND ND				5562.70	
	6.02.16	ND	14.74	ND	1			5563.06	
	9.16.16	ND	15.49	ND				5562.61	
	12.19.16 6.27.17	ND ND	15.12 14.73	ND ND				5562.98 5563.37	
MW-10*	1.09.18	ND	14.90	ND	21.36	11.36-21.36		5563.20	
	6.21.18	ND	15.05	ND				5563.05	
	12.13.18 8.20.19	ND ND	15.21 15.38	ND ND	-		5578.10	5562.89 5562.72	
	1.07.20	ND	15.09	ND	1			5563.01	
	6.4.20	ND	14.96	ND	1			5563.14	
	11.24.20 6.23.21	ND ND	15.38 15.27	ND ND	4			5562.72 5562.83	
	12.13.21	ND ND	15.20	ND ND				5562.90	
	12.16.13	ND	15.15	ND				5563.50	
	3.14.14	ND	14.82	ND				5563.83	
	9.9.14 6.10.15	ND ND	15.63 14.76	ND ND	1		5578.65	5563.02 5563.89	
	12.04.15	ND	15.35	ND	1			5563.30	
	6.02.16	ND	14.98	ND	1			5563.67	
	9.16.16 12.19.16	ND ND	15.74 15.35	ND ND				5563.30 5563.69	
MW-11*	6.27.17	ND ND	15.00	ND ND		11.25-21.25		5564.04	
	1.09.18	ND	15.11	ND	21.25			5563.93	
	6.21.18	ND	15.28	ND					5563.76
	12.13.18 8.20.19	ND ND	15.45 15.66	ND ND	- - - - -		5579.04	5563.59 5563.38	
	1.07.20	ND	15.32	ND				5563.72	
	6.4.20	ND	15.16	ND				5563.88	
	11.24.20 6.23.21	ND ND	15.60 15.53	ND ND				5563.44 5563.51	
	12.13.21	ND	15.42	ND				5563.62	
	12.16.13	ND	15.54	ND				5564.45	
	3.14.14 9.9.14	ND ND	15.27 15.96	ND ND				5564.72 5564.03	
	6.10.15	ND ND	15.22	ND ND			5579.99	5564.77	
	12.04.15 ^C		NG		1			NG	
	6.02.16 ^C		NG]			NG	
	9.16.16 ^C		NG					NG	
	12.19.16 ^C		NG		1			NG	
MW-12*	6.27.17 ^C		NG		21.36	11.36-21.36		NG	
	1.09.18 ^c 6.21.18 ^c		NG NG		•			NG NG	
	12.13.18 ^C		NG		1			NG	
	8.20.19 ^C		NG		1		5580.28	NG	
	1.07.20 ^C		NG]			NG	
	6.4.20 ^C		NG	· · · · · ·	1			NG	
	11.24.20 ^C		NG		4			NG	
	6.23.21 ^c		NG		1			NG	
		ND	NG 19.88	ND	<u> </u>	<u> </u>		NG 5563.15	
	12.16.13 3.14.14	ND ND	19.63	ND ND	1			5563.40	
	9.9.14	ND	20.18	ND	1		5583.03	5562.85	
	6.10.15 12.04.15	ND ND	19.57	ND ND	4		2220.00	5563.46 5563.02	
	6.02.16	ND ND	20.01 19.67	ND ND	1			5563.02	
	9.16.16	ND	20.27	ND	1			5563.07	
	12.19.16	ND ND	20.03	ND	4			5563.31	
MW-13*	6.27.17 1.09.18	ND ND	19.74 19.85	ND ND	25.26	15.26-25.26		5563.60 5563.49	
	6.21.18	ND ND	19.89	ND	1			5563.45	
	12.13.18	ND	20.13	ND	1		5583.34	5563.21	
	8.20.19 1.07.20	ND ND	20.22	ND ND	-			5563.12 5563.32	
	6.4.20	ND ND	19.89	ND ND	1			5563.45	
	11.24.20	ND	20.28	ND	1			5563.06	
	6.23.21	ND ND	20.16	ND	1			5563.18	
	12.14.21	ND	20.19	ND	<u> </u>	<u> </u>		5563.15	



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-14	9.16.16	ND	14.48	ND		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	23.01			5562.29
	12.13.18	ND	14.33	ND				5562.06
	8.20.19	ND	14.43	ND	20.01			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
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
	9.16.16	ND	16.02	ND		12.95-22.95	5579.86	5563.84
	12.19.16	ND	15.68	ND	Ĭ			5564.18
MW-17	6.27.17	ND	15.30	ND ND				5564.56
	1.09.18	ND	15.45	ND ND				5564.41
	6.21.18	ND	15.55	ND				5564.31
	12.13.18	ND	15.72	ND	22.95			5564.14
	8.20.19	ND	15.91	ND ND				5563.95
	1.07.20	ND	15.62	ND				5564.24
	6.4.20	ND	15.51	ND	ł			5564.35
	11.24.20	ND ND	15.90	ND	ł			5563.96
	6.23.21 12.13.21	ND ND	15.84 15.77	ND ND	I			5564.02 5564.09
BTOC - below top of ca		טא	13.77	טאו	<u> </u>			3304.09

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.



APPENDIX C

Laboratory Data Sheets & Chain of Custody Documentation

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109



July 02, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Trunk 6C OrderNo.: 2106C73

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 6/24/2021 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: **2106C73**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Lab Order: 2106C73

Project: Trunk 6C

Lab ID: 2106C73-001 **Collection Date:** 6/23/2021 10:35:00 AM

Client Sample ID: MW-14 Matrix: AQUEOUS

Analyses Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA ND 1.0 6/29/2021 7:22:00 PM SL7944 Benzene μg/L 1 Toluene ND 1.0 μg/L 1 6/29/2021 7:22:00 PM SL7944 ND Ethylbenzene 1.0 μg/L 1 6/29/2021 7:22:00 PM SL7944 Xylenes, Total ND 6/29/2021 7:22:00 PM SL7944 1.5 μg/L 1 109 70-130 Surr: 1,2-Dichloroethane-d4 %Rec 1 6/29/2021 7:22:00 PM SL7944 Surr: Dibromofluoromethane 70-130 %Rec 108 6/29/2021 7:22:00 PM SL7944 Surr: Toluene-d8 95.4 70-130 %Rec 6/29/2021 7:22:00 PM SL7944

Lab ID: 2106C73-002 **Collection Date:** 6/23/2021 11:15:00 AM

Client Sample ID: MW-15 Matrix: AQUEOUS

Analyses Result **RL Oual Units DF** Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 6/29/2021 7:45:00 PM SL7944 μg/L 1 Toluene ND 1.0 μg/L 1 6/29/2021 7:45:00 PM SL7944 Ethylbenzene SL7944 1.8 1.0 μg/L 1 6/29/2021 7:45:00 PM Xylenes, Total 29 1.5 μg/L 1 6/29/2021 7:45:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 %Rec 105 70-130 1 6/29/2021 7:45:00 PM SL7944 Surr: Dibromofluoromethane 104 70-130 %Rec 6/29/2021 7:45:00 PM SL7944 Surr: Toluene-d8 96.0 70-130 %Rec 6/29/2021 7:45:00 PM SL7944

Lab ID: 2106C73-003 **Collection Date:** 6/23/2021 11:45:00 AM

Client Sample ID: MW-8 Matrix: AQUEOUS

Result **RL Qual Units DF** Date Analyzed **Batch ID** Analyses **EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 μg/L 6/29/2021 8:08:00 PM SL7944 1 Toluene ND 1.0 μg/L 1 6/29/2021 8:08:00 PM SL7944 Ethylbenzene ND 1.0 μg/L 1 6/29/2021 8:08:00 PM SL7944 Xylenes, Total ND 1.5 μg/L 1 6/29/2021 8:08:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 107 70-130 %Rec 1 6/29/2021 8:08:00 PM SL7944 Surr: Dibromofluoromethane 106 70-130 %Rec 1 6/29/2021 8:08:00 PM SL7944 Surr: Toluene-d8 93.9 70-130 %Rec 6/29/2021 8:08:00 PM SL7944

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

Analytical Report

Lab Order: **2106C73**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Lab Order: 2106C73

Project: Trunk 6C

Lab ID: 2106C73-004 **Collection Date:** 6/23/2021 12:20:00 PM

Client Sample ID: MW-2 Matrix: AQUEOUS

Analyses Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA ND 1.0 6/29/2021 8:31:00 PM SL7944 Benzene μg/L 1 Toluene ND 1.0 μg/L 1 6/29/2021 8:31:00 PM SL7944 ND Ethylbenzene 1.0 μg/L 1 6/29/2021 8:31:00 PM SL7944 Xylenes, Total ND 6/29/2021 8:31:00 PM SL7944 1.5 μg/L 1 70-130 Surr: 1,2-Dichloroethane-d4 110 %Rec 1 6/29/2021 8:31:00 PM SL7944 Surr: Dibromofluoromethane 70-130 %Rec 107 6/29/2021 8:31:00 PM SL7944 Surr: Toluene-d8 94.0 70-130 %Rec 6/29/2021 8:31:00 PM SL7944

Lab ID: 2106C73-005 **Collection Date:** 6/23/2021 12:50:00 PM

Client Sample ID: MW-3 Matrix: AQUEOUS

Analyses Result **RL Oual Units DF** Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 6/29/2021 8:54:00 PM SL7944 μg/L 1 Toluene ND 1.0 μg/L 1 6/29/2021 8:54:00 PM SL7944 Ethylbenzene ND SL7944 1.0 μg/L 1 6/29/2021 8:54:00 PM Xylenes, Total ND 1.5 μg/L 1 6/29/2021 8:54:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 %Rec 109 70-130 1 6/29/2021 8:54:00 PM SL7944 Surr: Dibromofluoromethane 107 70-130 %Rec 6/29/2021 8:54:00 PM SL7944 Surr: Toluene-d8 95.5 70-130 %Rec 6/29/2021 8:54:00 PM SL7944

Lab ID: 2106C73-006 **Collection Date:** 6/23/2021 1:45:00 PM

Client Sample ID: MW-7 Matrix: AQUEOUS

Result **RL Qual Units DF** Date Analyzed **Batch ID** Analyses **EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 μg/L 6/29/2021 9:17:00 PM SL7944 1 Toluene ND 1.0 μg/L 1 6/29/2021 9:17:00 PM SL7944 Ethylbenzene ND 1.0 μg/L 1 6/29/2021 9:17:00 PM SL7944 Xylenes, Total ND 1.5 μg/L 1 6/29/2021 9:17:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 107 70-130 %Rec 1 6/29/2021 9:17:00 PM SL7944 Surr: Dibromofluoromethane 105 70-130 %Rec 1 6/29/2021 9:17:00 PM SL7944 Surr: Toluene-d8 95.7 70-130 %Rec 6/29/2021 9:17:00 PM SL7944

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 4

Analytical Report

Lab Order: **2106C73**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Lab Order: 2106C73

Project: Trunk 6C

Lab ID: 2106C73-007 **Collection Date:** 6/23/2021 2:10:00 PM

Client Sample ID: MW-10 Matrix: AQUEOUS

Analyses Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA ND 6/29/2021 9:40:00 PM SL7944 Benzene 1.0 μg/L 1 Toluene ND 1.0 μg/L 1 6/29/2021 9:40:00 PM SL7944 ND Ethylbenzene 1.0 μg/L 1 6/29/2021 9:40:00 PM SL7944 Xylenes, Total ND 6/29/2021 9:40:00 PM SL7944 1.5 μg/L 1 107 70-130 Surr: 1,2-Dichloroethane-d4 %Rec 1 6/29/2021 9:40:00 PM SL7944 Surr: Dibromofluoromethane 107 70-130 %Rec 6/29/2021 9:40:00 PM SL7944 Surr: Toluene-d8 94.2 70-130 %Rec 6/29/2021 9:40:00 PM SL7944

Lab ID: 2106C73-008 **Collection Date:** 6/23/2021 2:30:00 PM

Client Sample ID: MW-11 Matrix: AQUEOUS

Analyses Result **RL Oual Units DF** Date Analyzed **Batch ID EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 6/29/2021 10:03:00 PM SL7944 μg/L Toluene ND 1.0 μg/L 1 6/29/2021 10:03:00 PM SL7944 Ethylbenzene ND 6/29/2021 10:03:00 PM SL7944 1.0 μg/L 1 Xylenes, Total ND 1.5 μg/L 1 6/29/2021 10:03:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 %Rec 106 70-130 1 6/29/2021 10:03:00 PM SL7944 Surr: Dibromofluoromethane 107 70-130 %Rec 6/29/2021 10:03:00 PM SL7944 Surr: Toluene-d8 93.9 70-130 %Rec 6/29/2021 10:03:00 PM SL7944

Lab ID: 2106C73-009 **Collection Date:** 6/23/2021 2:50:00 PM

Client Sample ID: MW-13 Matrix: AQUEOUS

Result **RL Qual Units DF** Date Analyzed **Batch ID** Analyses **EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 μg/L 6/29/2021 10:26:00 PM SL7944 1 Toluene ND 1.0 μg/L 1 6/29/2021 10:26:00 PM SL7944 Ethylbenzene ND 1.0 μg/L 1 6/29/2021 10:26:00 PM SL7944 Xylenes, Total ND 1.5 μg/L 1 6/29/2021 10:26:00 PM SL7944 Surr: 1,2-Dichloroethane-d4 109 70-130 %Rec 1 6/29/2021 10:26:00 PM SL7944 Surr: Dibromofluoromethane 103 70-130 %Rec 1 6/29/2021 10:26:00 PM SL7944 Surr: Toluene-d8 94.1 70-130 %Rec 6/29/2021 10:26:00 PM SL7944

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2106C73**

02-Jul-21

Client: ENSOLUM
Project: Trunk 6C

Sample ID: 100ng 8260 lcs	SampType: LCS			TestCode: EPA Method 8260: Volatiles Short List							
Client ID: LCSW	Batch ID: SL79440			F	RunNo: 7 9	9440					
Prep Date:	Analysis Date: 6/29/2021		SeqNo: 2792518			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	22	1.0	20.00	0	110	70	130				
Toluene	20	1.0	20.00	0	98.7	70	130				
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130				
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130				
Surr: Dibromofluoromethane	10		10.00		101	70	130				
Surr: Toluene-d8	9.5		10.00		95.3	70	130				

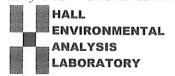
Sample ID: mb	SampType: MBLK Batch ID: SL79440			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: PBW				RunNo: 79440						
Prep Date:	Analysis D	Date: 6/	29/2021	9	SeqNo: 2	792519	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.9	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.3		10.00		92.9	70	130			

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENSOLUM** Work Order Number: 2106C73 RcptNo: 1 Received By: Juan Rojas 6/24/2021 7:50:00 AM Completed By: Chevenne Cason 6/24/2021 9:34:18 AM SPA 6.24.21 Reviewed By: 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 🗌 No Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 Yes 🗸 5. Sample(s) in proper container(s)? Yes 🗸 No No 6. Sufficient sample volume for indicated test(s)? Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗌 Yes 🗸 8. Was preservative added to bottles? Yes 🗌 No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No NA 🗌 Yes 🗸 Yes 🗌 10. Were any sample containers received broken? No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 Checked by: TC. 6.24-21 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) 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 2.1 Good

	. >) =	C D: 9						(N	10 Y	ir Bubbles (<u>age 37</u>
	ENVIRONMENT	ANALTSIS LABORALOR	environmental.com	, ININI O7 109	505-545-4107	169			(AOV) 80828												3
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Turn-Around Time:	☑ Standard □ Rush		Trunkler	Project #:	054127/KI	Project Manager:		K. Symmers	Sampler: (Oanie!/	Temperature: 0.3	Container Preservative Type and # Type 2106.73	N .	3x46millor Macly 002	3x 43m LVON Hally 003	3x Yaullion Hally Coy	3x youlder Hall 005	3x Handlest Hall, Cos	32 Houlder Hall 6007	3xylandlar Hach 008	3x 4smellor Halls Oog		Received by: Control Control 1545 1	Received by: Date Time
Chain-of-Custody Record	LLC.		Ru Grando Suite A			Project Manage		☐ Level 4 (Full Validation)			Sample Request ID	NW-14	WW-15	MW-8	MW-2	MW-3	MW-7	MW-10	MW	MW-13		rby:	I Drive
of-Cu	Insolum		606 5	3		7			□ Other		Matrix	3	3	3	3	3	3	3	3	3		Relinquished by:	Relinquished by:
hain-	17		Mailing Address:	7	#:	r Fax#:	QA/QC Package:	dard	itation AP	EDD (Type)	Time	10:35	11:15	54:11	02:21	12:50	13:45	14:10	14:30	14:50		Time: F	Time: R
Color	Client:		Mailing	AA	Phone #	email or Fax#:	QA/QC	Standard	Accreditation	□ EDD	Date	(d/23/h	4/2/19	1/2/2	Stah	123/21	123/21	J2/2	12/21	lish		Date: 1/2/21	Date:



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

July 06, 2021

Kyle Summers
ENSOLUM
606 S Rio Grande Ste A
Aztec, NM 87410
TEL:
FAX:

RE: Trunk 6-C OrderNo.: 2106D63

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/25/2021 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: ENSOLUM

Analytical Report
Lab Order 2106D63

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-6

 Project:
 Trunk 6-C
 Collection Date: 6/24/2021 8:20:00 AM

 Lab ID:
 2106D63-001
 Matrix: AQUEOUS
 Received Date: 6/25/2021 7:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 μg/L 7/1/2021 3:46:00 AM R79476 Toluene ND 1.0 μg/L 7/1/2021 3:46:00 AM R79476 Ethylbenzene ND 1.0 μg/L 7/1/2021 3:46:00 AM R79476 Xylenes, Total ND 1.5 μg/L 7/1/2021 3:46:00 AM R79476 Surr: 1,2-Dichloroethane-d4 93.9 70-130 %Rec 7/1/2021 3:46:00 AM R79476 Surr: Dibromofluoromethane 90.8 70-130 %Rec 1 7/1/2021 3:46:00 AM R79476 Surr: Toluene-d8 95.4 70-130 %Rec 7/1/2021 3:46:00 AM R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Analytical Report
Lab Order 2106D63

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 Trunk 6-C
 Collection Date: 6/24/2021 8:50:00 AM

 Lab ID:
 2106D63-002
 Matrix: AQUEOUS
 Received Date: 6/25/2021 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: RAA
Benzene	ND	1.0	μg/L	1	7/1/2021 4:09:00 AM	R79476
Toluene	ND	1.0	μg/L	1	7/1/2021 4:09:00 AM	R79476
Ethylbenzene	ND	1.0	μg/L	1	7/1/2021 4:09:00 AM	R79476
Xylenes, Total	ND	1.5	μg/L	1	7/1/2021 4:09:00 AM	R79476
Surr: 1,2-Dichloroethane-d4	96.5	70-130	%Rec	1	7/1/2021 4:09:00 AM	R79476
Surr: Dibromofluoromethane	92.5	70-130	%Rec	1	7/1/2021 4:09:00 AM	R79476
Surr: Toluene-d8	93.6	70-130	%Rec	1	7/1/2021 4:09:00 AM	R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Analytical ReportLab Order **2106D63**

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-9

 Project:
 Trunk 6-C
 Collection Date: 6/24/2021 9:25:00 AM

 Lab ID:
 2106D63-003
 Matrix: AQUEOUS
 Received Date: 6/25/2021 7:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 1.0 μg/L 7/1/2021 4:32:00 AM R79476 Toluene ND 1.0 μg/L 7/1/2021 4:32:00 AM R79476 Ethylbenzene ND 1.0 μg/L 7/1/2021 4:32:00 AM R79476 Xylenes, Total ND 1.5 μg/L 7/1/2021 4:32:00 AM R79476 Surr: 1,2-Dichloroethane-d4 97.7 70-130 %Rec 7/1/2021 4:32:00 AM R79476 Surr: Dibromofluoromethane 90.5 70-130 %Rec 1 7/1/2021 4:32:00 AM R79476 Surr: Toluene-d8 95.2 70-130 %Rec 7/1/2021 4:32:00 AM R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

CLIENT: ENSOLUM

Analytical ReportLab Order **2106D63**

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-4

Project: Trunk 6-C Collection Date: 6/24/2021 9:55:00 AM

Lab ID: 2106D63-004 **Matrix:** AQUEOUS **Received Date:** 6/25/2021 7:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	t: RAA
Benzene	ND	1.0	μg/L	1	7/1/2021 4:55:00 AM	R79476
Toluene	ND	1.0	μg/L	1	7/1/2021 4:55:00 AM	R79476
Ethylbenzene	ND	1.0	μg/L	1	7/1/2021 4:55:00 AM	R79476
Xylenes, Total	ND	1.5	μg/L	1	7/1/2021 4:55:00 AM	R79476
Surr: 1,2-Dichloroethane-d4	95.9	70-130	%Rec	1	7/1/2021 4:55:00 AM	R79476
Surr: Dibromofluoromethane	91.4	70-130	%Rec	1	7/1/2021 4:55:00 AM	R79476
Surr: Toluene-d8	93.9	70-130	%Rec	1	7/1/2021 4:55:00 AM	R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: ENSOLUM

Analytical Report
Lab Order 2106D63

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-17

 Project:
 Trunk 6-C
 Collection Date: 6/24/2021 10:30:00 AM

 Lab ID:
 2106D63-005
 Matrix: AQUEOUS
 Received Date: 6/25/2021 7:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA Benzene 13 1.0 μg/L 7/1/2021 5:18:00 AM R79476 Toluene ND 1.0 μg/L 7/1/2021 5:18:00 AM R79476 Ethylbenzene ND 1.0 μg/L 7/1/2021 5:18:00 AM R79476 Xylenes, Total ND 1.5 μg/L 7/1/2021 5:18:00 AM R79476 Surr: 1,2-Dichloroethane-d4 96.3 70-130 %Rec 7/1/2021 5:18:00 AM R79476 Surr: Dibromofluoromethane 91.7 70-130 %Rec 1 7/1/2021 5:18:00 AM R79476 Surr: Toluene-d8 94.8 70-130 %Rec 7/1/2021 5:18:00 AM R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2106D63

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1

 Project:
 Trunk 6-C
 Collection Date: 6/24/2021 11:05:00 AM

 Lab ID:
 2106D63-006
 Matrix: AQUEOUS
 Received Date: 6/25/2021 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: RAA
Benzene	750	20	μg/L	20	7/1/2021 5:42:00 AM	R79476
Toluene	540	20	μg/L	20	7/1/2021 5:42:00 AM	R79476
Ethylbenzene	72	2.0	μg/L	2	7/1/2021 6:05:00 AM	R79476
Xylenes, Total	230	3.0	μg/L	2	7/1/2021 6:05:00 AM	R79476
Surr: 1,2-Dichloroethane-d4	96.1	70-130	%Rec	2	7/1/2021 6:05:00 AM	R79476
Surr: Dibromofluoromethane	90.4	70-130	%Rec	2	7/1/2021 6:05:00 AM	R79476
Surr: Toluene-d8	96.8	70-130	%Rec	2	7/1/2021 6:05:00 AM	R79476

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

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D63**

06-Jul-21

Client: ENSOLUM
Project: Trunk 6-C

Sample ID: 100ng 8260 lcs2	SampT	ype: LC	S	TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW	Batch	Batch ID: R79476			RunNo: 79476					
Prep Date:	Analysis D	ate: 7/	1/2021	SeqNo: 2795331			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.8	70	130			
Toluene	19	1.0	20.00	0	96.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.7	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.2	70	130			
Surr: Dibromofluoromethane	9.0		10.00		90.5	70	130			
Surr: Toluene-d8	9.4		10.00		93.8	70	130			

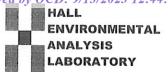
Sample ID: MB 2	SampT	ype: ME	BLK	TestCode: EPA Method 8260: Volatiles Short List							
Client ID: PBW	Batcl	n ID: R7	9476	F	RunNo: 79476						
Prep Date:	Analysis D	ate: 7/	1/2021	8	SeqNo: 2	795332	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	1.0									
Toluene	ND	1.0									
Ethylbenzene	ND	1.0									
Xylenes, Total	ND	1.5									
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.4	70	130				
Surr: 4-Bromofluorobenzene	9.3		10.00		93.2	70	130				
Surr: Dibromofluoromethane	9.3		10.00		92.6	70	130				
Surr: Toluene-d8	9.3		10.00		92.7	70	130				

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOI	_UM	Work Order Number:	2106D63		RcptNo: 1	
Received By: Juan	Rojas	6/25/2021 7:00:00 AM		Human g		
Completed By: Sean	Livingston	6/25/2021 9:10:51 AM		Granzago Sal		
Reviewed By: JQ	C/25/21			JU1	John	
Chain of Custody						
1. Is Chain of Custody co	omplete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample of	delivered?		Courier			
Log In 3. Was an attempt made	to cool the samples?		Yes 🗸	No 🗌	NA 🗌	
4. Were all samples rece	ived at a temperature o	of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper co	ontainer(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volur	me for indicated test(s)	?	Yes 🗸	No 🗌		
7. Are samples (except V	OA and ONG) properly	preserved?	Yes 🗸	No 🗌		
8. Was preservative adde	ed to bottles?		Yes	No 🗸	NA 🗌	
9. Received at least 1 via	I with headspace <1/4"	for AQ VOA?	Yes 🗸	No 🗌	NA 🗌	
10. Were any sample cont	tainers received broken	?	Yes	No 🗸	# of preserved	70
11. Does paperwork match (Note discrepancies on			Yes 🗸	No 🗆	bottles checked for pH:	6・7S・2/ 2 unless noted)
12. Are matrices correctly i	identified on Chain of C	ustody?	Yes 🗸	No 🗌	Adjusted?	
13. Is it clear what analyse	s were requested?		Yes 🗸	No 🗌		
Were all holding times (If no, notify customer f			Yes 🗸	No 🗌	Checked by:	
Special Handling (if a						`
15. Was client notified of a		is order?	Yes	No 🗌	NA 🗹	
Person Notified: By Whom: Regarding: Client Instruction		Date: Via:	eMail	Phone Fax	☐ In Person	
16. Additional remarks:						
17. Cooler Information Cooler No Temp 1 0.1	°C Condition Sea	al Intact Seal No Se	eal Date	Signed By		

Received by OCD: 9/13/2022	(И ло Y) səlddu8 ліА (У ог И)	Page 47 of 1
TAL		
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HALL ENVIRON INALYSIS LAB www.hallenvironmental.com ns NE - Albuquerque, NM 8 5-3975 Fax 505-345-41	8260 F 2005 (VOA)	Ill be clearly notated on the
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HALL ANAL www.hall kins NE - 45-3975	EDB (Method 504.1)	Q Date
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Tel.	BTEX + MTBE + TPH (Gas only TPH (Gas only MRO	irks:
	BLEX + WIBE + LIMB,2 (8051)	Remarks:
	7-5 11 10 00-0-1 10-0-1	Date Time 124 2 1530 Date Time 27 2 710
Time:	artive of the last	Manufactures. The
Turn-Around Time: Standard Project Name: Trynk C	Sampler: L. D. Sampler: L. D. Sampler: L. D. Sampler: L. D. Sample Temperature: Type and # Type 3x ybm LVbA HACL	Received by: Rebeived by:
Chain-of-Custody Record Ensolum, LLC g Address: 666 5. R. & Grande, Suited etc. NN 874/0 etc.	Sample Request ID MW-5 MW-7 MW-17 MW-17	Time: Relinquished by: Received by: Receiv
Solum Solum NN E	Matrix Matrix 3 3 3 3 3 3	Relinquished by: Relinquished by:
Chain- Client: Ensa	Accreditation □ Standard Accreditation □ NELAP □ EDD (Type) □ EDD (Type) □ Hyll 8:20 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50 14 21 8:50	Time: Time: Time:
Released to Imaging: 9/15/2		Date:



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

December 21, 2021

Kyle Summers
ENSOLUM
606 S Rio Grande Ste A
Aztec, NM 87410
TEL:
FAX:

RE: Trunk 6C OrderNo.: 2112847

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/14/2021 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-15

 Project:
 Trunk 6C
 Collection Date: 12/13/2021 12:20:00 PM

 Lab ID:
 2112847-001
 Matrix: AQUEOUS
 Received Date: 12/14/2021 8:10:00 AM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 4:22:44 PM	И В84607
Toluene	ND	1.0	μg/L	1	12/16/2021 4:22:44 PM	M B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 4:22:44 PM	M B84607
Xylenes, Total	11	2.0	μg/L	1	12/16/2021 4:22:44 PM	M B84607
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	12/16/2021 4:22:44 PM	M B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-14

 Project:
 Trunk 6C
 Collection Date: 12/13/2021 12:55:00 PM

 Lab ID:
 2112847-002
 Matrix: AQUEOUS
 Received Date: 12/14/2021 8:10:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 4:46:13 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 4:46:13 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 4:46:13 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 4:46:13 PM B84607 Surr: 4-Bromofluorobenzene 95.0 70-130 %Rec 12/16/2021 4:46:13 PM B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-8

 Project:
 Trunk 6C
 Collection Date: 12/13/2021 1:25:00 PM

 Lab ID:
 2112847-003
 Matrix: AQUEOUS
 Received Date: 12/14/2021 8:10:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 6:20:11 PI	M B84607
Toluene	ND	1.0	μg/L	1	12/16/2021 6:20:11 PI	M B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 6:20:11 PI	M B84607
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 6:20:11 PI	M B84607
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	12/16/2021 6:20:11 PI	M B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

Project: Trunk 6C **Collection Date:** 12/13/2021 1:50:00 PM

Lab ID: 2112847-004 **Matrix:** AQUEOUS **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	M B84607
Toluene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	M B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	M B84607
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 6:43:35 PM	M B84607
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	12/16/2021 6:43:35 PM	И B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-10

Project: Trunk 6C Collection Date: 12/13/2021 2:00:00 PM Lab ID: 2112847-005 Matrix: AQUEOUS Received Date: 12/14/2021 8:10:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 7:07:04 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 7:07:04 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 7:07:04 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 7:07:04 PM B84607 Surr: 4-Bromofluorobenzene 98.2 70-130 %Rec 12/16/2021 7:07:04 PM B84607

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 5 of 7

Date Reported: 12/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-11

 Project:
 Trunk 6C
 Collection Date: 12/13/2021 2:20:00 PM

 Lab ID:
 2112847-006
 Matrix: AQUEOUS
 Received Date: 12/14/2021 8:10:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 7:30:32 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 7:30:32 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 7:30:32 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 7:30:32 PM B84607 Surr: 4-Bromofluorobenzene 95.4 70-130 %Rec 12/16/2021 7:30:32 PM B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112847**

21-Dec-21

Client: ENSOLUM
Project: Trunk 6C

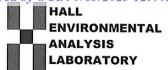
Sample ID: mb	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBW	lient ID: PBW Batch ID: B84607			F	RunNo: 84						
Prep Date:	Analysis D	oate: 12	2/16/2021	9	SeqNo: 29	974198	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	1.0									
Toluene	ND	1.0									
Ethylbenzene	ND	1.0									
Xylenes, Total	ND	2.0									
Surr: 4-Bromofluorobenzene	18		20.00		91.9	70	130				

Sample ID: 100ng btex lcs	SampT	ype: LC	S	Tes						
Client ID: LCSW	Batch	n ID: B8	4607	F	RunNo: 8	4607				
Prep Date:	Analysis D	ate: 12	2/16/2021	S	SeqNo: 2	974199	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.4	80	120			
Toluene	19	1.0	20.00	0	93.6	80	120			
Ethylbenzene	18	1.0	20.00	0	92.5	80	120			
Xylenes, Total	55	2.0	60.00	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		96.2	70	130			

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM	Work Order Numl	per: 2112847		RcptNo: 1	
Received By: Desiree Dominguez	12/14/2021 8:10:00	AM	D3		
Completed By: Sean Livingston	12/14/2021 9:34:27	AM	Sala	nt-	
Reviewed By: KPG 12/14	U				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
<u>Log In</u> 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	y 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 broke	n?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels?		Yes 🗸		oottles checked for pH:	
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of	Custodus	Yes 🗸	No 🗆	(<2 of >1) Adjusted?	2 unless noted)
13. Is it clear what analyses were requested?	Custody?	Yes ✔ Yes ✔	No 🗆		
14. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	12/14/2
(If no, notify customer for authorization.) Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail P	hone Fax	In Person	
Regarding:				Marie Court Court Court of the	
Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
Proposition of Proposition Control of the Control o	eal Intact Seal No	Seal Date	Signed By		
1 0.5 Good	-				

Received by OCD:	9/13/202	3 12	:44:5	8 PM	1				Т							\neg	T	1	Page 57	of 159
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	37109 07		SO ₄	MIS(4.1) 10 ₂ , 10 10 10 10 10 10 10 10 10 10 10 10 10	10 or 13 or 03, 03,	etho y 83° r, N r, N (AO)	8081 Pe EDB (M PAHs b RCRA 8 CI, F, B 8260 (V 8270 (S											Bill to Erschur	
	490′ Tel.		(OAI	N / O) / DB	ово	12D(08:H9T			4 200 500								Remarks:	oility. Any
	-		(120)8) s	TMB	/3E		\ X∃T8	X	×	X	X	X	X					<u>Re</u>	his possit
d Time: d □ Rush_ ne:	ik 60	1226011	ager:	Summers	Q	A res	P(including CF): 0.5 +0.0=0.5 (°C)	Preservative Type ZIIZ SUL	- HaCh	Halb	Kan	- Hally any	Hall 005	+ Haby Out	ſ.				Viaf Date Time Via: Date Time	Courier $12/14/z/$ 8:10 accredited laboratories. This serves as notice of the
Turn-Around T	Project #:	05A	Project Manager:	Ý	<u>:</u>	# of Coolers:	Cooler Temp(including cF):	Container Type and #	3x YOULVEA	3x40mllor	3×40mU/cd	3.4 and los	2x-yould	3×40mLVD				<	Received by:	intracted to other a
Client: Ensolven, LLC	Mailing Address: 606 S. Rie Grande, Sules	Phone #:	email or Fax#: Ksin mouse Consoling	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance	□ EDD (Type)		Date Time Matrix Sample Name	12/3/21 12:20 W MW-15	2/2/21 12:55 W WW-14	2/3/21 13:25 W MW-B	442 13 50 W MW-2	12/13/21 14:00 W MW-10	11-MM N 25 MM-11				: : : : : : : : : : : : : : : : : : :	Relinquished by:	132 130 4 West 2010 4 10 West 2010 187 197 197 1970 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.



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

December 22, 2021

Kyle Summers
ENSOLUM
606 S Rio Grande Ste A
Aztec, NM 87410
TEL:
FAX:

RE: Trunk 6C OrderNo.: 2112926

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 12/15/2021 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-7

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 9:20:00 AM

 Lab ID:
 2112926-001
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 7:54:00 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 7:54:00 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 7:54:00 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 7:54:00 PM B84607 Surr: 4-Bromofluorobenzene 97.3 70-130 %Rec 12/16/2021 7:54:00 PM B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 11

Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-6

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 10:05:00 AM

 Lab ID:
 2112926-002
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 8:17:26 PM	И B84607
Toluene	ND	1.0	μg/L	1	12/16/2021 8:17:26 PM	/I B84607
Ethylbenzene	1.2	1.0	μg/L	1	12/16/2021 8:17:26 PM	/I B84607
Xylenes, Total	8.0	2.0	μg/L	1	12/16/2021 8:17:26 PM	/I B84607
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	12/16/2021 8:17:26 PM	/I B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 11

Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-13

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 11:05:00 AM

 Lab ID:
 2112926-003
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 8:40:50 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 8:40:50 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 8:40:50 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 8:40:50 PM B84607 Surr: 4-Bromofluorobenzene 95.5 70-130 %Rec 12/16/2021 8:40:50 PM B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 11:35:00 AM

 Lab ID:
 2112926-004
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 9:04:16 PM	1 B84607
Toluene	ND	1.0	μg/L	1	12/16/2021 9:04:16 PM	1 B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 9:04:16 PM	1 B84607
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 9:04:16 PM	1 B84607
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	12/16/2021 9:04:16 PM	1 B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-9

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 12:30:00 PM

 Lab ID:
 2112926-005
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 9:27:35 PM	M B84607
Toluene	ND	1.0	μg/L	1	12/16/2021 9:27:35 PM	M B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 9:27:35 PM	M B84607
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 9:27:35 PM	/I B84607
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	12/16/2021 9:27:35 PM	M B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 1:05:00 PM

 Lab ID:
 2112926-006
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	μg/L	1	12/16/2021 9:50:54 PI	И В84607
Toluene	ND	1.0	μg/L	1	12/16/2021 9:50:54 PI	M B84607
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 9:50:54 PI	M B84607
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 9:50:54 PI	M B84607
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	12/16/2021 9:50:54 PI	M B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-3

Project: Trunk 6C **Collection Date:** 12/14/2021 1:40:00 PM Lab ID: 2112926-007 Matrix: AQUEOUS Received Date: 12/15/2021 8:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 12/16/2021 11:47:12 PM B84607 Toluene ND 1.0 μg/L 12/16/2021 11:47:12 PM B84607 Ethylbenzene ND 1.0 μg/L 12/16/2021 11:47:12 PM B84607 Xylenes, Total ND 2.0 μg/L 12/16/2021 11:47:12 PM B84607 Surr: 4-Bromofluorobenzene 95.1 70-130 %Rec 12/16/2021 11:47:12 PM B84607

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-17

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 2:15:00 PM

 Lab ID:
 2112926-008
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 4.3 1.0 μg/L 12/17/2021 12:10:25 AM B84607 Toluene ND 1.0 μg/L 12/17/2021 12:10:25 AM B84607 Ethylbenzene ND 1.0 μg/L 12/17/2021 12:10:25 AM B84607 Xylenes, Total ND 2.0 μg/L 12/17/2021 12:10:25 AM B84607 Surr: 4-Bromofluorobenzene 97.1 70-130 %Rec 12/17/2021 12:10:25 AM B84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1

 Project:
 Trunk 6C
 Collection Date: 12/14/2021 2:45:00 PM

 Lab ID:
 2112926-009
 Matrix: AQUEOUS
 Received Date: 12/15/2021 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	430	10	μg/L	10	12/17/2021 12:33:37	' AM Z84607
Toluene	100	10	μg/L	10	12/17/2021 12:33:37	' AM Z84607
Ethylbenzene	59	10	μg/L	10	12/17/2021 12:33:37	' AM Z84607
Xylenes, Total	170	20	μg/L	10	12/17/2021 12:33:37	' AM Z84607
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	10	12/17/2021 12:33:37	' AM Z84607

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2112926 22-Dec-21

WO#:

Client: ENSOLUM
Project: Trunk 6C

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: PBW	Batch	n ID: B8	4607	F	RunNo: 8	4607				
Prep Date:	Analysis D	oate: 12	2/16/2021	S	SeqNo: 2	974198	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	18		20.00		91.9	70	130			

Sample ID: 100ng btex Ics	SampT	ype: LC	S TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batch	n ID: B8	4607	F	RunNo: 8	4607					
Prep Date:	Analysis D	Date: 12	2/16/2021	\$	SeqNo: 2	974199	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	19	1.0	20.00	0	93.4	80	120				
Toluene	19	1.0	20.00	0	93.6	80	120				
Ethylbenzene	18	1.0	20.00	0	92.5	80	120				
Xylenes, Total	55	2.0	60.00	0	91.9	80	120				
Surr: 4-Bromofluorobenzene	19		20.00		96.2	70	130				

Sample ID: mb-II	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch	ID: Z8	4607	F	RunNo: 8	4607				
Prep Date:	Analysis D	ate: 12	2/16/2021	8	SeqNo: 2	974221	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	19		20.00		96.4	70	130			

Sample ID: 100ng btex ics-II	SampT	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batch	n ID: Z8 4	4607	F						
Prep Date:	Analysis D	ate: 12	2/16/2021	S	SeqNo: 29	974222	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	97.3	80	120			
Toluene	19	1.0	20.00	0	95.9	80	120			
Ethylbenzene	19	1.0	20.00	0	95.4	80	120			
Xylenes, Total	57	2.0	60.00	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		97.2	70	130			

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112926 22-Dec-21**

Client: ENSOLUM
Project: Trunk 6C

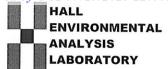
Sample ID: 2112926-009ams	SampT	уре: М\$	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: MW-1	Batcl	n ID: Z8	4607	F	RunNo: 8	4607				
Prep Date:	Analysis D	Date: 12	2/17/2021	S	SeqNo: 2	974224	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	640	10	200.0	434.9	103	80	120			
Toluene	300	10	200.0	102.5	97.1	80	120			
Ethylbenzene	250	10	200.0	58.64	94.3	80	120			
Xylenes, Total	720	20	600.0	170.0	92.2	80	120			
Surr: 4-Bromofluorobenzene	190		200.0		97.2	70	130			

Sample ID: 2112926-009ams	d Samp1	Гуре: М	SD	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: MW-1	Batcl	h ID: Z8	4607	F	RunNo: 8	4607				
Prep Date:	Analysis D	Date: 12	2/17/2021	5	SeqNo: 2	974225	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	640	10	200.0	434.9	103	80	120	0.197	20	
Toluene	300	10	200.0	102.5	97.5	80	120	0.330	20	
Ethylbenzene	250	10	200.0	58.64	96.7	80	120	1.91	20	
Xylenes, Total	730	20	600.0	170.0	92.6	80	120	0.340	20	
Surr: 4-Bromofluorobenzene	200		200.0		98.1	70	130	0	0	

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	ENSOLUM	ľ	Work	Order Num	ber: 211	2926			RcptNo:	1
Received By:	Isaiah Or	tiz	12/15/2	021 8:00:0	D AM		and a		24	
Completed By:	Isaiah Or	tiz	12/15/2	021 8:55:1:	2 AM			_(
Reviewed By:	DAD	12/15/2	.\							
Chain of Cus	stody									
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<u>Log In</u>										
3. Was an atter	npt made to	cool the samp	les?		Yes	V	No		NA 🗌	
4. Were all sam	ples received	l at a tempera	ture of >0° C t	to 6.0°C	Yes	V	No		NA 🗆	
5. Sample(s) in	proper conta	iner(s)?			Yes	v	No			
6. Sufficient san	nple volume	for indicated to	est(s)?		Yes	✓	No			
7. Are samples	(except VOA	and ONG) pr	operly preserve	ed?	Yes	✓	No			
8. Was preserva	ative added to	bottles?			Yes		No	V	NA 🗌	
9. Received at le	east 1 vial wi	th headspace	<1/4" for AQ V	OA?	Yes	V	No		NA 🗌	
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ENTERPRISE PRODUCTS PARTNERS L.P. ENTERPRISE PRODUCTS GP, LLC (General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

September 6, 2023

Submitted online via OCD E-Permitting:

https://www.apps.emnrd.state.nm.us/OCD/OCDPermitting/default.aspx

Mr. Nelson Velez New Mexico Energy, Minerals & Natural Resources Department - Oil Conservation Division 1000 Rio Brazos Road Aztec. New Mexico 87410

REVIEWED

By Mike Buchanan at 8:51 am, Sep 15, 2023

Submittal1: 2021 Groundwater Monitoring [Annual] Report (Ensolum, March 25, 2022) Submittal2: 2022 Groundwater Monitoring [Annual] Rep Reviews of the 2022 GW 2023)

RE: Enterprise Field Services, LLC

Monitoring Abatement

Trunk 6C Pipeline - Kutz Wash Release (09/22/11) Plan for Trunk 6C

San Juan County, New Mexico [SW 1/4, S26 T28N Pipeline Kut2 07/2 sth, 107.97400° W)]

OCD RP: 3R-438; OCD Abatement Plan No. 131; I Reflease No. 146

Dear Mr. Velez:

Satisfactory

1. Continue to monitor on a semi-annual basis

Enterprise Products Operating LLC (Enterprise), on behalf while stages Field Services, LLC, is pleased to provide the New Mexico (NM) Energy, Minerals and Natural Resources partment (EMNRD) Oil Conservation Division (OCD) with an electronic copy (uploaded to the OCD Online Imaging website address above) of the above-referenced documents (Submittal 1 and Submittal 2) that were prepared by Ensolum, LLC (Ensolum) and dated March 25, 2022 and March 22, 2023, Especially 1 he Submittals are associated with the September 22, 2011 discovery of a release of natural gas condend the transfer that occurred from the Enterprise Trunk 6C pipeline at the above-referenced location (the "Site"). The information detailed in each Submittal documents Site-related groundwater monitoring and sampling (GWI) activities conducted between January 1 and December 31, 2021 (the "reporting period" for Submittal and December 31, 2022 (the "reporting period" for Submittal December 31, 2022 (the "report two semi-annual groundwater monitoring and sampling (S-AMONITORING REPORT AND POINTERING TO SUBMIT THE CONTROL OF SUBMIT THE CONTROL magnitude and extent of any constituents of concern (Cobernational April Mai 2024 the Site as phase-separated hydrocarbon (PSH) and dissolved-phase hydrocarbon (DPH).

Based on the data presented in each Submittal, PSH has not been observed since September 2016 (MW-1) and the DPH plume remains delineated. And although COC concentrations still remain in excess of the applicable Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs) (in MW-1 and MW-17). DPH/COC concentrations continue to be stable and/or declining.

Based on the results presented in the Submittal, Enterprise plans to: 1) continue conducting semi-annual GWM&S events, 2) suspend monitoring and sampling of monitoring wells MW-3 through MW-11 and MW-13 through MW-15 (as per NM OCD approval email dated December 28, 2021), and 3) conduct additional sitespecific aquifer characterization and testing to evaluate the options to remediate areas of GQS exceedances. Once the Stage 1 Abatement Plan has been fully approved and implemented, Enterprise will prepare and submit a Stage 2 Abatement Plan for approval, or proceed "at-risk" with the removal of residual impacted soils to expedite natural attenuation (prior to the EMNRD OCD approval of the Stage 1 Abatement Plan).

Enterprise appreciates the New Mexico EMNRD OCD's continued assistance and guidance in bringing closure to this Site. Should you have any questions, comments, or concerns, or need additional information regarding this Site, please feel free to contact me at (713) 381-8780, or via email at GEMiller@eprod.com.

Sincerely,

Gregory & Miller Gregory E. Miller, P.G. Supervisor, Environmental

Rodney M. Sartor, REM Sr. Director, Environmental

BLM, Farmington, NM - Mr. Ryan Joyner <6251 College Blvd., Suite A, Farmington, NM 87402>

NMOCD, Aztec, NM - Mr. Nelson Velez < Nelson.Velez@state.nm.us> NMOCD, Santa Fe, NM - Mr. Jim Griswold < Jim. Griswold@state.nm.us >

NMOCD, Santa Fe, NM – Mr. Brad Billings < Bradford.Billings@state.nm.us> Ensolum, Houston, TX - Mr. Marc E. Gentry < MGentry@ensolum.com >

CC. ec:



2022 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

March 22, 2023

Ensolum Project No. 05A1226011

Prepared for:

Enterprise Field Services, LLC

P.O. Box 4324 Houston, Texas 77210-4324 Attn: Mr. Gregory E. Miller, PG

Prepared by:

Ranee Deechilly Project Manager Kyle Summers Senior Managing Geologist

Ummy

March 22, 2023

Executive Summary

This report documents the 2022 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 sampling events were conducted by Ensolum during June 2022 and December 2022. 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, with a gradient during the 2022 sampling events that varied from 0.008 to 0.0095 feet per foot (ft/ft) across the Site.
- Benzene was reported at concentrations exceeding the 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 2022 and December 2022 sampling events and monitoring MW-17 during the December 2022 sampling event. The groundwater samples collected from the remaining monitoring wells during the 2022 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 2022 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, limiting the sampling frequency of monitoring wells MW-3 through MW-11, MW-13, MW-14, and MW-15 to annually.
- Implement additional Site-specific aquifer testing as described in the Stage 1 Abatement Plan (this activity has been approved by the NM EMNRD OCD).
- After the Stage 1 Abatement Plan has been fully implemented and approved, prepare a Stage 2 Abatement Plan (if required), or proceed "at-risk" with the removal of residual impacted soils to expedite natural attenuation prior to EMNRD OCD approval of the Stage 1 Abatement Plan.



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1.0 INTRODUCTION

This report describes the 2022 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,



March 22, 2023

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 has not formally approved the plan at this time, and Enterprise has resumed semi-annual groundwater monitoring of the Site.

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.

2.0 GROUNDWATER MONITORING

Ensolum conducted groundwater sampling events during June 2022 and December 2022. 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 to suspend sampling of monitoring wells MW-3 through MW-11, and MW-

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.



March 22, 2023

13 through MW-15. However, the email was not clear if an alternate sampling schedule was intended for those wells. Therefore, Enterprise decided to performed one semi-annual sampling event (June 2022) consisting of only the three monitoring wells (MW-1, MW-2, and MW-17) and one semi-annual sampling event consisting of 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.
- 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 (HgCl₂)), 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 Hall Environmental Analysis Laboratory (HEAL) 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 2022 sampling events were analyzed for BTEX utilizing U.S. Environmental Protection Agency (EPA) SW-846 Method #8021 or #8260.

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 or 8260

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



Trunk 6C Kutz Wash Pipeline Release (2011)

2.2 Groundwater Flow Direction

The groundwater flow direction at the Site is generally towards the northwest. The calculated gradient during the 2022 monitoring events varied from approximately 0.008 to 0.0095 feet per foot (ft/ft) across the Site. Groundwater elevation data collected during the 2022 gauging events are presented in **Table 2** (**Appendix C**). Groundwater gradient maps for the 2022 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 2022 groundwater sampling events to the New Mexico WQCC GQSs. 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 2022

- The June 2022 analytical result for monitoring well MW-1 indicates a benzene concentration of 230 micrograms per liter (μg/L), which exceeds the WQCC GQS of 10 μg/L.¹ The June 2022 analytical result for monitoring well MW-17 indicates a benzene concentration of 2.4 μg/L, which is 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 June 2022 analytical result for monitoring well MW-1 indicates a toluene concentration of 7.4 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 June 2022 analytical result for monitoring well MW-1 indicates an ethylbenzene concentration of 35 μg/L, which is 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 June 2022 analytical result for monitoring well MW-1 indicates a total xylenes concentration of 86 μg/L, which is 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 June 2022 analytical results.

December 2022

- The December 2022 analytical results for monitoring wells MW-1 and MW-17 indicate benzene concentrations of 400 μg/L and 36 μg/L, respectively, which exceed 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 2022 analytical result for monitoring well MW-1 indicates a toluene

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.



Trunk 6C Kutz Wash Pipeline Release (2011)

concentration of 30 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 2022 analytical result for monitoring well MW-1 indicates an ethylbenzene concentration of 64 μg/L, which is 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 2022 analytical results for monitoring wells MW-1, MW-15, and MW-17 indicate total xylenes concentrations of 160 μg/L, 5.2 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 2022 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 2022 monitoring events varied from approximately 0.008 to 0.0095 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 2022 and December 2022 sampling events and monitoring MW-17 during the December 2022 sampling event. The groundwater samples collected from the remaining monitoring during the two 2022 sampling events did not exhibit COC concentrations above the applicable WQCC GQSs.¹
- The results from the groundwater sampling events completed in 2022 at the Site generally continue to demonstrate stable COC concentrations in groundwater.

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, limiting the sampling frequency of monitoring wells MW-3 through MW-11, MW-13, MW-14, and MW-15 to annually.
- Implement additional Site-specific aquifer testing as described in the Stage 1 Abatement Plan (this activity has been approved by the NM EMNRD OCD).

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.



March 22, 2023

After the Stage 1 Abatement Plan has been fully implemented and approved, prepare a Stage 2 Abatement Plan (if required), or proceed "at-risk" with the removal of residual impacted soils to expedite natural attenuation prior to EMNRD OCD approval of the Stage 1 Abatement Plan.

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

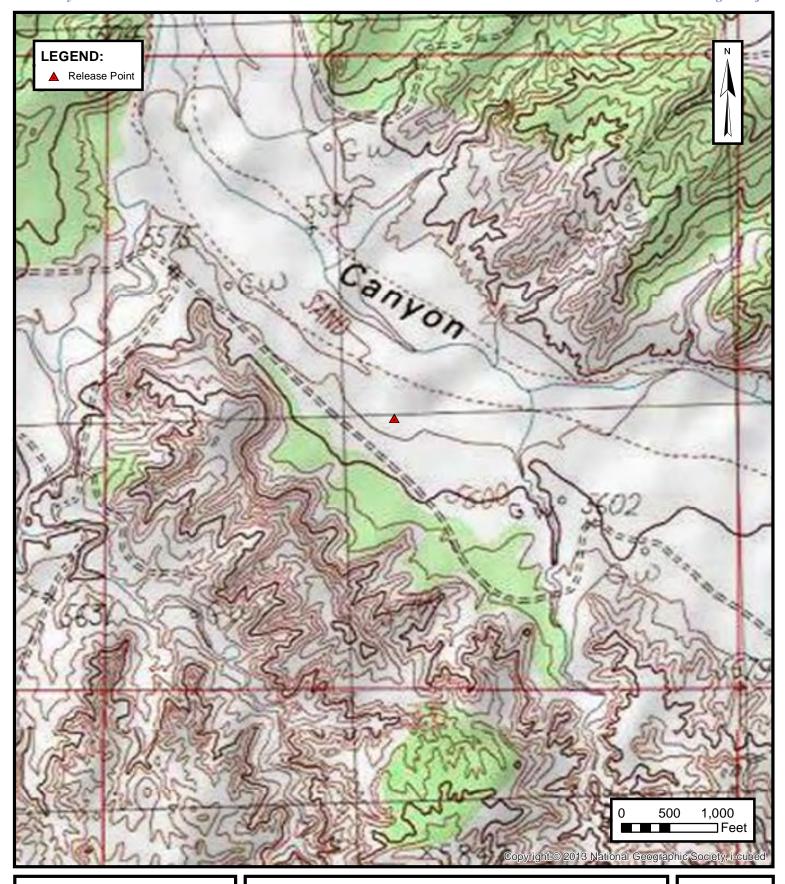
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution 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.





APPENDIX A

Figures





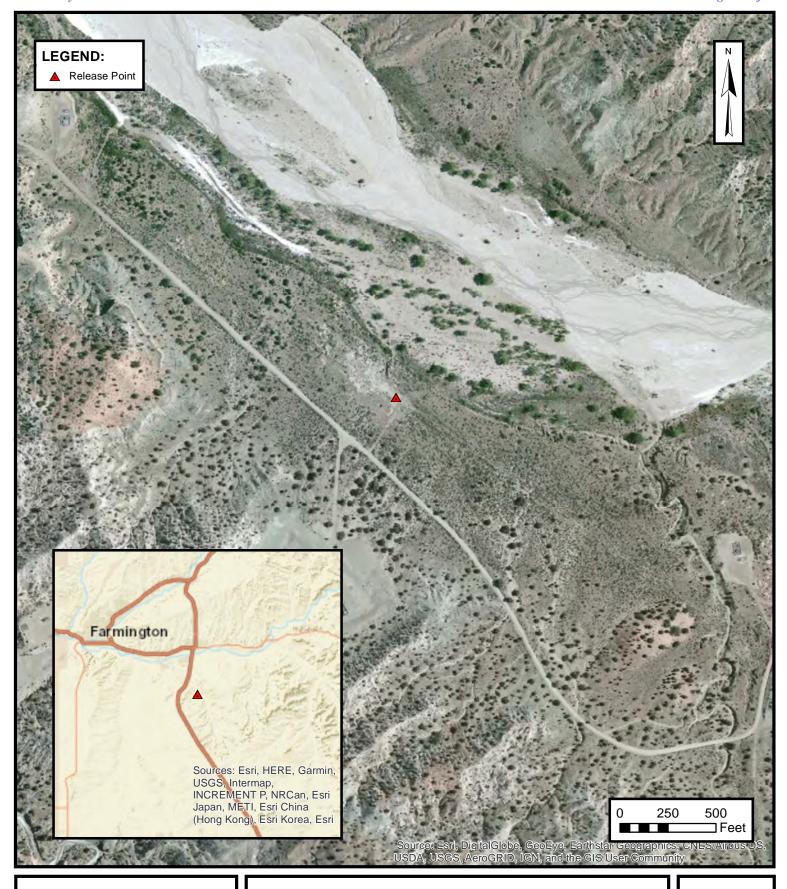
TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE

1





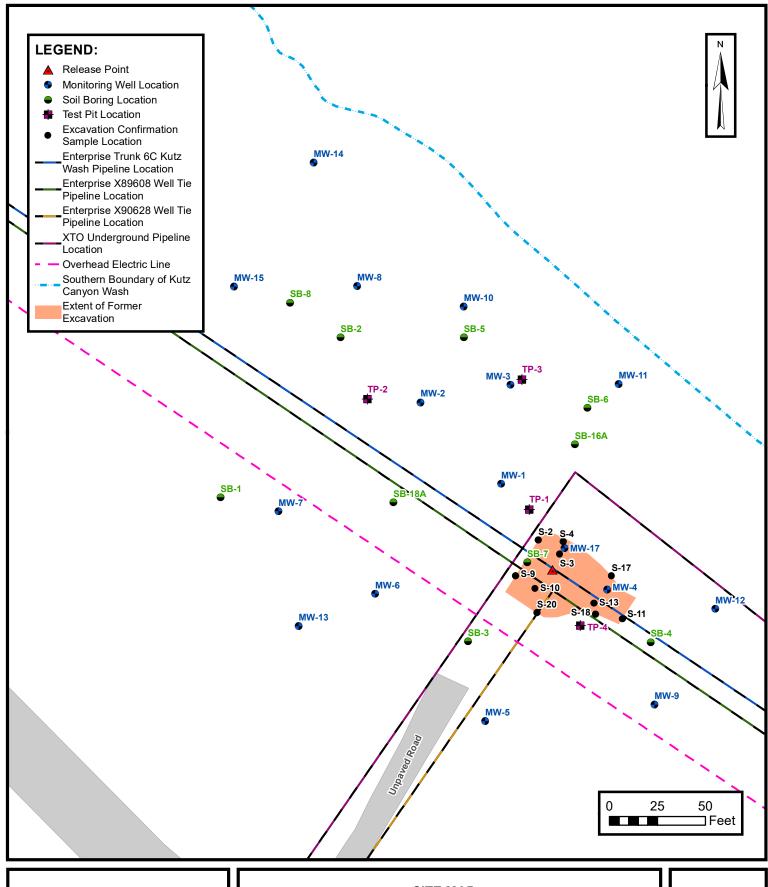
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE

2





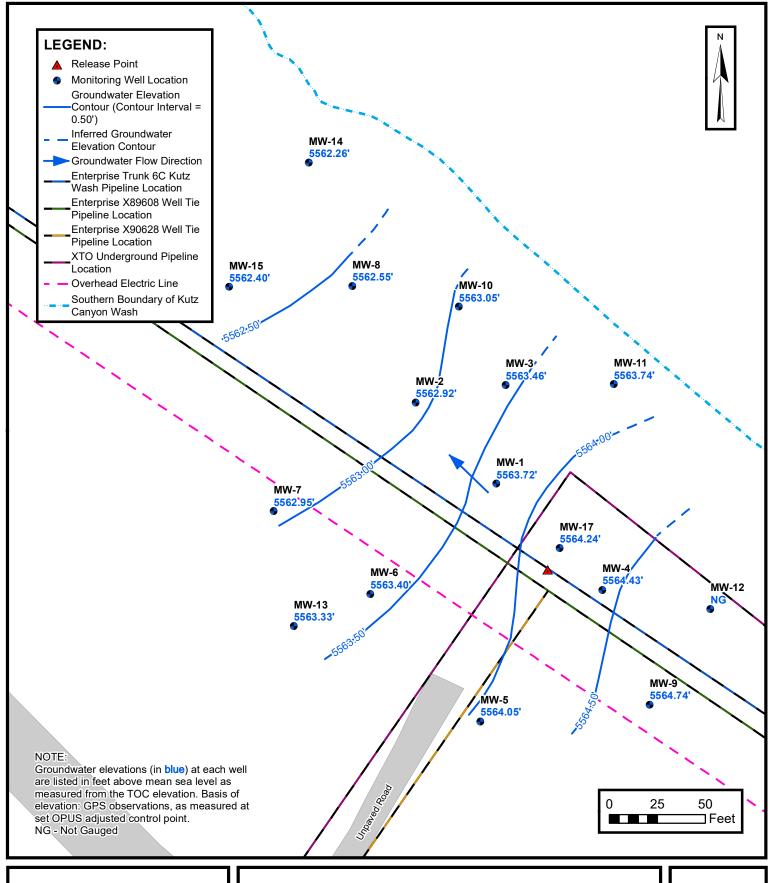
SITE MAP

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE 3

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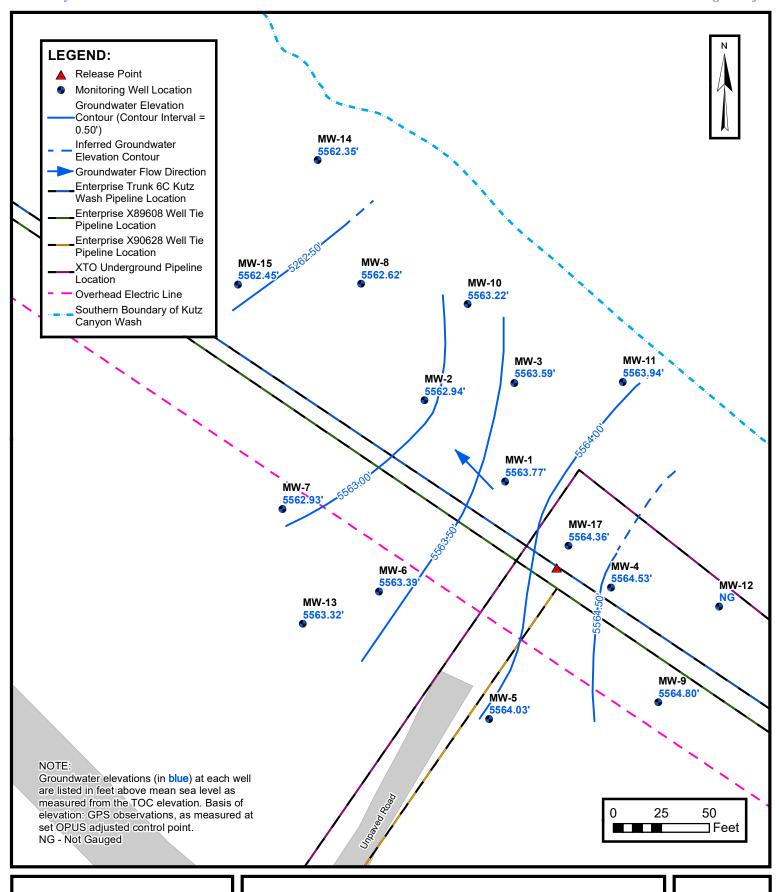


GROUNDWATER GRADIENT MAP (JUNE 2022)

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE 4A





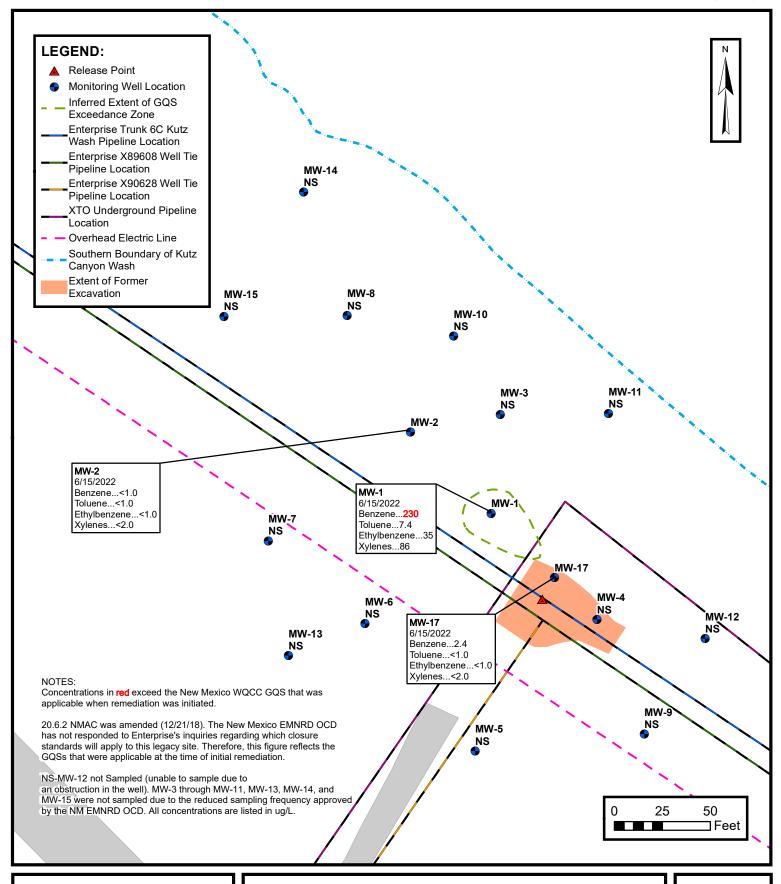
GROUNDWATER GRADIENT MAP (DECEMBER 2022)

ENTERPRISE FIELD SERVICES, LLC
TRUNK 6C KUTZ WASH
t Letter K S26 T28N R11W San Juan County New M

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE 4B





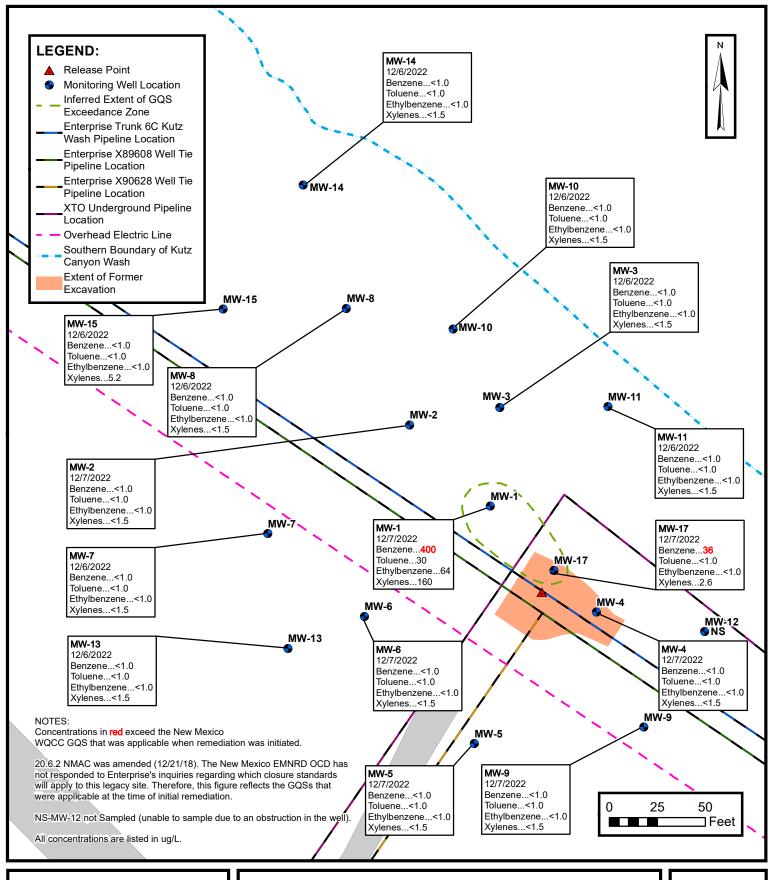
GROUNDWATER QUALITY STANDARD (GQS) EXCEEDANCE ZONE MAP (JUNE 2022)

ENTERPRISE FIELD SERVICÉS, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE **5A**





GROUNDWATER QUALITY STANDARD (GQS) EXCEEDANCE ZONE MAP (DECEMBER 2022)

ENTERPRISE FIELD SERVICES, LLC TRUNK 6C KUTZ WASH

Unit Letter K, S26 T28N R11W, San Juan County, New Mexico 36.63202° N, 107.97400° W

PROJECT NUMBER: 05A1226011

FIGURE **5B**



APPENDIX B

Regulatory Correspondence

From: **Kyle Summers Landon Daniell** To: Cc: Ranee Deechilly

Subject: FW: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

Date: Wednesday, November 30, 2022 7:42:01 AM

Attachments: image004.png

image005.png image006.png



Kyle Summers Principal 903-821-5603 **Ensolum, LLC**

PLEASE NOTE OUR NEW CORPORATE ADDRESS:

Ensolum, LLC 8330 LBJ Freeway, Ste. 830 Dallas, TX 75243

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>

<GEMiller@eprod.com>

Subject: RE: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident #

NJK1201237146

[**EXTERNAL EMAIL**]

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 <<u>tilong@eprod.com</u>>

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

<<u>GEMiller@eprod.com</u>>

Subject: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident #

NJK1201237146

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

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)
tilong@eprod.com



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 < <u>Nelson. Velez@state.nm.us</u>>

Cc: Kyle Summers ksummers@ensolum.com>; Long, Thomas tilong@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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



APPENDIX C

Tables



GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	
Sample I.D.	Sample Date	(μg/L)	(µg/L)	(μg/L)	(μg/L)	
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A	
	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	
MW-1	12.20.16	76	59	2.5	23	
IVIVV - 1	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	



		IDWATER ANALT III			
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
·	·	(μg/L)	(μg/L)	(µg/L)	(μg/L)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-2	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 ^B	<1.0	<1.0	<1.0	<2.0
	12.7.22	<1.0	<1.0	<1.0	<1.5



Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-3	12.19.16	<1.0	<1.0	<1.0	<1.5
10100-5	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



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		750 ^A	750 ^A	620 ^A
	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
MW-4	12.19.16	<1.0	<1.0	<1.0	<1.5
10100-4	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



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		750 ^A	750 ^A	620 ^A
	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
MW-5	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



		DWATER ANALTTIC		Ed. II	V 1
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		(µg/L)	(μg/L)	(µg/L)	(µg/L)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-6	12.19.16	<1.0	<1.0	26	80
IVIVV-O	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



		IDWATER ANALTTI			
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		(µg/L)	(μg/L)	(µg/L)	(µg/L)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-7	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



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		750 ^A	750 ^A	620 ^A
	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
MW-8	12.19.16	<1.0	<1.0	<1.0	2.1
14144-0	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



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
	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
MW-9	12.19.16	<1.0	<1.0	<1.0	<1.5
10100-9	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



GROUNDWATER ANALTHCAL SUMMART						
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	
		(µg/L)	(µg/L)	(μg/L)	(µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ^A	620 ^A	
	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	
MW-10	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	



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	
	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	
MW-11	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	



GROUNDWATER ANALT HOAL GOMMAN							
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		
	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					
MW-12	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					



GROUNDWATER ANALTTICAL SUMMART						
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	
	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	
MW-13	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	



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)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
	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
MW-14	8.21.19	<1.0	<1.0	<1.0	<2.0
10100 - 14	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
	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
MW-15	8.21.19	<1.0	<1.0	<1.0	<2.0
10100-15	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



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)
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ^A	620 ^A
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		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
MW-17	8.22.19	4.1	<1.0	<1.0	<2.0
10100-17	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		<1.0	<1.0	<2.0
	6.15.22		<1.0	<1.0	<2.0
	12.7.22	36	<1.0	<1.0	2.6

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

NS = Not Sampled.

 μ g/L = micrograms per liter

NAPL = Non-aqueous phase liquid

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

^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.

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



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)
	9.7.12	ND	15.78	ND				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			5579.73	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				5563.31
MW-1*	12.19.16	ND	15.83	ND	27.43	12.43-27.43	27.43	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			5579.43	5563.41
	1.07.20	ND	15.79	ND			3373.43	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



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)
	9.7.12	ND	16.29	ND				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			5579.39	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	ND 15.93 ND	5563.46				
	9.16.16	ND	16.61	ND				5562.54
MW-2*	12.19.16	ND	16.35	ND	25.62	10.62-25.62		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			5579.15	5562.63
	1.07.20	ND	16.35	ND			5579.15	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



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)
	9.7.12	ND	15.98	ND				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			5579.52	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				5563.00
MW-3*	12.19.16	ND	15.87	ND	25.57	10.57-25.57		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			5579.24	5563.10
	1.07.20	ND	15.85	ND			5579.24	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



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)
	9.7.12	ND	15.59	ND				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			5580.36	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	ND 15.22 ND	5565.14				
	9.16.16	ND	15.92	ND				5564.03
MW-4*	12.19.16	ND	15.55	ND	25.26	10.26-25.26		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			5579.95	5564.15
	1.07.20	ND	15.50	ND			5579.95	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



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)
	9.7.12	ND	19.35	ND				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			5583.53	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				5563.72
MW-5*	12.19.16	ND	19.42	ND	25.58	10.58-25.58		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			5583.41	5563.81
	1.07.20	ND	19.39	ND			3303.41	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



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)
	9.7.12	ND	18.55	ND				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			5582.22	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				5563.12
MW-6*	12.19.16	ND	18.61	ND	25.50	10.50-25.50		5563.37
10100-0	6.27.17	ND	18.29	ND	25.50	10.30-23.30		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			5581.98	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



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)
	9.7.12	ND	19.03	ND				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			5582.24	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	6 ND 18.76 ND	5563.48					
	9.16.16	ND	19.37	ND				5562.68
MW-7*	12.19.16	ND	19.13	ND	25.85	10.85-25.85		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			5582.05	5562.74
	1.07.20	ND	19.14	ND			3362.03	5562.91
	6.4.20	ND	19.00	ND				5563.05
	11.24.20	1.24.20 ND 19.39 NE	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	19.10 ND			5562.95	
	12.6.22	ND	19.12	ND				5562.93



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)
	9.7.12	ND	14.96	ND				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			5577.81	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				5562.18
MW-8*	12.19.16	ND	15.00	ND	24.78	9.78-24.78		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			5577.47	5562.25
	1.07.20	ND	15.00	ND			5577.47	5562.47
	6.4.20	ND	14.84	ND				5562.63
	11.24.20	ND	15.26	ND				5562.21
	6.23.21	.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



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)
	9.7.12	ND	17.55	ND				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			5582.48	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				5564.41
MW-9*	12.19.16	ND	17.60	ND	25.78	10.78-25.78		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			5582.35	5564.51
	1.07.20	ND	17.57	ND			5562.55	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



Well I.D.	Date	Depth to Product	Depth to Water	Product Thickness	Total Depth of Well	Screen Interval	TOC Elevation	Groundwater Elevation*
		(feet BTOC)	(feet BTOC)	HICKHESS	(feet BTOC)	(feet BTOC)	(feet AMSL)	(feet AMSL)
	12.16.13	ND	16.93	ND				5560.87
	3.14.14	ND	14.63	ND				5563.17
	9.9.14	ND	15.34	ND			5577.80	5562.46
	6.10.15	ND	14.58	ND			3377.60	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				5562.61
	12.19.16	ND	15.12	ND	- - 21.36			5562.98
	6.27.17	ND	14.73	ND				5563.37
MW-10*	1.09.18	ND	14.90	ND		11.36-21.36		5563.20
10100-10	6.21.18	ND	15.05	ND	21.50			5563.05
	12.13.18	ND	15.21	ND				5562.89
	8.20.19	ND	15.38	ND			5578.10	5562.72
	1.07.20	ND	15.09	ND			3370.10	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



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)
	12.16.13	ND	15.15	ND				5563.50
	3.14.14	ND	14.82	ND				5563.83
	9.9.14	ND	15.63	ND			5578.65	5563.02
	6.10.15	ND	14.76	ND			3376.03	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				5563.30
	12.19.16	ND	15.35	ND				5563.69
	6.27.17	ND	15.00	ND				5564.04
MW-11*	1.09.18	ND	15.11	ND	21.25	11 25 21 25		5563.93
10100-11	6.21.18	ND	15.28	ND	21.23	11.25-21.25		5563.76
	12.13.18	ND	15.45	ND				5563.59
	8.20.19	ND	15.66	ND			5579.04	5563.38
	1.07.20	ND	15.32	ND			3379.04	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



				WATER ELEV				
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)
	12.16.13	ND	15.54	ND				5564.45
	3.14.14	ND	15.27	ND				5564.72
	9.9.14	ND	15.96	ND			5579.99	5564.03
	6.10.15	ND	15.22	ND			337 3.33	5564.77
	12.04.15 ^C		NG					NG
	6.02.16 ^C		NG					NG
	9.16.16 ^C		NG					NG
	12.19.16 ^C		NG					NG
	6.27.17 ^C		NG					NG
MW-12*	1.09.18 ^C		NG		21.36	11.36-21.36		NG
10000	6.21.18 ^C		NG		21.00	11.00 21.00		NG
	12.13.18 ^C		NG					NG
	8.20.19 ^C		NG				5580.28	NG
	1.07.20 ^C		NG				0000.20	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
	6.15.22 ^C		NG					NG
	12.6.22		NG					NG



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)
	12.16.13	ND	19.88	ND				5563.15
	3.14.14	ND	19.63	ND				5563.40
	9.9.14	ND	20.18	ND			5583.03	5562.85
	6.10.15	ND	19.57	ND			3303.03	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				5563.07
	12.19.16	ND	20.03	ND				5563.31
	6.27.17	ND	19.74	ND				5563.60
MW-13*	1.09.18	ND	19.85	ND	25.26	15.26-25.26		5563.49
10100-13	6.21.18	ND	19.89	ND	23.20	13.20-23.20		5563.45
	12.13.18	ND	20.13	ND				5563.21
	8.20.19	ND	20.22	ND			5583.34	5563.12
	1.07.20	ND	20.02	ND			5563.34	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
	9.16.16	ND	14.48	ND				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
MW-14	8.20.19	ND	14.43	ND	23.01	13.01-23.01	5576.39	5561.96
10100-14	1.07.20	ND	14.21	ND	23.01	13.01-23.01	3370.39	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



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)
	9.16.16	ND	16.75	ND				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
MW-15	8.20.19	ND	16.70	ND	23.15	13.15-23.15	5578.83	5562.13
10100-13	1.07.20	ND	16.50	ND	23.13	13.13-23.13	3370.03	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
	9.16.16	ND	16.02	ND				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
MW-17	8.20.19	ND	15.91	ND	22.95	12.95-22.95	5579.86	5563.95
1010 0 - 17	1.07.20	ND	15.62	ND	22.93	12.93-22.93	337 9.00	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

BTOC - below top of casing

AMSL - above mean sea level

TOC - top of casing NG - well not gauged

Basis of elevation: GPS observations, as measured at set OPUS adjusted control point.

^{* -} 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.

^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.



APPENDIX D

Laboratory Data Sheets & Chain of Custody Documentation



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

June 22, 2022

Kyle Summers
ENSOLUM
606 S Rio Grande Ste A

Aztec, NM 87410 TEL: (903) 821-5603

FAX:

RE: Trunk 6 C Kutz Wash OrderNo.: 2206871

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/16/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report

Lab Order **2206871**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

6/21/2022 12:03:20 PM

6/21/2022 12:03:20 PM

6/21/2022 12:03:20 PM R88920

R88920

R88920

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 Trunk 6 C Kutz Wash
 Collection Date: 6/15/2022 10:05:00 AM

 Lab ID:
 2206871-001
 Matrix: AQUEOUS
 Received Date: 6/16/2022 6:50:00 AM

ND

ND

91.8

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 1.0 μg/L 6/21/2022 12:03:20 PM R88920 Toluene ND 1.0 μg/L 1 6/21/2022 12:03:20 PM R88920

1.0

2.0

70-130

μg/L

μg/L

%Rec

1

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

Analytical Report

Lab Order **2206871**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: ENSOLUM Client Sample ID: MW-17

 Project:
 Trunk 6 C Kutz Wash
 Collection Date: 6/15/2022 10:50:00 AM

 Lab ID:
 2206871-002
 Matrix: AQUEOUS
 Received Date: 6/16/2022 6:50:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 2.4 1.0 μg/L 6/21/2022 12:26:49 PM R88920 Toluene ND 1.0 μg/L 6/21/2022 12:26:49 PM R88920 1 ND Ethylbenzene 1.0 μg/L 6/21/2022 12:26:49 PM R88920 Xylenes, Total ND 2.0 μg/L 1 6/21/2022 12:26:49 PM R88920 Surr: 4-Bromofluorobenzene 90.1 70-130 %Rec 6/21/2022 12:26:49 PM R88920

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2206871**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: ENSOLUM Client Sample ID: MW-1

Project: Trunk 6 C Kutz Wash Collection Date: 6/15/2022 11:25:00 AM

Lab ID: 2206871-003 **Matrix:** AQUEOUS **Received Date:** 6/16/2022 6:50:00 AM

Analyses	Result RL Qual Units			DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	230	5.0	μg/L	5	6/22/2022 2:07:50 AM	R88920
Toluene	7.4	5.0	μg/L	5	6/22/2022 2:07:50 AM	R88920
Ethylbenzene	35	5.0	μg/L	5	6/22/2022 2:07:50 AM	R88920
Xylenes, Total	86	10	μg/L	5	6/22/2022 2:07:50 AM	R88920
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	5	6/22/2022 2:07:50 AM	R88920

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2206871 22-Jun-22

WO#:

Client: ENSOLUM

Project: Trunk 6 C Kutz Wash

Sample ID: mb	Sample ID: mb SampType: MBLK					TestCode: EPA Method 8021B: Volatiles								
Client ID: PBW	Batcl	h ID: R8	8920	F	RunNo: 8	3920								
Prep Date:	Analysis [Date: 6/ 2	21/2022	\$	SeqNo: 3	157711	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-Bromofluorohenzene	18		20.00		91.2	70	130							

Sample ID: 100ng btex Ics	Samp	Гуре: LC	S	estCode: EPA Method 8021B: Volatiles							
Client ID: LCSW	: LCSW Batch ID: R88920 RunNo: 88920										
Prep Date: Analysis Date: 6/21/2022 SeqNo: 3157712						157712	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	18	1.0	20.00	0	90.0	80	120				
Toluene	19	1.0	20.00	0	92.8	80	120				
Ethylbenzene	19	1.0	20.00	0	92.6	80	120				
Xylenes, Total	56	2.0	60.00	0	93.5	80	120				
Surr: 4-Bromofluorobenzene	18		20.00		91.9	70	130				

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name: ENSOLUM	Work Order Number:	2206871		RcptNo:	1
Received By: Juan Rojas 6	/16/2022 6:50:00 AM		Guara g		
	/16/2022 8:38:02 AM		•		
Reviewed By: Jn 6/16/22					
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 🗆	
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 pr	eserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes \square	No 🔽	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for	r AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sample containers received broken?		Yes	No 🗸	# of preserved	/
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH:	12 unless noted)
2. Are matrices correctly identified on Chain of Cus	tody?	Yes 🗸	No 🗌	Adjusted?	zz umoss notcu)
3. Is it clear what analyses were requested?		Yes 🗸	No 🗌	/	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗌	Checked by: W	4 6.16.2
Special Handling (if applicable)					
15. Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗌	NA 🗸	
Person Notified: By Whom: Regarding:	Date: Via:] eMail [] Phone ☐ Fax	☐ In Person	
Client Instructions:			THE RESIDENCE PROPERTY OF THE		
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition Seal I 1 0.4 Good Yes	ntact Seal No S	eal Date	Signed By		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	15/2	Safe: Time: Relinquished by:	1	023	12:4	<i>4:58</i>	PM					6/15/22 11:25 W MW-1	WINDSON W NW-17	6/13/22 10:05 CC NW-2	Date Time Matrix Sample Name		□ EDD (Type)	□ NELAC □ Other	Accreditation: ☐ Az Compliance	☐ Standard ☐ Level 4 (Full Validation)	3.	email or Fax#: # 500 mes 500 cms= how com	Phone #:	Aztec, NM 07410	Mailing Address: West Pro Grande, Suited	Pag	132Client:	Chain-of-Custody Record
ontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	(0000 6/16/72 6:80	MA 6/15/21										324bmil Volt	3×40×110A 002	3.40millo Hat 12 001	Container Preservative HEAL No. Type and # Type 7266871	Cooler Temp(including CF): 0.4-0.26.4 (°C)	# of Coolers:	On Ice: Pres I No	Sampler:	K. Summers		Project Manager:	054 1226011	Project #:	Trunk of Kutz wish	Project Name:	XStandard □ Rush	Turn-Around Time:
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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

December 19, 2022

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A

Aztec, NM 87410 TEL: (903) 821-5603

FAX:

RE: Trunk 6C Kutz Wash OrderNo.: 2212338

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 12/7/2022 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: ENSOLUM

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-7

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/6/2022 12:05:00 PM

 Lab ID:
 2212338-001
 Matrix: AQUEOUS
 Received Date: 12/7/2022 7:10:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: CCM Benzene ND 1.0 μg/L 12/12/2022 11:47:00 PM R93215 Toluene ND 1.0 μg/L 12/12/2022 11:47:00 PM R93215 Ethylbenzene ND 1.0 μg/L 12/12/2022 11:47:00 PM R93215 Xylenes, Total ND μg/L 1 12/12/2022 11:47:00 PM R93215 1.5 Surr: 1,2-Dichloroethane-d4 83.8 70-130 %Rec 12/12/2022 11:47:00 PM R93215 Surr: Dibromofluoromethane 92.3 70-130 %Rec 1 12/12/2022 11:47:00 PM R93215 Surr: Toluene-d8 92.9 70-130 %Rec 12/12/2022 11:47:00 PM R93215

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

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
- RL Reporting Limit

Sample pH Not In Range
Reporting Limit Page 1 of 11

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-15

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/6/2022 12:35:00 PM

 Lab ID:
 2212338-002
 Matrix: AQUEOUS
 Received Date: 12/7/2022 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	t: CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 12:55:00 A	M R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 12:55:00 A	M R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 12:55:00 A	M R93215
Xylenes, Total	5.2	1.5	μg/L	1	12/13/2022 12:55:00 A	M R93215
Surr: 1,2-Dichloroethane-d4	79.0	70-130	%Rec	1	12/13/2022 12:55:00 A	M R93215
Surr: Dibromofluoromethane	87.8	70-130	%Rec	1	12/13/2022 12:55:00 A	M R93215
Surr: Toluene-d8	95.9	70-130	%Rec	1	12/13/2022 12:55:00 A	M R93215

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

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

Page 2 of 11

Analytical Report Lab Order 2212338

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-14

Project: Trunk 6C Kutz Wash **Collection Date:** 12/6/2022 1:10:00 PM Lab ID: 2212338-003 Matrix: AQUEOUS **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL Qı	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 1:18:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 1:18:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 1:18:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 1:18:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.0	70-130	%Rec	1	12/13/2022 1:18:00 AM	R93215
Surr: Dibromofluoromethane	91.2	70-130	%Rec	1	12/13/2022 1:18:00 AM	R93215
Surr: Toluene-d8	91.4	70-130	%Rec	1	12/13/2022 1:18:00 AM	R93215

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

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 11

CLIENT: ENSOLUM

Surr: Toluene-d8

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

12/13/2022 1:40:00 AM R93215

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-10

%Rec

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/6/2022 1:30:00 PM

 Lab ID:
 2212338-004
 Matrix: AQUEOUS
 Received Date: 12/7/2022 7:10:00 AM

91.7

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: CCM Benzene ND 1.0 μg/L 12/13/2022 1:40:00 AM R93215 Toluene ND 1.0 μg/L 12/13/2022 1:40:00 AM R93215 1 Ethylbenzene ND 1.0 μg/L 12/13/2022 1:40:00 AM R93215 Xylenes, Total ND μg/L 1 12/13/2022 1:40:00 AM R93215 1.5 Surr: 1,2-Dichloroethane-d4 84.4 70-130 %Rec 12/13/2022 1:40:00 AM R93215 Surr: Dibromofluoromethane 91.7 70-130 %Rec 1 12/13/2022 1:40:00 AM R93215

70-130

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

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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CLIENT: ENSOLUM

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-8

Project: Trunk 6C Kutz Wash Collection Date: 12/6/2022 1:40:00 PM

Lab ID: 2212338-005 **Matrix:** AQUEOUS **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 2:03:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 2:03:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 2:03:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 2:03:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	84.2	70-130	%Rec	1	12/13/2022 2:03:00 AM	R93215
Surr: Dibromofluoromethane	91.0	70-130	%Rec	1	12/13/2022 2:03:00 AM	R93215
Surr: Toluene-d8	90.9	70-130	%Rec	1	12/13/2022 2:03:00 AM	R93215

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

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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Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-11

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/6/2022 2:00:00 PM

 Lab ID:
 2212338-006
 Matrix: AQUEOUS
 Received Date: 12/7/2022 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 2:26:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 2:26:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 2:26:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 2:26:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.0	70-130	%Rec	1	12/13/2022 2:26:00 AM	R93215
Surr: Dibromofluoromethane	92.4	70-130	%Rec	1	12/13/2022 2:26:00 AM	R93215
Surr: Toluene-d8	90.3	70-130	%Rec	1	12/13/2022 2:26:00 AM	R93215

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

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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CLIENT: ENSOLUM

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-3

Project: Trunk 6C Kutz Wash Collection Date: 12/6/2022 2:10:00 PM

Lab ID: 2212338-007 **Matrix:** AQUEOUS **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 2:49:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 2:49:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 2:49:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 2:49:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	82.9	70-130	%Rec	1	12/13/2022 2:49:00 AM	R93215
Surr: Dibromofluoromethane	92.3	70-130	%Rec	1	12/13/2022 2:49:00 AM	R93215
Surr: Toluene-d8	89.6	70-130	%Rec	1	12/13/2022 2:49:00 AM	R93215

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

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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CLIENT: ENSOLUM

Analytical Report

Lab Order **2212338**Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-13

Project: Trunk 6C Kutz Wash Collection Date: 12/6/2022 2:30:00 PM

Lab ID: 2212338-008 **Matrix:** AQUEOUS **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 3:11:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 3:11:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 3:11:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 3:11:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.8	70-130	%Rec	1	12/13/2022 3:11:00 AM	R93215
Surr: Dibromofluoromethane	93.5	70-130	%Rec	1	12/13/2022 3:11:00 AM	R93215
Surr: Toluene-d8	90.9	70-130	%Rec	1	12/13/2022 3:11:00 AM	R93215

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

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 Quantitative 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

pH Not In Range
ng Limit Page 8 of 11

Analytical Report

Lab Order 2212338 Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: Trip Blank

Project: Trunk 6C Kutz Wash **Collection Date:**

Lab ID: 2212338-009 Matrix: AQUEOUS **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 3:34:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 3:34:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 3:34:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 3:34:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	84.7	70-130	%Rec	1	12/13/2022 3:34:00 AM	R93215
Surr: Dibromofluoromethane	92.8	70-130	%Rec	1	12/13/2022 3:34:00 AM	R93215
Surr: Toluene-d8	90.7	70-130	%Rec	1	12/13/2022 3:34:00 AM	R93215

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

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212338** *19-Dec-22*

Client: ENSOLUM

Project: Trunk 6C Kutz Wash

Sample ID: 100ng lcs 2	SampType: LCS TestCode: EPA Me						od 8260: Volatiles Short List					
Client ID: LCSW	Batch ID: R93215 RunNo: 93215											
Prep Date:	Analysis D	ate: 12	/12/2022	5	SeqNo: 3359432 Un							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	20	1.0	20.00	0	101	70	130					
Toluene	20	1.0	20.00	0	102	70	130					
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.4	70	130					
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130					
Surr: Dibromofluoromethane	9.3		10.00		93.1	70	130					
Surr: Toluene-d8	9.4		10.00		93.5	70	130					

Sample ID: mb 2	Samp	SampType: MBLK			TestCode: EPA Method 8260: Volatiles Short List					
Client ID: PBW	Batcl	Batch ID: R93215			RunNo: 9	3215				
Prep Date:	Analysis [Date: 12	2/12/2022	\$	SeqNo: 3;	359433	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	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.9	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

Sample ID: 2212338-001ams	SampT	ype: MS	3	TestCode: EPA Method 8260: Volatiles Short List						
Client ID: MW-7	Batcl	n ID: R9 :	3215	F	RunNo: 93	3215				
Prep Date:	Analysis D	Date: 12	/13/2022	5	SeqNo: 3359435 Units: μg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.6	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	70	130			
Surr: Dibromofluoromethane	8.9		10.00		89.4	70	130			
Surr: Toluene-d8	9.4		10.00		93.9	70	130			

Sample ID:	2212338-001amsd	SampT	уре: МЅ	SD .	Tes	TestCode: EPA Method 8260: Volatiles Short List					
Client ID:	MW-7	Batch	Batch ID: R93215			RunNo: 93	3215				
Prep Date:		Analysis D	alysis Date: 12/13/2022 SeqNo: 3359436				Units: µg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	98.8	70	130	3.53	20	
Toluene		20	1.0	20.00	0	102	70	130	3.41	20	

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

Page 10 of 11

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212338

19-Dec-22

Client: ENSOLUM

Project: Trunk 6C Kutz Wash

Sample ID: 2212338-001amsd	SampT	SampType: MSD			TestCode: EPA Method 8260: Volatiles Short List					
Client ID: MW-7	Batch ID: R93215			F	RunNo: 93215					
Prep Date:	Analysis Date: 12/13/2022			SeqNo: 3359436			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.2		10.00		81.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130	0	0	
Surr: Dibromofluoromethane	8.9		10.00		88.7	70	130	0	0	
Surr: Toluene-d8	9.4		10.00		93.5	70	130	0	0	

Qualifiers:

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

Page 11 of 11

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	1	Work	Order Num	ber: 2212	338		RcptN	lo: 1
Received By:	Juan Roj	ae	12/7/20	22 7:10:00	ΔNA		Hoursal		
•	_						_		
Completed By:	Tracy Cas			22 11:13:29	3 AW				
Chain of Cust	tod <u>y</u>								
1. Is Chain of Cu	stody comp	lete?			Yes	V	No 🗌	Not Present	
2. How was the	sample deliv	vered?			Cour	<u>ier</u>			
Log In 3. Was an attem	pt made to	cool the samp	oles?		Yes	✓	No 🗌	NA 🗆	
4. Were all samp	les received	l at a tempera	ature of >0° C	to 6.0°C	Yes	✓	No 🗌	NA 🗆	
5. Sample(s) in p	oroper conta	iner(s)?			Yes	~	No 🗌		
6. Sufficient sam	ple volume t	for indicated t	est(s)?		Yes	✓	No 🗆		
7. Are samples (e	except VOA	and ONG) pr	operly preserve	ed?	Yes	✓	No 🗌		
8. Was preservat	ive added to	bottles?			Yes		No 🗹	NA 🗆	
9. Received at lea	ast 1 vial wi	th headspace	<1/4" for AQ \	OA?	Yes	V	No 🗌	na 🗌	
10. Were any sam	ple contain	ers received b	oroken?		Yes	LJ	No 🗹	# of preserved	
11. Does paperwo (Note discrepa			<i>r</i>)		Yes	✓	No 🗌		or >12 unless noted)
12. Are matrices c	orrectly ider	tified on Cha	in of Custody?		Yes	Y	No 🗌	Adjusted?	
[3] Is it clear what		-	i ?		Yes		No 🗌		-T
14. Were all holdin (If no, notify cu	-				Yes	V	No 📗	Checked by:	The 12/7/0
Special Handli	ng (if app	olicable)							
15. Was client not	ified of all d	iscrepancies	with this order?		Yes		No 🗌	NA 🗹	
Person I	Notified:			Date	Γ				
By Who				Via:	□ еМа	il 🗌	Phone \square Fax	In Person	
Regardin									
	structions:								
16. Additional ren									
17. Cooler Inform	The Property States	0-111	1.						
Cooler No	Temp °C 0.4	Condition Good	Seal Intact Yes	Seal No	Seal Da	te	Signed By		
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Chain-of-Custody Record	Turn-Around Time:	I A THE SHAFFING THE STATE OF T
Client:	X Standard Rush	ANAI YSTS I ABORATORY
	 	www.hallenvironmental.com
Mailing Address: 606 S. R. Sociande Suite A		4901 Hawkins NE - Albuquerque, NM 87109
-	Project #:	Tel. 505-345-3975 Fax 505-345-4107
	55A1226011	Analysis Request
email or Fax#: L'Samme co onsolumeson Project Manager:	Project Manager:	*OS
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	and the source and the source of the source as the source of this	s possibility. Any sub-contracted data will be clearly notated on the apalydical report



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

December 19, 2022

Kyle Summers
ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Trunk 6C Kutz Wash OrderNo.: 2212499

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/8/2022 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-6

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/7/2022 11:05:00 AM

 Lab ID:
 2212499-001
 Matrix: AQUEOUS
 Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 3:57:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 3:57:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 3:57:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 3:57:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.4	70-130	%Rec	1	12/13/2022 3:57:00 AM	R93215
Surr: Dibromofluoromethane	90.9	70-130	%Rec	1	12/13/2022 3:57:00 AM	R93215
Surr: Toluene-d8	90.4	70-130	%Rec	1	12/13/2022 3:57:00 AM	R93215

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

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

Page 1 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/7/2022 11:30:00 AM

 Lab ID:
 2212499-002
 Matrix: AQUEOUS
 Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 4:20:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 4:20:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 4:20:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 4:20:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	84.2	70-130	%Rec	1	12/13/2022 4:20:00 AM	R93215
Surr: Dibromofluoromethane	91.5	70-130	%Rec	1	12/13/2022 4:20:00 AM	R93215
Surr: Toluene-d8	90.3	70-130	%Rec	1	12/13/2022 4:20:00 AM	R93215

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

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

Page 2 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-9

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/7/2022 11:55:00 AM

 Lab ID:
 2212499-003
 Matrix: AQUEOUS
 Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 4:42:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 4:42:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 4:42:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 4:42:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	82.6	70-130	%Rec	1	12/13/2022 4:42:00 AM	R93215
Surr: Dibromofluoromethane	93.4	70-130	%Rec	1	12/13/2022 4:42:00 AM	R93215
Surr: Toluene-d8	88.3	70-130	%Rec	1	12/13/2022 4:42:00 AM	R93215

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

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

Page 3 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

Project: Trunk 6C Kutz Wash Collection Date: 12/7/2022 12:55:00 PM Lab ID: 2212499-004 Matrix: AQUEOUS Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/13/2022 5:05:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 5:05:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 5:05:00 AM	R93215
Xylenes, Total	ND	1.5	μg/L	1	12/13/2022 5:05:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	86.0	70-130	%Rec	1	12/13/2022 5:05:00 AM	R93215
Surr: Dibromofluoromethane	94.9	70-130	%Rec	1	12/13/2022 5:05:00 AM	R93215
Surr: Toluene-d8	89.3	70-130	%Rec	1	12/13/2022 5:05:00 AM	R93215

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

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 4 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/7/2022 1:15:00 PM

 Lab ID:
 2212499-005
 Matrix: AQUEOUS
 Received Date: 12/8/2022 7:20:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: CCM Benzene ND 1.0 μg/L 12/13/2022 5:28:00 AM R93215 Toluene ND 1.0 μg/L 12/13/2022 5:28:00 AM R93215 1 Ethylbenzene ND 1.0 μg/L 12/13/2022 5:28:00 AM R93215 Xylenes, Total ND μg/L 1 12/13/2022 5:28:00 AM R93215 1.5 Surr: 1,2-Dichloroethane-d4 84.9 70-130 %Rec 12/13/2022 5:28:00 AM R93215 Surr: Dibromofluoromethane 93.1 70-130 %Rec 1 12/13/2022 5:28:00 AM R93215 Surr: Toluene-d8 89.8 70-130 %Rec 12/13/2022 5:28:00 AM R93215

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

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

Page 5 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-17

Project: Trunk 6C Kutz Wash **Collection Date:** 12/7/2022 1:35:00 PM Lab ID: 2212499-006 Matrix: AQUEOUS Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	36	1.0	μg/L	1	12/13/2022 5:51:00 AM	R93215
Toluene	ND	1.0	μg/L	1	12/13/2022 5:51:00 AM	R93215
Ethylbenzene	ND	1.0	μg/L	1	12/13/2022 5:51:00 AM	R93215
Xylenes, Total	2.6	1.5	μg/L	1	12/13/2022 5:51:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.8	70-130	%Rec	1	12/13/2022 5:51:00 AM	R93215
Surr: Dibromofluoromethane	89.9	70-130	%Rec	1	12/13/2022 5:51:00 AM	R93215
Surr: Toluene-d8	94.2	70-130	%Rec	1	12/13/2022 5:51:00 AM	R93215

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

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 6 of 8

Date Reported: 12/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1

 Project:
 Trunk 6C Kutz Wash
 Collection Date: 12/7/2022 2:05:00 PM

 Lab ID:
 2212499-007
 Matrix: AQUEOUS
 Received Date: 12/8/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	400	20	μg/L	20	12/13/2022 6:14:00 AM	R93215
Toluene	30	20	μg/L	20	12/13/2022 6:14:00 AM	R93215
Ethylbenzene	64	20	μg/L	20	12/13/2022 6:14:00 AM	R93215
Xylenes, Total	160	30	μg/L	20	12/13/2022 6:14:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	78.8	70-130	%Rec	20	12/13/2022 6:14:00 AM	R93215
Surr: Dibromofluoromethane	85.0	70-130	%Rec	20	12/13/2022 6:14:00 AM	R93215
Surr: Toluene-d8	96.0	70-130	%Rec	20	12/13/2022 6:14:00 AM	R93215

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

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

Page 7 of 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2212499 21-Dec-22

WO#:

Client: ENSOLUM

Project: Trunk 6C Kutz Wash

Sample ID: 100ng lcs 2	SampT	ype: LC :	S	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: LCSW	Batch	Batch ID: R93215 RunNo: 93215								
Prep Date:	Analysis D	Date: 12	/12/2022	SeqNo: 3359432			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.4	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.1	70	130			
Surr: Toluene-d8	9.4		10.00		93.5	70	130			

Sample ID: mb 2	Samp1	ype: ME	BLK	Tes	stCode: EF	PA Method	8260: Volatile	s Short Li	ist	
Client ID: PBW	Batcl	n ID: R9	3215	F	RunNo: 93	3215				
Prep Date:	Analysis D	Date: 12	/12/2022	(SeqNo: 33	359433	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	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.9	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

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
- 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

Page 8 of 8



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: EN	SOLUM	Work Order Num	ber: 2212499		RcptNo: 1	
Received By: To	acy Casarrubias	12/8/2022 7:20:00	AM			
Completed By: Ti	acy Casarrubias	12/8/2022 11:20:36	6 AM			
Reviewed By: 8	ca izlaka	_				
Chain of Custoo	<u>'Y</u>					
1. Is Chain of Custo	dy complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sam	ple delivered?		Courier			
<u>Log In</u>						
Was an attempt n	nade to cool the samp	es?	Yes 🗹	No 🗌	NA 🗀	
4. Were all samples	received at a tempera	ture of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in prop	er container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated te	st(s)?	Yes 🗹	No 🗆		
7. Are samples (exce	ept VOA and ONG) pro	perly 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 b	roken?	Yes 📙	No 🗹	# of preserved	
11. Does paperwork n	natch bottle labels? es on chain of custody		Yes 🗹	No 🗆	bottles checked for pH: (<2 or >12	unless noted)
12. Are matrices corre			Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what and	lyses were requested	?	Yes 🗹	No 🗌	/ ,0	_
14. Were all holding ti	mes able to be met? mer for authorization.)		Yes 🗹	No 🗆	Checked by: KP	12-9-
Special Handling	(if applicable)					
15. Was client notified	d of all discrepancies v	vith this order?	Yes 🗌	No 🗌	NA 🗹	
Person Noti	fied:	Date	<i>*</i>			
By Whom:		Via:	eMail P	hone Fax	☐ In Person	
Regarding: Client Instru	ctions:					
16. Additional remark	(S:					
17. Cooler Informat		Cool Intest Cool M	Cool Date	Ciana d D		
Cooler No T	emp °C Condition Good	Seal Intact Seal No Yes	Seal Date	Signed By		

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	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis		PO¢, S	ەر 28270 NO ₂ ,	10 c	. 83 г, Ме г, М г, МО	EDB (Ma PAHs by CI, F, B 8260 (Ve 8270 (Se Total Co											Sil to Ensolun	1/8/12
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Turn-Around Time:	X Standard Rush	Project Name:	Trunk 60 Kutzwash	Project #:	05A1276011	Project Manager:	K Summer	Sampler: L. Danie /	olers:	Cooler Temp(including cF): 1.4-0.1-1.3 (°C)	Container Preservative HEAL No. Type 2213459	A Usch Co	700	003	KOO	200	000	000		/	Received by: Via: Date Time	Received by: Via: con Date Time	12/8/27 C
Chain-of-Custody Record	Client: Ensolum CCC		Mailing Address: 606 5. Bog ander Suite A	Asher NW 87410		email or Fax#: KSwmwrsoensohmcon	QA/QC Package: □ Standard □ Level 4 (Full Validation)	☐ Az Cor	□ EDD (Type)		Date Time Matrix Sample Name	7-WN 20:11 29/1/21	11:30 W NW-5	P-WM W 25:11.55/1/21	147/22 12:55 W MW-4	2-MM MW-2	12/2/13:35 W MW-17	12/7/214:05 W MW-1			Date: Time: Relinquished by:	Date: Time: Relinquished by:	

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Turn-Around T	☐ Standard	Project Name:	LUM	Project #:	A TO	Droipot Mono	Floject Mallay	Ż	Sampler:	Un Ice:	# or Coolers.		Container Type and #	3x your Ust						7					Received by:	Received by:
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District I
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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 264931

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	264931
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2021 GW Monitoring Report for Trunk 6C PipelineKutz Wash Release: Content Satisfactory 1 Continue semi-annual groundwater monitoring at the site. 2. As approved by NMOCD, suspension of sampling wells may commence: MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-14 and MW-15. 3. Submit the 2023 Annual Groundwater Report for the site no later than April 1, 2024. Review of the 2022 GW Monitoring Abatement Plan for Trunk 6C Pipeline-Kutz Wash Release: Content Satisfactory 1. Continue to monitor on a semi-annual basis while Stage 1 Abatement is awaiting approval. 2. Upload Stage 1 Abatement Plan into the Incident file for consideration. 3. Continue to submit and upload 2023 GW Monitoring Report by or before April 1, 2024.	9/15/2023