

September 6, 2023

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

Submitted online via OCD E-Permitting: https://wwwapps.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] Re Submittal2: 2022 Groundwater Monitoring [Annual] Re RE: Enterprise Field Services, LLC Trunk 6C Pipeline - Kutz Wash Release (09/22/11 San Juan County, New Mexico [SW ¼, S26 T28N OCD RP: 3R-438; OCD Abatement Plan No. 131; Groundwater Monitoring at the site.

Dear Mr. Velez:

 As approved by NMOCD, suspension of sampling wells

Enterprise Products Operating LLC (Enterprise), on beha may Boompese FiMWS3, MWs4, LC, is pleased to provide the New Mexico (NM) Energy, Minerals and MW45, MWs5, MWs3, MWs4, LC, is pleased to conservation Division (OCD) with an electronic copy (uplo MW49, MW-10, MW413, MWs13, MWs3, MWs3,

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 site-specific 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 <u>GEMiller@eprod.com</u>.

Sincerely,

Gregory E Miller

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

Rodney M. Sartor, REM Sr. Director, Environmental

cc: BLM, Farmington, NM – Mr. Ryan Joyner <6251 College Blvd., Suite A, Farmington, NM 87402> ec: NMOCD, Aztec, NM - Mr. Nelson Velez < <u>Nelson.Velez@state.nm.us</u>> NMOCD, Santa Fe, NM – Mr. Jim Griswold <<u>Jim.Griswold@state.nm.us</u>> NMOCD, Santa Fe, NM – Mr. Brad Billings <<u>Bradford.Billings@state.nm.us</u>> Ensolum, Houston, TX – Mr. Marc E. Gentry <<u>MGentry@ensolum.com</u>>

P.O. Box 4324 Houston, Texas 77210-4324 713.381.6500 Released to Imaging: 9/15/2023 9:46:06 AM 1100 Louisiana Street Houston, Texas 77002-5227 www.epplp.com

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

umm

Kyle Summers Senior Project Manager

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

E ENSOLUM

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 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.



TABLE OF CONTENTS

1.0	INTRODUCTION. 1.1 Site Description & Background. 1.2 Project Objective.	1
2.0	GROUNDWATER MONITORING 2.1 Groundwater Sampling Program 2.2 Groundwater Laboratory Analytical Methods 2.3 Groundwater Flow Direction 2.4 Data Evaluation	2 3 4
3.0	FINDINGS	5
4.0	RECOMMENDATIONS	5
5.0	 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE. 5.1 Standard of Care. 5.2 Limitations. 5.3 Reliance. 	6 6

LIST OF APPENDICES

Appendix A:	Figures	
••	Figure 1	Topographic Map
	Figure 2	Site Vicinity Map
	Figure 3	Site Map
	Figure 4A	Groundwater Gradient Map (June 2021)
	Figure 4B	Groundwater Gradient Map (December 2021)
	Figure 5A	Groundwater Quality Standard (GQS) Exceedance Zone Map (June 2021)
	Figure 5B	Groundwater Quality Standard (GQS) Exceedance Zone Map (December 2021)
Appendix B:	Tables	
- PP	Table 1 Table 2	Groundwater Analytical Summary Groundwater Elevations
Appendix C:	-	<pre>/ Data Sheets & ustody Documentation</pre>

.

ENSOLUM

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**.

ENSOLUM

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.¹ 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.

<u>June 2021</u>

- The June 2021 analytical results for monitoring wells MW-1 and MW-17 indicate benzene concentrations of 750 micrograms per liter (μ g/L) and 13 μ g/L, respectively, which exceed the WQCC GQS of 10 μ g/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 μ g/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.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 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

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.

2021 Groundwater Monitoring Report Enterprise Field Services, LLC Trunk 6C Kutz Wash Pipeline Release March 25, 2022

indicates a benzene concentration of 4.3 μ g/L, which is below the WQCC GQS of 10 μ g/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 μ g/L.¹

- 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.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 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.

2021 Groundwater Monitoring Report Enterprise Field Services, LLC Trunk 6C Kutz Wash Pipeline Release March 25, 2022

- 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.

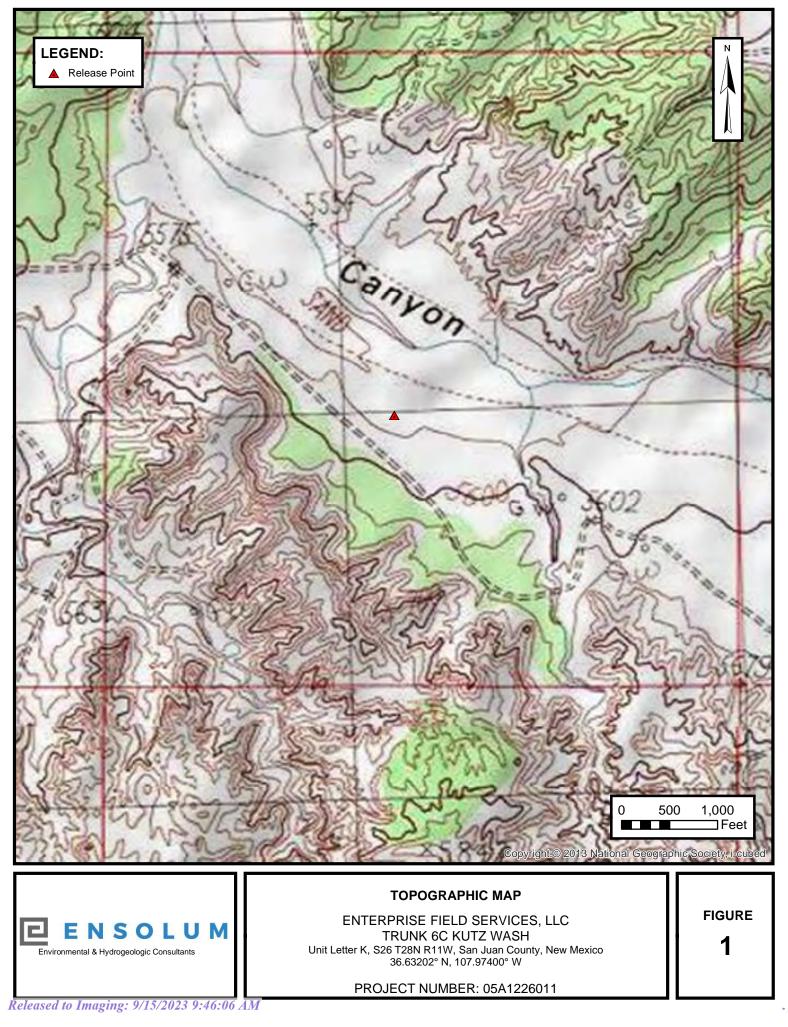
5.3 Reliance

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.

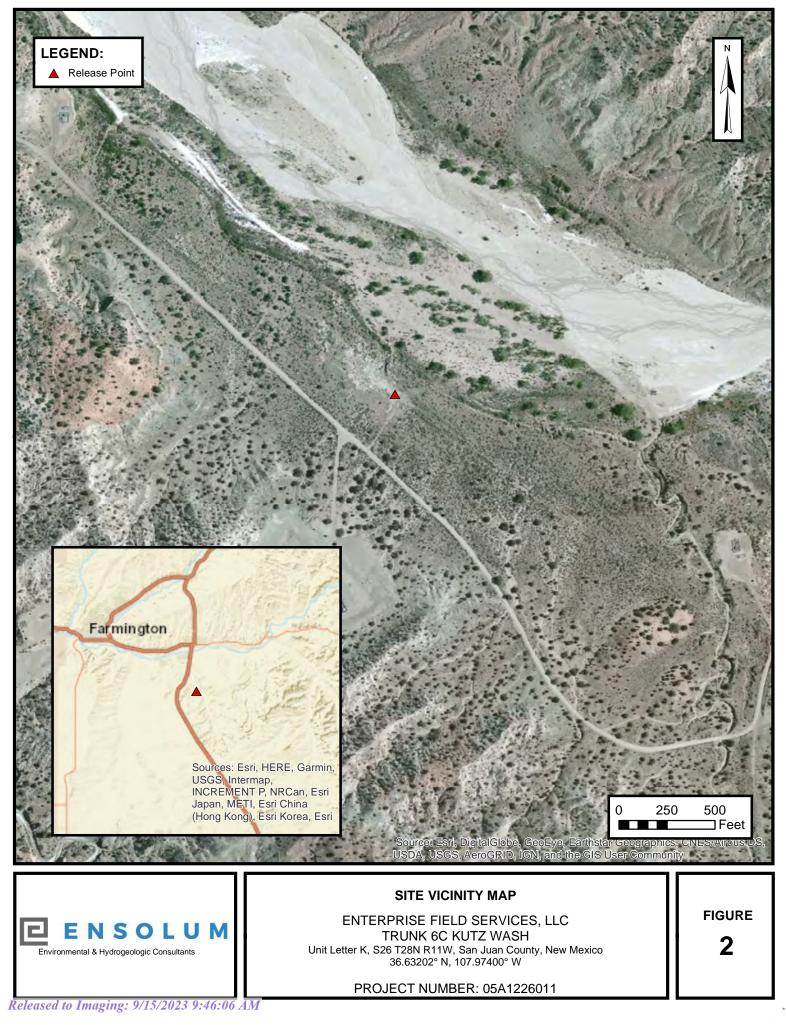


APPENDIX A

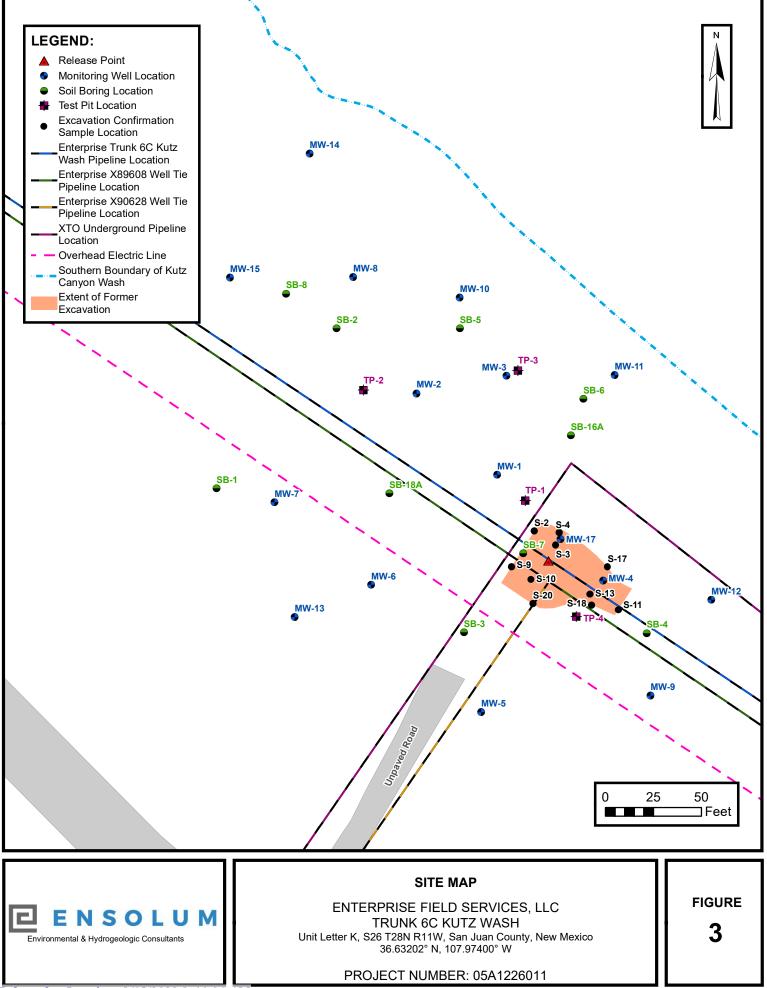
Figures



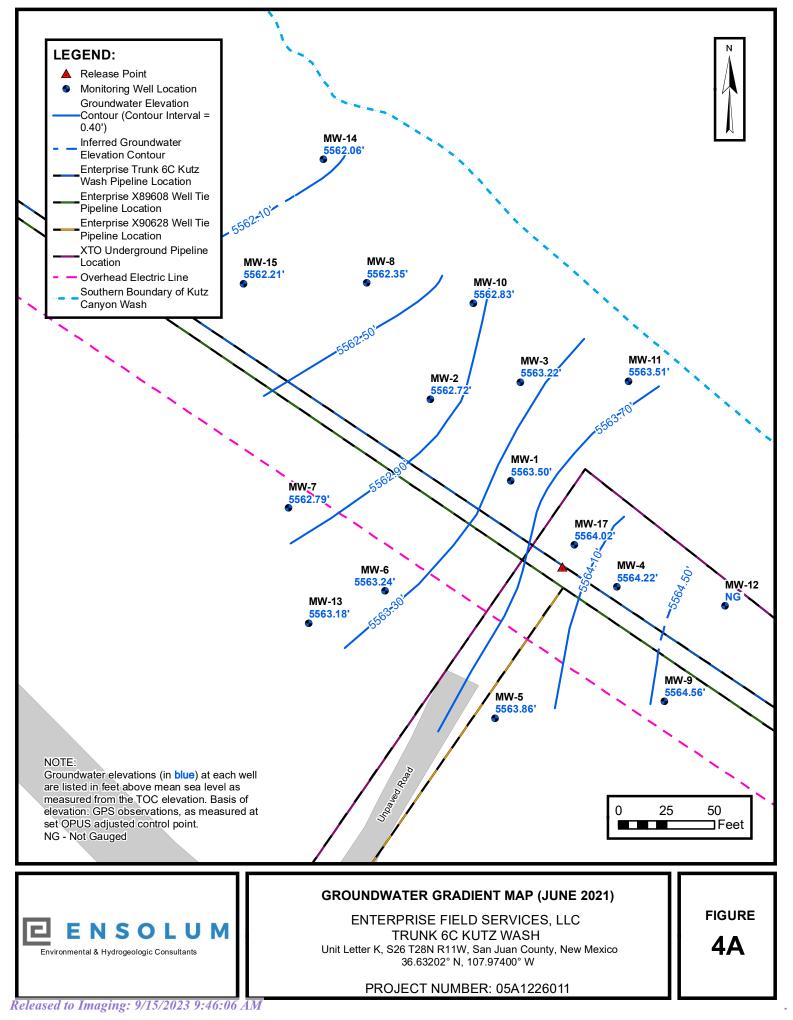
Received by OCD: 9/13/2023 12:44:58 PM



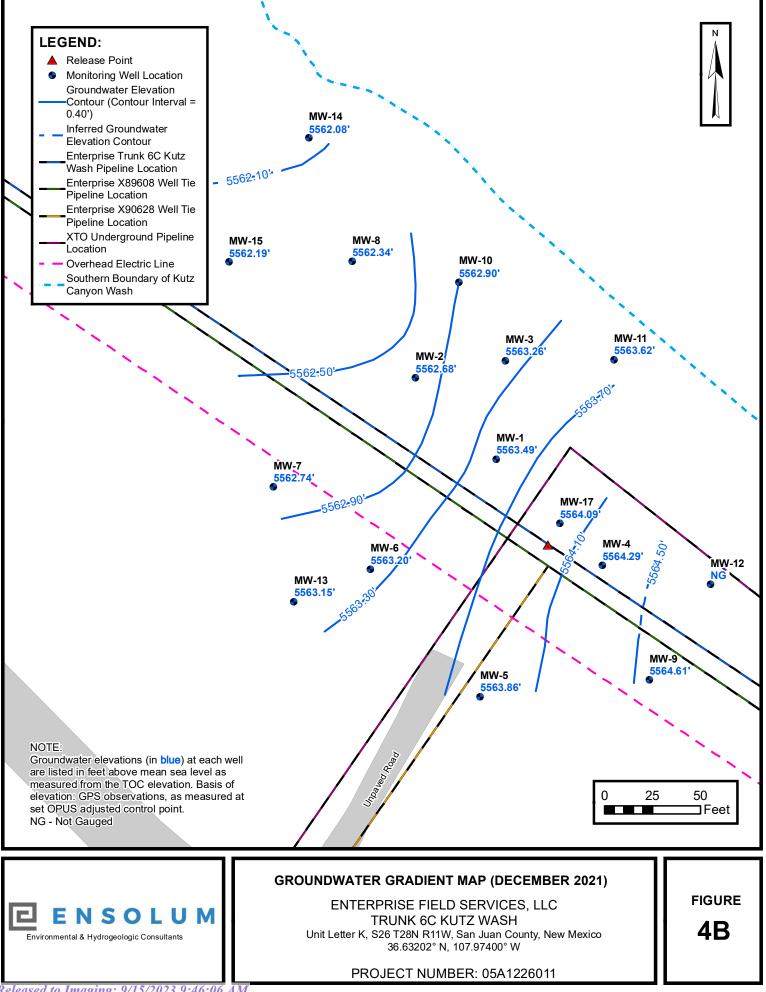
Received by OCD: 9/13/2023 12:44:58 PM



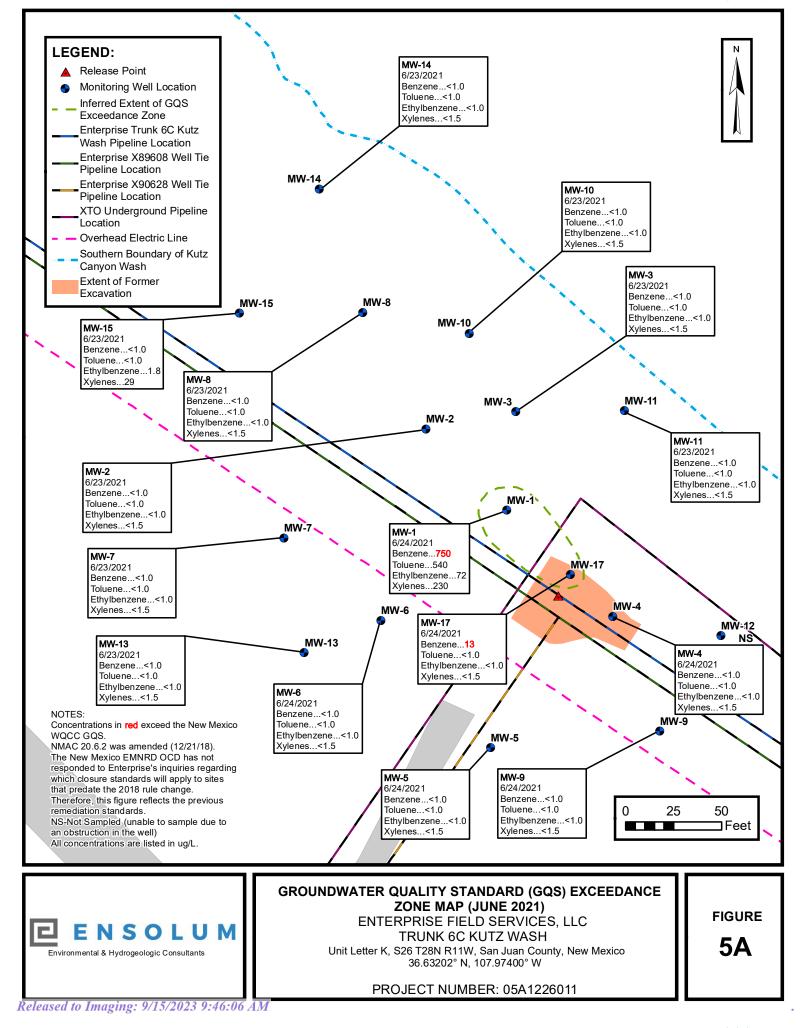
Released to Imaging: 9/15/2023 9:46:06 AM

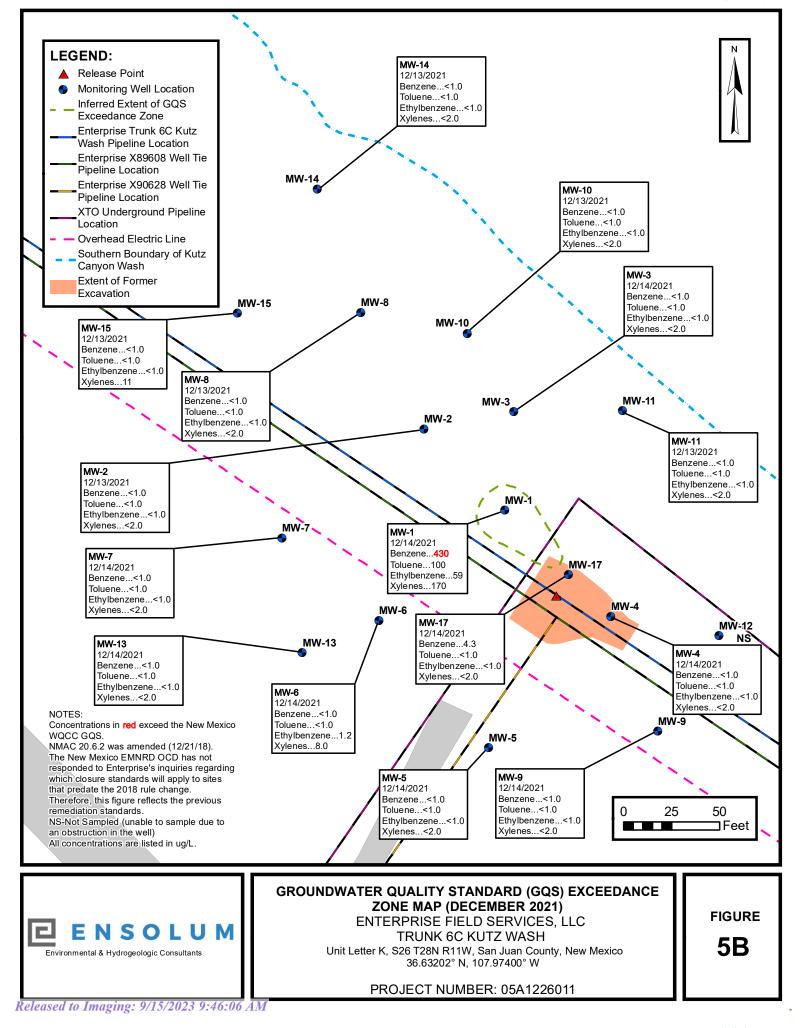


Received by OCD: 9/13/2023 12:44:58 PM



Released to Imaging: 9/15/2023 9:46:06 AM







APPENDIX B

Tables

		TABLE 1			
		Trunk 6C Kutz \	Nash		
	GROU	NDWATER ANALYTIC	CAL SUMMARY		
Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)
New Mexico Water Quality Cor	ntrol Commmission Groundwater	10 ^A		750 ^A	(µg, =) 620 ^A
Quality	Standards		750 ^A		
	9.7.12 12.20.12	2,200 1,100	350 250	68 37	650 180
	3.20.13	NAPL	NAPL	NAPL	NAPL
	6.19.13 9.17.13	NAPL NAPL	NAPL NAPL	NAPL NAPL	NAPL NAPL
	12.16.13	NAPL	NAPL	NAPL	NAPL
	3.14.15	NAPL	NAPL	NAPL	NAPL
	9.9.15 6.15.15	<u>1,900</u> 6,900	440 2,700	54 170	400 1,400
	12.7.15	3,900	1,400	120	870
MW-1	6.02.16 12.20.16	<u>1,400</u> 76	850 59	41 2.5	330 23
	6.28.17	3,500	4,200	180	1,800
	1.10.18	1,300	710	59	350
	6.22.18 12.14.18	<u>3,800</u> 590	2,400 400	140 33	740 99
	8.21.19	800	510	46	150
	1.13.20	940	540	61	190
	6.4.20 11.24.20	<u>1,400</u> 730	740 290	95 61	270 180
	6.24.21	750	540	72	230
	12.14.21	430	100	59	170
	9.7.12 12.20.12	270 26	1,100 49	66 5.1	1,800 250
	3.20.13	<5.0	<5.0	<5.0	67
	6.19.13 9.17.13	NAPL NAPL	NAPL NAPL	NAPL NAPL	NAPL NAPL
	12.16.13	NAPL	NAPL	NAPL	NAPL
	3.14.14	1,200	1,600	74	660
	9.9.14 6.15.15	78 <1.0	76 1.1	2.9 <1.0	110 44
	12.7.15	<1.0	<1.0	<1.0	13
MW-2	6.02.16	<1.0	<1.0	<1.0	<2.0
	12.19.16 6.27.17	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <2.0
	1.09.18	<1.0	<1.0	<1.0	<2.0
	6.21.18 12.14.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <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 11.24.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <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 12.20.12	<2.0 <2.0	<2.0 <2.0	<2.0 <2.0	<4.0 <4.0
	3.20.13	<2.0	<2.0	<2.0	<4.0
	6.19.13	780	130	2.5	15
	9.18.13 12.16.13	<u>150</u> 660	28 340	<5.0 16	15 130
	3.14.14	200	86	4.0	49
	9.9.14	2.5	1.7	<1.0	3.3
	6.12.15 12.7.15	<u> </u>	<1.0 <1.0	<1.0 <1.0	2.2 <2.0
MW-3	6.02.16	<1.0	<1.0	<1.0	<2.0
C- 4 4 141	12.19.16	<1.0	<1.0	<1.0	<1.5
	6.28.17 1.09.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0
	1.09.10			<1.0	<1.5
	6.21.18	<1.0	<1.0		
	6.21.18 12.14.18	<1.0	<1.0	<1.0	<2.0
	6.21.18				
	6.21.18 12.14.18 8.21.19 1.10.20 6.4.20	<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 <1.5
	6.21.18 12.14.18 8.21.19 1.10.20	<1.0 <1.0 <1.0	<1.0 <1.0 <1.0	<1.0 <1.0 <1.0	<2.0 <2.0 <2.0

		TABLE 1			
		Trunk 6C Kutz \			
	GROUN	IDWATER ANALYTIC	CAL SUMMARY		
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 6.19.13	290 600	110 45	<2.0 <10	15 <20
	9.18.13	830	39	<10	<20
	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
MW-4	6.02.16 12.19.16	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <1.5
	6.28.17	<1.0	<1.0	<1.0	<1.5
	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
	<u>11.24.20</u> 6.24.21	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <1.5
	12.14.21	<1.0	<1.0	<1.0	<1.5
	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	<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
	<u>3.14.14</u> 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
	12.4.15	<1.0	<1.0	<1.0	<2.0
MW-5	6.02.16	<1.0	<1.0	<1.0	<2.0
11111-0	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 6.21.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <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 12.14.21	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <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	<5.0	140	990
	3.14.14	<1.0 <5.0	<1.0	150 49	990 400
	9.9.14 6.12.15	<5.0	<5.0 <5.0	49 89	<u>400</u> 590
	12.15	<5.0	<5.0 <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	<1.0 <1.0	<2.0 <2.0
	1.10.20 6.5.20	<1.0	<1.0 <1.0	<1.0 5.1	<2.0 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

		TABLE 1			
	0000	Trunk 6C Kutz			
O survey la L D				Etherithease	Valence
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	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	2.4
	3.20.13	<2.0 <1.0	<2.0 <1.0	<2.0 <1.0	<4.0 <2.0
	6.19.13 9.17.13	<1.0	<1.0	<1.0	<2.0
	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	<1.0 <1.0	<2.0
	6.12.15 12.7.15	<1.0 <1.0	<1.0	<1.0	<2.0 <2.0
N04/ 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 6.21.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <1.5
	12.13.18	<1.0	<1.0	<1.0	<1.5
	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 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
	9.7.12	41	40	3.8	320
	12.20.12	<2.0	<2.0	<2.0	20
	3.20.13	<u>41</u> 21	36 12	<2.0 <1.0	89
	6.19.13 9.18.13	<1.0	<1.0	3.4	6.8 27
	12.16.13	18	21	5.1	74
	3.14.14	66	190	10	210
	9.9.14 6.15.15	NAPL** <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
	12.19.16	<1.0	<1.0	<1.0	2.1
	6.27.17 1.09.18	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <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 6.5.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 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 9.7.12	<1.0 <2.0	<1.0 2.4	<1.0 <2.0	<2.0 <4.0
	511/				~ 4.0
					<4 0
	12.20.12 3.20.13	<2.0 <2.0 <2.0	<pre>2.4 <2.0 <2.0</pre>	<2.0 <2.0 <2.0	<4.0 <4.0
	12.20.12 3.20.13 6.19.13	<2.0 <2.0 <1.0	<2.0 <2.0 <1.0	<2.0 <2.0 <1.0	<4.0 <2.0
	12.20.12 3.20.13 6.19.13 9.17.13	<2.0 <2.0 <1.0 <1.0	<2.0 <2.0 <1.0 <1.0	<2.0 <2.0 <1.0 <1.0	<4.0 <2.0 <1.5
	12.20.12 3.20.13 6.19.13 9.17.13 12.16.13	<2.0 <2.0 <1.0 <1.0 1.5	<2.0 <2.0 <1.0 <1.0 3.5	<2.0 <2.0 <1.0 <1.0 2.9	<4.0 <2.0 <1.5 12
	12.20.12 3.20.13 6.19.13 9.17.13	<2.0 <2.0 <1.0 <1.0	<2.0 <2.0 <1.0 <1.0	<2.0 <2.0 <1.0 <1.0	<4.0 <2.0 <1.5
	12.20.12 3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15	<2.0 <2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0	<pre><2.0 <2.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <2.0 <1.0</pre>	<2.0 <2.0 <1.0 2.9 <1.0 <2.0 <1.0 <2.0 <1.0	<4.0 <2.0 <1.5 12 <3.0 <4.0 <2.0
	12.20.12 3.20.13 6.19.13 9.17.13 12.16.13 3.14.14 9.9.14 6.11.15 12.4.15	<2.0 <2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0 <1.0 <1.0	<pre><2.0 <2.0 <1.0 <1.0 3.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre>	<2.0 <2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0	<4.0
MW-9	12.20.12 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 <2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0	<pre><2.0 <2.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1</pre>	<2.0 <2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0	<4.0
MW-9	12.20.12 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	<pre><2.0 <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</pre>	<pre><2.0 <2.0 <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</pre>	<2.0 <2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<pre><4.0 <2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <1.5</pre>
MW-9	12.20.12 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	<2.0 <2.0 <1.0 <1.0 1.5 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0	<pre><2.0 <2.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1</pre>	<2.0 <2.0 <1.0 <1.0 2.9 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0	<4.0
MW-9	12.20.12 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	<pre><2.0 <2.0 <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</pre>	<2.0	<2.0	<pre><4.0 <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 <1.5</pre>
MW-9	12.20.12 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	<pre><2.0 <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</pre>	<2.0	<pre><2.0 </pre> <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 <1.0 <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 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<4.0 <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	12.20.12 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	<pre><2.0 <2.0 <1.0 <1.0 1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre>	<2.0	<2.0	<4.0 <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 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0
MW-9	12.20.12 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	<pre><2.0 <2.0 <1.0 <1.0 1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre>	<2.0	<2.0	<pre><4.0 <2.0 <1.5 12 <3.0 <4.0 <2.0 <2.0 <2.0 <2.0 <2.0 <1.5 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0</pre>
MW-9	12.20.12 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	<pre><2.0 <2.0 <1.0 <1.0 1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre>	<2.0	<2.0	<pre><4.0 <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 <1.5 <2.0 <2.0 <2.0 <3.5 <2.0 <3.5 <3.5 <3.5 <3.5 <3.5 <3.5 <3.5 <3.5</pre>
MW-9	12.20.12 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	<pre><2.0 <2.0 <1.0 <1.0 1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre>	<2.0	<2.0	<4.0

	GROU	Trunk 6C Kutz			
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		(μg/L)	(µg/L)	(µg/L)	(µg/L)
w Mexico Water Quality Contr Quality St	rol Commmission Groundwater tandards	10 ^A	750 ^A	750 ^A	620 ^A
	12.16.13	950	34	12	39
_	3.14.14 9.9.14	<u> </u>	4.0 <10	16 34	27 <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 6.27.17	4.8	<1.0 <1.0	<1.0 <1.0	<1.5 <2.0
MW-10	1.10.18	<1.0	<1.0	<1.0	<2.0
-	6.22.18	5.0	<1.0	<1.0	2.7
_	12.14.18	<1.0	<1.0	<1.0	<2.0
_	8.22.19 1.13.20	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0
F	6.4.20	<1.0	<1.0	<1.0	<2.0
-	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
F	12.16.13 3.14.14	2.6 <1.0	3.5	<1.0 <1.0	6 <3.0
F	9.9.14	<1.0	<1.0	<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
-	6.03.16	<1.0	<1.0	<1.0	<2.0
-	12.20.16 6.28.17	<1.0	<1.0 Insufficient volume	<1.0	<1.5
MW-11	1.10.18	<1.0	<1.0	<1.0	<1.5
	6.22.18	<1.0	<1.0	<1.0	<1.5
	12.14.18	<1.0	<1.0	<1.0	<2.0
-	8.22.19	<1.0	<1.0	<1.0	<2.0
-	1.14.20 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	<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 9.9.14	<1.0 <2.0	<1.0 <2.0	<1.0 <2.0	<3.0 <4.0
	6.12.15		Casing Ot		
	12.4.15		Casing Ot	ostruction	
-	6.02.16		Casing Ob		
-	12.20.16 6.27.17		Casing Ot Casing Ot		
MW-12	1.10.18		Casing Of		
	6.21.18		Casing Ot	ostruction	-
F	12.13.18		Casing Ot		
-	8.22.19 1.10.20		Casing Ol Casing Ol		
-	6.4.20		Casing Of		
_	11.24.20		Casing Ot	ostruction	
F	6.24.21		Casing Ol		
	12.15.21 12.16.13	4.4	Casing Ot 5.1	1.2	8
F	3.14.14	<u>4.4</u> <1.0	5.1 <1.0	<1.0	8 <3.0
-	9.9.14	<2.0	<2.0	<2.0	<4.0
	6.15.15	<1.0	<1.0	<1.0	<2.0
Ļ	12.4.15	<1.0	<1.0	<1.0	<2.0
-	6.03.16 12.20.16	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <1.5
-	6.27.17	<1.0	<1.0	<1.0	<2.0
MW-13	1.10.18	<1.0	<1.0	<1.0	<2.0
ļ	6.22.18	<1.0	<1.0	<1.0	<1.5
F	12.14.18 8.22.19	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0
F	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 12.14.21	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.5 <2.0

Page	24	of .	159
------	----	------	-----

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY								
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes			
		(μg/L)	(µg/L)	(µg/L)	(µg/L)			
	ntrol Commmission Groundwater Standards	10 ^A	750 ⁴	750 ⁴	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			
	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			
	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			

^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.

 $\mu g/L = micrograms per liter$

NAPL = Non-aqueous phase liquid

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

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

.

				TABLE 2					
			Trun	ik 6C Kutz W	lash				
				DWATER ELEV					
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 BIOC)	(leet BIOC)		(leet BIOC)	(leer BTOC)	(Idet AWSL)	(Ieet AWSL)	
	9.7.12 12.20.12	ND ND	15.78	ND ND	-			5563.95 5564.04	
	3.20.12	15.31	15.69 15.73	0.42				5564.31	
	6.19.13	15.49	15.75	0.26	1			5564.17	
	9.17.13 12.16.13	15.79 15.59	16.27 15.75	0.48	-		5579.73	5563.81 5564.10	
	3.14.14	15.35	15.36	0.01				5564.38	
	9.9.14 6.10.15	15.98 15.29	15.99 15.30	0.01	4			5563.75 5564.44	
	12.04.15	ND	15.81	ND				5563.92	
MW-1*	6.02.16	ND	15.41	ND	27.43	10 40 07 40		5564.32	
10100-1	9.16.16 12.19.16	16.12 ND	16.13 15.83	0.01 ND	27.43	12.43-27.43		5563.31 5563.60	
	6.27.17	ND	15.39	ND				5564.04	
	1.09.18 6.21.18	ND ND	15.61 15.65	ND ND	-			5563.82 5563.78	
	12.13.18	ND	15.89	ND			5579.43	5563.54	
	8.20.19 1.07.20	ND ND	16.02 15.79	ND ND	-		0010.10	5563.41 5563.64	
	6.4.20	ND	15.63	ND	1			5563.80	
	11.24.20	ND	16.06	ND]			5563.37	
	6.23.21 12.13.21	ND ND	15.93 15.94	ND ND	-			5563.50 5563.49	
	9.7.12	ND	16.29	ND				5563.10	
	12.20.12 3.20.13	ND ND	16.22 15.97	ND ND	4		5570.00	5563.17 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 3.14.14	16.14 ND	16.22 15.89	0.08 ND			5579.39	5563.23 5563.50	
	9.9.14	ND	16.50	ND				5562.89	
	6.10.15	ND	15.81	ND		10.62-25.62	10.62-25.62	5563.58	
	12.04.15 6.02.16	ND ND	16.32 15.93	ND ND				5563.07 5563.46	
MW-2*	9.16.16	ND	16.61	ND	25.62			5562.54	
	12.19.16 6.27.17	ND ND	16.35 15.95	ND ND	-				5562.80 5563.20
	1.09.18	ND	16.13	ND	1		5579.15	5563.02	
	6.21.18 12.13.18	ND ND	16.19 16.45	ND ND				5562.96 5562.70	
	8.20.19	ND	16.52	ND				5562.63	
	1.07.20	ND	16.35	ND				5562.80	
	6.4.20 11.24.20	ND ND	16.16 16.62	ND ND					5562.99 5562.53
	6.23.21	ND	16.43	ND	1			5562.72	
	12.13.21 9.7.12	ND ND	16.47 15.98	ND ND				5562.68 5563.54	
	12.20.12	ND	15.79	ND	1			5563.73	
	3.20.13	ND	15.50	ND	4			5564.02	
	6.19.13 9.18.13	ND ND	15.66 15.96	ND ND	1			5563.86 5563.56	
	12.16.13	ND	15.70	ND	1		5579.52	5563.82	
	3.14.14 9.9.14	ND ND	15.39 16.10	ND ND	4			5564.13 5563.42	
	6.10.15	ND	15.28	ND	1			5564.24	
	12.04.15 6.02.16	ND ND	15.87 15.47	ND ND	{			5563.65 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	1			5563.48	
	12.13.18 8.20.19	ND ND	15.97 16.14	ND ND	-		5579.24	5563.27 5563.10	
	1.07.20	ND	15.85	ND	1			5563.39	
	6.4.20	ND ND	15.69	ND	4			5563.55 5563.11	
	11.24.20 6.23.21	ND ND	16.13 16.02	ND ND	1			5563.11 5563.22	
	12.13.21	ND	15.98	ND				5563.26	

				TABLE 2										
			True	k 6C Kutz W	lash									
				WATER ELEV										
Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater						
wen i.b.	Date	Product	Depth to water	Thickness	Well	Screen interval	TOC LIEVation	Elevation*						
		(feet BTOC)	(feet BTOC)		(feet BTOC)	(feet BTOC)	(feet AMSL)	(feet AMSL)						
	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	-			5565.11 5564.95						
	9.18.13	ND	15.74	ND	1			5564.62						
	12.16.13	ND	15.45	ND	1		5580.36	5564.91						
	3.14.14 9.9.14	ND ND	15.14 15.80	ND ND	4			5565.22 5564.56						
	6.10.15	ND	15.06	ND	1			5565.30						
	12.04.15	ND	15.56	ND				5564.80						
MW-4*	6.02.16	ND	15.22	ND	25.26	10.26.25.26		5565.14						
IVI VV -4	9.16.16 12.19.16	ND ND	15.92 15.55	ND ND	25.20	10.26-25.26		5564.03 5564.40						
	6.27.17	ND	15.22	ND	1			5564.73						
	1.09.18	ND	15.34	ND]			5564.61						
	6.21.18 12.13.18	ND ND	15.45 15.60	ND ND	4			5564.50 5564.35						
	8.20.19	ND	15.80	ND ND	1		5579.95	5564.15						
	1.07.20	ND	15.50	ND	1			5564.45						
	6.4.20	ND	15.41	ND				5564.54						
	11.24.20 6.23.21	ND ND	15.80 15.73	ND ND	4	4 1	-			- 1				5564.15 5564.22
	12.13.21	ND	15.66	ND				5564.29						
	9.7.12	ND	19.35	ND						5564.18				
	12.20.12 3.20.13	ND ND	19.28 19.10	ND ND	4			5564.25 5564.43						
	6.19.13	ND	19.10	ND ND				5564.32						
	9.17.13	ND	19.55	ND	1			5563.98						
	12.16.13	ND	19.28	ND			5583.53	5564.25						
	3.14.14 9.9.14	ND ND	19.03 19.58	ND ND	-			5564.50 5563.95						
	6.10.15	ND	18.98	ND	25.58			5564.55						
	12.04.15	ND	19.41	ND				5564.12						
MW-5*	6.02.16 9.16.16	ND ND	19.08 19.69	ND ND		10.58-25.58		5564.45 5563.72						
10100-5	12.19.16	ND	19.42	ND	23.30	10.56-25.56	10.30-23.30		5563.99					
	6.27.17	ND	19.12	ND	1			5564.29						
	1.09.18	ND	19.22 19.27	ND				5564.19						
	6.21.18 12.13.18	ND ND	19.27	ND ND			5583.41	5564.14 5563.97						
	8.20.19	ND	19.60	ND				5563.81						
	1.07.20	ND	19.39	ND				5564.02						
	6.4.20 11.24.20 ^A	ND ND	19.27	ND	1			5564.14						
	6.23.21	ND ND	20.66 19.55	ND ND	1			5562.75 5563.86						
	12.13.21	ND	19.55	ND	1			5563.86						
	9.7.12	ND	18.55	ND	1			5563.67						
	12.20.12 3.20.13	ND ND	18.49 18.27	ND ND	4			5563.73 5563.95						
	6.19.13	ND	18.38	ND	1			5563.84						
	9.18.13	ND	18.74	ND	1			5563.48						
	12.16.13	ND	18.46	ND	4		5582.22	5563.76						
	3.14.14 9.9.14	ND ND	18.21 18.75	ND ND	1			5564.01 5563.47						
	6.10.15	ND	18.16	ND	1			5564.06						
	12.04.15	ND	18.60	ND	4			5563.62						
MW-6*	6.02.16 9.16.16	ND ND	18.25 18.86	ND ND	25.50	10.50-25.50		5563.97 5563.12						
	12.19.16	ND	18.61	ND	20.00	10.00-20.00		5563.37						
	6.27.17	ND	18.29	ND	1			5563.69						
	1.09.18	ND ND	18.43	ND ND	4			5563.55						
	6.21.18 12.13.18	ND ND	18.47 18.70	ND ND	1			5563.51 5563.28						
	8.20.19	ND	18.79	ND	1		5581.98	5563.19						
	1.07.20	ND	18.61	ND	4			5563.37						
	6.4.20 11.24.20	ND ND	18.47 18.88	ND ND	4			5563.51 5563.10						
	6.23.21	ND	18.74	ND	1			5563.24						
	12.13.21	ND	18.78	ND	1			5563.20						

				TABLE 2				
			Trun	I ADLE Z	lash			
				DWATER ELEV				
Well I.D.	Date	Depth to	Depth to Water	Product	Total Depth of	Screen Interval	TOC Elevation	Groundwater
		Product	(feet BTOC)	Thickness	Well			Elevation*
		(feet BTOC)	(Teet BTOC)		(feet BTOC)	(feet BTOC)	(feet AMSL)	(feet AMSL)
	9.7.12	ND	19.03	ND				5563.21
	12.20.12 3.20.13	ND ND	18.97 18.79	ND ND	4			5563.27 5563.45
	6.19.13	ND	18.87	ND				5563.37
	9.17.13	ND	19.22	ND			5500.04	5563.02
	12.16.13 3.14.14	ND ND	18.46 18.73	ND ND	1		5582.24	5563.78 5563.51
	9.9.14	ND	19.24	ND	1			5563.00
	6.10.15	ND ND	18.65 19.10	ND ND	4			5563.59
	12.04.15 6.02.16	ND	19.10	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 6.27.17	ND ND	19.13 18.80	ND ND	4			5562.92 5563.25
	1.09.18	ND	18.95	ND	1			5563.10
	6.21.18	ND	18.98 19.22	ND	4			5563.07
	12.13.18 8.20.19	ND ND	19.22	ND ND	1		5582.05	5562.83 5562.74
	1.07.20	ND	19.14	ND	1			5562.91
	6.4.20 11.24.20	ND ND	19.00 19.39	ND ND	-			5563.05 5562.66
	6.23.21	ND	19.39	ND				5562.79
	12.13.21	ND	19.31	ND	1			5562.74
	9.7.12 12.20.12	ND ND	14.96 14.87	ND ND	4			5562.85 5562.94
	3.20.12	ND	14.63	ND				5563.18
	6.19.13	ND	14.74	ND				5563.07
	9.18.13 12.16.13	ND ND	15.08 14.81	ND ND			5577.81	5562.73 5563.00
	3.14.14	ND	14.53	ND			0011.01	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	4			5563.37 5562.84
	6.02.16	ND	14.61	ND	1			5563.20
MW-8*	9.16.16	ND ND	15.29	ND ND	24.78	9.78-24.78		5562.18
	12.19.16 6.27.17	ND	15.00 14.62	ND	-			5562.47 5562.85
	1.09.18	ND	14.80	ND	1		5577.47	5562.67
	6.21.18 12.13.18	ND ND	14.88 15.11	ND ND	-			5562.59 5562.36
	8.20.19	ND	15.22	ND	1			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	15.12	ND	1			5562.35
	12.13.21	ND	15.13	ND				5562.34
	9.7.12 12.20.12	ND ND	17.55 17.47	ND ND	1			5564.93 5565.01
	3.20.13	ND	17.28	ND	1			5565.20
	6.19.13 9.17.13	ND ND	17.42 17.74	ND ND	4			5565.06 5564.74
	12.16.13	ND	17.48	ND	1		5582.48	5565.00
	3.14.14	ND	17.21	ND]			5565.27
	9.9.14 6.10.15	ND ND	17.83 17.18	ND ND	1			5564.65 5565.30
	12.04.15	ND	17.61	ND	1			5564.87
MW-9*	6.02.16 9.16.16	ND ND	17.30 17.94	ND ND	25.78	10.78-25.78		5565.18 5564.41
11114-9	12.19.16	ND ND	17.60	ND ND	23.70	10.70-20.70		5564.41
	6.27.17	ND	17.34	ND	1			5565.01
	1.09.18 6.21.18	ND ND	17.40 17.49	ND ND	4			5564.95 5564.86
	12.13.18	ND	17.63	ND	1		5590 25	5564.72
	8.20.19	ND	17.84	ND]		5582.35	5564.51
	1.07.20 6.4.20	ND ND	17.57 17.48	ND ND	1			5564.78 5564.87
	11.24.20	ND	17.84	ND	1			5564.51
	6.23.21	ND	17.79	ND	4			5564.56
l	12.13.21	ND	17.74	ND				5564.61

TABLE 2												
			Trun	ik 6C Kutz W	ash							
			GROUNI	OWATER ELEV	ATIONS							
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	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	1		5577.80	5562.46 5563.22				
	12.04.15	ND	15.10	ND	1			5562.70				
	6.02.16 9.16.16	ND ND	14.74 15.49	ND ND	4			5563.06 5562.61				
	12.19.16	ND	15.12	ND				5562.98				
MW-10*	6.27.17	ND	14.73	ND	21.36	11.36-21.36		5563.37				
	1.09.18 6.21.18	ND ND	14.90 15.05	ND ND	-			5563.20 5563.05				
	12.13.18	ND	15.21	ND			5578.10	5562.89				
	8.20.19	ND	15.38 15.09	ND			3378.10	5562.72				
	1.07.20 6.4.20	ND ND	15.09	ND ND	1			5563.01 5563.14				
	11.24.20	ND	15.38	ND	1			5562.72				
	6.23.21 12.13.21	ND ND	15.27 15.20	ND ND	-			5562.83 5562.90				
	12.16.13	ND	15.15	ND				5563.50				
	3.14.14	ND	14.82	ND	1			5563.83				
	9.9.14 6.10.15	ND ND	15.63 14.76	ND ND	-		5578.65	5563.02 5563.89				
	12.04.15	ND	15.35	ND	1			5563.30				
	6.02.16	ND	14.98	ND				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	15.00	ND	21.25	11.25-21.25		5564.04				
10100-11	1.09.18	ND	15.11	ND	21.25	11.25-21.25		5563.93				
	6.21.18 12.13.18	ND ND	15.28 15.45	ND ND	1			5563.76 5563.59				
	8.20.19	ND	15.66	ND			5579.04	5563.38				
	1.07.20 6.4.20	ND ND	15.32 15.16	ND ND	-			5563.72 5563.88				
	11.24.20	ND	15.60	ND				5563.44				
	6.23.21	ND	15.53	ND				5563.51				
	12.13.21 12.16.13	ND ND	15.42 15.54	ND ND				5563.62 5564.45				
	3.14.14	ND	15.27	ND				5564.72				
	9.9.14	ND ND	15.96	ND ND			5579.99	5564.03				
	6.10.15 12.04.15 ^C	ND	15.22 NG	ND	1			5564.77 NG				
	6.02.16 ^C		NG					NG				
	9.16.16 ^C		NG]			NG				
	12.19.16 ^C		NG		-			NG				
MW-12*	6.27.17 ^c 1.09.18 ^c		NG NG		21.36	11.36-21.36		NG NG				
	6.21.18 ^C		NG		1			NG				
	12.13.18 ^C		NG				EE90 29	NG				
	8.20.19 ^C		NG]		5580.28	NG				
	1.07.20 ^C		NG		4			NG				
	6.4.20 ^C 11.24.20 ^C		NG NG		-			NG NG				
	6.23.21 ^C		NG		1			NG				
	12.13.21 ^c		NG		1			NG				
	12.16.13	ND	19.88	ND				5563.15				
	3.14.14 9.9.14	ND ND	19.63 20.18	ND ND	1			5563.40 5562.85				
	6.10.15	ND	19.57	ND	1		5583.03	5563.46				
	12.04.15	ND	20.01	ND ND	4			5563.02				
	6.02.16 9.16.16	ND ND	19.67 20.27	ND ND	1			5563.36 5563.07				
	12.19.16	ND	20.03	ND	1			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	19.85	ND	1			5563.49				
	12.13.18	ND	20.13	ND]		5583.34	5563.21				
	8.20.19 1.07.20	ND ND	20.22 20.02	ND ND	-			5563.12 5563.32				
	6.4.20	ND	19.89	ND	1			5563.45				
	11.24.20 6.23.21	ND ND	20.28	ND ND	-			5563.06 5563.18				
ŀ		NIL)	20.16	NI I]			556×18				

E ENSOLUM

Page	29	of	159

	TABLE 2											
			Trun	k 6C Kutz W	ash							
				WATER ELEV								
	_											
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)	THICKNESS	(feet BTOC)	(feet BTOC)	(feet AMSL)	(feet AMSL)				
		()	()		((((1001711102)				
	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				
MW-14	12.13.18	ND	14.33	ND	23.01	13.01-23.01	5576.39	5562.06				
10100-14	8.20.19	ND	14.43	ND	23.01	13.01-23.01	3370.39	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				
	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		13.15-23.15		5562.71				
	1.09.18	ND	16.30	ND				5562.53				
	6.21.18	ND	16.36	ND				5562.47				
MW-15	12.13.18	ND	16.60	ND	23.15		5578.83	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 12.13.21	ND ND	16.62 16.64	ND ND				5562.21 5562.19				
					<u> </u>							
	9.16.16	ND	16.02	ND				5563.84				
	12.19.16 6.27.17	ND ND	15.68 15.30	ND ND	4			5564.18 5564.56				
	1.09.18	ND	15.30	ND ND	1			5564.41				
	6.21.18	ND	15.45	ND ND				5564.31				
	12.13.18	ND	15.72	ND	1			5564.14				
MW-17	8.20.19	ND	15.91	ND	22.95	12.95-22.95	5579.86	5563.95				
	1.07.20	ND	15.62	ND	1			5564.24				
	6.4.20	ND	15.51	ND	1			5564.35				
	11.24.20	ND	15.90	ND	1			5563.96				
	6.23.21	ND	15.84	ND	1			5564.02				
	12.13.21	ND	15.77	ND	1			5564.09				

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



July 02, 2021

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

OrderNo.: 2106C73

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Trunk 6C

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Received by O)CD:	9/13/2023	12:44:58 PM
---------------	------	-----------	-------------

Hall Envir	onmental Analysis		Analytical Report Lab Order: 2106C73 Date Reported: 7/2/2021					
CLIENT: Project:	ENSOLUM Trunk 6C			L	ab C	Order: 21060	273	
Lab ID:	2106C73-001		Col	lection Date	: 6/2	23/2021 10:35:00 A	M	
Client Sample	ID: MW-14			Matrix	: A(QUEOUS		
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch I	D
EPA METHOD	8260: VOLATILES SHORT	LIST				Ana	alyst: RAA	۹.
Benzene		ND	1.0	µg/L	1	6/29/2021 7:22:00	PM SL79	944
Toluene		ND	1.0	µg/L	1	6/29/2021 7:22:00	PM SL79	944
Ethylbenzene		ND	1.0	µg/L	1	6/29/2021 7:22:00	PM SL79	944
Xylenes, Total		ND	1.5	µg/L	1	6/29/2021 7:22:00	PM SL79	944
	chloroethane-d4	109	70-130	%Rec	1	6/29/2021 7:22:00	PM SL79	944
	nofluoromethane	108	70-130	%Rec	1	6/29/2021 7:22:00		
Surr: Toluen	ne-d8	95.4	70-130	%Rec	1	6/29/2021 7:22:00	PM SL79	944
Lab ID:	2106C73-002		Col	lection Date	: 6/2	23/2021 11:15:00 A	M	_
Client Sample ID: MW-15 Matrix: AQUEOUS								
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch I	D
EPA METHOD	8260: VOLATILES SHORT	LIST				Ana	alyst: RAA	1
Benzene		ND	1.0	µg/L	1	6/29/2021 7:45:00	-	
Toluene		ND	1.0	µg/L	1	6/29/2021 7:45:00	PM SL79	944
Ethylbenzene		1.8	1.0	μg/L	1	6/29/2021 7:45:00	PM SL79	944
Xylenes, Total		29	1.5	μg/L	1	6/29/2021 7:45:00	PM SL79	944
Surr: 1,2-Dic	chloroethane-d4	105	70-130	%Rec	1	6/29/2021 7:45:00	PM SL79	944
Surr: Dibrom	nofluoromethane	104	70-130	%Rec	1	6/29/2021 7:45:00	PM SL79	944
Surr: Toluen	ne-d8	96.0	70-130	%Rec	1	6/29/2021 7:45:00	PM SL79	944
Lab ID:	2106C73-003		Col	lection Date	: 6/2	23/2021 11:45:00 A	M	-
Client Sample	ID: MW-8			Matrix	: A(QUEOUS		
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch I	D
EPA METHOD	8260: VOLATILES SHORT	LIST				Ana	alyst: RAA	4
Benzene	-	ND	1.0	µg/L	1	6/29/2021 8:08:00	•	
Toluene		ND	1.0	µg/L	1	6/29/2021 8:08:00		
Ethylbenzene		ND	1.0	µg/L	1	6/29/2021 8:08:00		
Xylenes, Total		ND	1.5	μg/L	1	6/29/2021 8:08:00		
	chloroethane-d4	107	70-130	%Rec	1	6/29/2021 8:08:00		
Surr: Dibron	nofluoromethane	106	70-130	%Rec	1	6/29/2021 8:08:00		
Surr: Toluen	ne-d8	93.9	70-130	%Rec	1	6/29/2021 8:08:00	PM SL79	944

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

Qualifiers:

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank в Е

Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range Р RL Reporting Limit

Page 1 of 4

*

Received by OCD: 9/13/2023	12:44:58 PM	L
-----------------------------------	-------------	---

Page 33 of 159

mental Analysis Lab	oratory,	Inc.		Analytical ReportLab Order: 2106C73Date Reported: 7/2/2021					
ENSOLUM Frunk 6C				L	ab C)rder: 2106	5C73		
2106C73-004		C	ollecti	on Date	: 6/2	23/2021 12:20:00	PM		
MW-2				Matrix	: A(QUEOUS			
	Result	RL	Qual	Units	DF	Date Analyzed	B	atch ID	
60: VOLATILES SHORT LIST						Ar	nalyst	RAA	
	ND	1.0		µg/L	1	6/29/2021 8:31:00	D PM	SL7944	
	ND	1.0		μg/L	1	6/29/2021 8:31:00	D PM	SL7944	
	ND	1.0		µg/L	1	6/29/2021 8:31:00	D PM	SL7944	
	ND	1.5		µg/L	1	6/29/2021 8:31:00	D PM	SL7944	
oethane-d4	110	70-130		%Rec	1	6/29/2021 8:31:00	D PM	SL7944	
oromethane	107	70-130		%Rec	1	6/29/2021 8:31:00	D PM	SL7944	
3	94.0	70-130		%Rec	1	6/29/2021 8:31:00	D PM	SL7944	
2106C73-005		C	ollecti	on Date	: 6/2	23/2021 12:50:00	PM		
MW-3				Matrix	: A(QUEOUS			
	Result	RL	Qual	Units	DF	Date Analyzed	B	atch ID	
60: VOLATILES SHORT LIST						Ar	nalyst	RAA	
	ND	1.0		µg/L	1	6/29/2021 8:54:00	D PM	SL7944	
	ND	1.0		µg/L	1	6/29/2021 8:54:00	D PM	SL7944	
	ND	1.0		µg/L	1	6/29/2021 8:54:00	D PM	SL7944	
	ND	1.5		µg/L	1	6/29/2021 8:54:00	D PM	SL7944	
oethane-d4	109	70-130		%Rec	1	6/29/2021 8:54:00	D PM	SL7944	
oromethane	107	70-130		%Rec	1	6/29/2021 8:54:00	D PM	SL7944	
3	95.5	70-130		%Rec	1	6/29/2021 8:54:00	D PM	SL7944	
2106C73-006		C	ollecti	on Date	: 6/2	23/2021 1:45:00 F	PM		
MW-7				Matrix	: A(QUEOUS			
	Result	RL	Qual	Units	DF	Date Analyzed	B	atch ID	
SO VOLATILES SHORT LIST						Ar	nalyst	RAA	
							-		
	ND	1.0		µg/L	1	6/29/2021 9:17:00	D PM	SL7944	
	ND ND	1.0 1.0		μg/L μg/L	1 1	6/29/2021 9:17:00 6/29/2021 9:17:00			
							D PM	SL7944	
	ND	1.0		µg/L	1	6/29/2021 9:17:00	D PM D PM	SL7944 SL7944	
oethane-d4	ND ND	1.0 1.0		μg/L μg/L	1 1	6/29/2021 9:17:00 6/29/2021 9:17:00	D PM D PM D PM	SL7944 SL7944 SL7944	
	ND ND ND	1.0 1.0 1.5		μg/L μg/L μg/L	1 1 1	6/29/2021 9:17:00 6/29/2021 9:17:00 6/29/2021 9:17:00	2 PM 2 PM 2 PM 2 PM 2 PM	SL7944 SL7944 SL7944 SL7944 SL7944 SL7944	
	ENSOLUM Frunk 6C 2106C73-004 MW-2 60: VOLATILES SHORT LIST 00ethane-d4 0romethane 3 2106C73-005 MW-3 60: VOLATILES SHORT LIST 00ethane-d4 0romethane 3 2106C73-006	ENSOLUM Frunk 6C 2106C73-004 MW-2 Result 50: VOLATILES SHORT LIST ND ND ND ND ND ND ND ND ND ND ND ND ND N	Strunk 6C 2106C73-004 MW-2 C MW-2 Result RL S0: VOLATILES SHORT LIST ND 1.0 ND 1.0 ND 1.0 S0: VOLATILES SHORT LIST C C MW-3 Result RL S0: VOLATILES SHORT LIST ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 S0: VOLATILES SHORT LIST ND 1.0 S0: VOLATILES SHORT LIST ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 S0: VOLATILES SHORT LIST ND 1.0 ND 1.0 S0: OPARTILIES SHORT LIST ND 1.0 ND 1.0 S0: OPARTILIES SHORT LIST ND 1.0 ND	NSOLUM Collection 2106C73-004 Collection MW-2 Result RL Qual 50: VOLATILES SHORT LIST ND 1.0 ND 1.0 ND 1.0 NU-3 Result RL Qual 2106C73-005 Collection ND 1.0 MW-3 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 </td <td>SNSOLUM L Strunk 6C 2106C73-004 Collection Date MW-2 Matrix Result RL Qual Units 50: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.5 µg/L ND 1.5 µg/L ND 1.5 µg/L ND 1.0 70-130 %Rec %Rec 2106C73-005 Collection Date Matrix MW-3 Matrix Result RL Qual Units S0: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L S0: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.5<!--</td--><td>Immental Analysis Laboratory, Inc. Immental Analysis Laboratory, Inc. Immedia SNOLUM Immedia Immedia<td>Lab Order: 2106C7 SNSOLUM Interstand Collection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS 2106C73-004 Molection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS ND 1.0 µg/L 1 6/29/2021 8:31:00 Oreitaine Oreitaine 6/23/2021 8:31:00 Matrix: AQUEOUS Arrow Oreitaine 6/23/2021 8:32:00 Matrix: AQUEOUS Oreitaine Arrow Oreitaine Arrow Oreitaine <td co<="" td=""><td>Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second of the second</td></td></td></td></td>	SNSOLUM L Strunk 6C 2106C73-004 Collection Date MW-2 Matrix Result RL Qual Units 50: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.5 µg/L ND 1.5 µg/L ND 1.5 µg/L ND 1.0 70-130 %Rec %Rec 2106C73-005 Collection Date Matrix MW-3 Matrix Result RL Qual Units S0: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L S0: VOLATILES SHORT LIST ND 1.0 µg/L ND 1.0 µg/L ND 1.5 </td <td>Immental Analysis Laboratory, Inc. Immental Analysis Laboratory, Inc. Immedia SNOLUM Immedia Immedia<td>Lab Order: 2106C7 SNSOLUM Interstand Collection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS 2106C73-004 Molection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS ND 1.0 µg/L 1 6/29/2021 8:31:00 Oreitaine Oreitaine 6/23/2021 8:31:00 Matrix: AQUEOUS Arrow Oreitaine 6/23/2021 8:32:00 Matrix: AQUEOUS Oreitaine Arrow Oreitaine Arrow Oreitaine <td co<="" td=""><td>Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second of the second</td></td></td></td>	Immental Analysis Laboratory, Inc. Immental Analysis Laboratory, Inc. Immedia SNOLUM Immedia Immedia <td>Lab Order: 2106C7 SNSOLUM Interstand Collection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS 2106C73-004 Molection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS ND 1.0 µg/L 1 6/29/2021 8:31:00 Oreitaine Oreitaine 6/23/2021 8:31:00 Matrix: AQUEOUS Arrow Oreitaine 6/23/2021 8:32:00 Matrix: AQUEOUS Oreitaine Arrow Oreitaine Arrow Oreitaine <td co<="" td=""><td>Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second of the second</td></td></td>	Lab Order: 2106C7 SNSOLUM Interstand Collection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS 2106C73-004 Molection Date: 6/23/2021 12:20:00 MW-2 Matrix: AQUEOUS ND 1.0 µg/L 1 6/29/2021 8:31:00 Oreitaine Oreitaine 6/23/2021 8:31:00 Matrix: AQUEOUS Arrow Oreitaine 6/23/2021 8:32:00 Matrix: AQUEOUS Oreitaine Arrow Oreitaine Arrow Oreitaine <td co<="" td=""><td>Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second of the second</td></td>	<td>Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second of the second</td>	Lab Order: 2106C73 Date Reported: 7/2/2021 SNOLUM Interstanding of the second

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

* Value exceeds Maximum Contaminant Level. Qualifiers:

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 range due to dilution or matrix s

Analyte detected in the associated Method Blank в Е

Value above quantitation range

Analyte detected below quantitation limits J Sample pH Not In Range

Р RL Reporting Limit

Page 2 of 4

.

Received by O)CD:	9/13/2023	12:44:58 PM
---------------	------	-----------	-------------

Hall Enviro	nmental Analysis Lab	Inc.	Analytical Report Lab Order: 2106C73 Date Reported: 7/2/2021					
CLIENT: Project:	ENSOLUM Trunk 6C				Lab (Drder: 2106	6C73	
Lab ID:	2106C73-007		Co	llection D	ate: 6/2	23/2021 2:10:00 F	РМ	
Client Sample II): MW-10			Mat	trix: A	QUEOUS		
Analyses		Result	RL (Qual Uni	ts DF	Date Analyzed	Ba	atch ID
EPA METHOD 8	260: VOLATILES SHORT LIST					Ar	nalyst:	RAA
Benzene		ND	1.0	µg/L	_ 1	6/29/2021 9:40:00) PM	SL7944
Toluene		ND	1.0	μg/L		6/29/2021 9:40:00) PM	SL7944
Ethylbenzene		ND	1.0	µg/L	_ 1	6/29/2021 9:40:00) PM	SL7944
Xylenes, Total		ND	1.5	µg/L	_ 1	6/29/2021 9:40:00) PM	SL7944
Surr: 1,2-Dich	loroethane-d4	107	70-130	%R	ec 1	6/29/2021 9:40:00) PM	SL7944
Surr: Dibromo	fluoromethane	107	70-130	%R	ec 1	6/29/2021 9:40:00) PM	SL7944
Surr: Toluene-	-d8	94.2	70-130	%R	ec 1	6/29/2021 9:40:00) PM	SL7944
Lab ID:	2106C73-008		Col	llection D	ate: 6/2	23/2021 2:30:00 P	РМ	
Client Sample II): MW-11			Mat	trix: A	QUEOUS		
Analyses		Result	RL (Qual Uni	ts DF	Date Analyzed	Ba	atch ID
EPA METHOD 8	260: VOLATILES SHORT LIST					Ar	alyst:	RAA
Benzene		ND	1.0	µg/L	_ 1	6/29/2021 10:03:0	00 PM	SL7944
Toluene		ND	1.0	µg/L	_ 1	6/29/2021 10:03:0	00 PM	SL7944
Ethylbenzene		ND	1.0	µg/L	_ 1	6/29/2021 10:03:0	00 PM	SL7944
Xylenes, Total		ND	1.5	µg/L	_ 1	6/29/2021 10:03:0	00 PM	SL7944
Surr: 1,2-Dich	loroethane-d4	106	70-130	%R	ec 1	6/29/2021 10:03:0	00 PM	SL7944
Surr: Dibromo	fluoromethane	107	70-130	%R	ec 1	6/29/2021 10:03:0	00 PM	SL7944
Surr: Toluene-	-d8	93.9	70-130	%R	ec 1	6/29/2021 10:03:0	00 PM	SL7944
Lab ID:	2106C73-009		Col	llection D	ate: 6/2	23/2021 2:50:00 P	РМ	
Client Sample II	D: MW-13			Mat	trix: A	QUEOUS		
Analyses		Result	RL (Qual Uni	ts DF	Date Analyzed	Ba	atch ID
EPA METHOD 8	260: VOLATILES SHORT LIST					Ar	nalyst:	RAA
Benzene		ND	1.0	µg/L	_ 1	6/29/2021 10:26:0	-	
Toluene		ND	1.0	μg/L		6/29/2021 10:26:0		
Ethylbenzene		ND	1.0	μg/L		6/29/2021 10:26:0		
Xylenes, Total		ND	1.5	μg/L		6/29/2021 10:26:0		
Surr: 1,2-Dich	loroethane-d4	109	70-130	%R		6/29/2021 10:26:0		
,	fluoromethane	103	70-130	%R		6/29/2021 10:26:0		
Surr: Toluene-	d8	94.1	70-130	%R	ec 1	6/29/2021 10:26:0	00 PM	SL7944

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

* Value exceeds Maximum Contaminant Level. Qualifiers:

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 range due to dilution or matrix s

Analyte detected in the associated Method Blank в Е

Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range Р RL Reporting Limit

Page 3 of 4

.

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

y,	me.		

Project: Trunk 60	2									
Sample ID: 100ng 8260 lcs	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8260: Volatile	es Short L	ist	
Client ID: LCSW	Batcl	n ID: SL	79440	F	unNo: 79	9440				
Prep Date:	Analysis D)ate: 6/	29/2021	S	eqNo: 2	792518	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	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8260: Volatile	es Short L	ist	
Client ID: PBW	Batcl	n ID: SL	79440	F	unNo: 7 9	9440				
Prep Date:	Analysis D	0ate: 6/	29/2021	S	eqNo: 2	792519	Units: µg/L			

Prep Date:	Analysis D	Analysis Date: 6/29/2021			SeqNo: 2792519			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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 4

WO#:

.

HALL HALL ENVIRONMENTAL ANALYSIS LABORATORY		AI. TEL: 505-345-397	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com					
Client Name:	ENSOLUM	Work Order Numbe	er: 21060	273		RcptNo: 1		
Received By:	Juan Rojas	6/24/2021 7:50:00 AM	VI	4	un Sn J			
Completed By:	Cheyenne Cason	6/24/2021 9:34:18 AM	И	11	an any			
Reviewed By:	5PA 6.24	21						
Chain of Cus	<u>tody</u>							
1. Is Chain of Custody complete?			Yes	\checkmark	No 🗌	Not Present		
2. How was the	sample delivered?		<u>Courie</u>	er				
Log In								
3. Was an attem	pt made to cool the sar	nples?	Yes		No 🗌	NA 🗌		
4. Were all samp	oles received at a tempe	erature of >0° C to 6.0°C	Yes	V	No 🗌			
5. Sample(s) in p	proper container(s)?		Yes	✓	No 🗌			
6. Sufficient sam	ple volume for indicated	test(s)?	Yes	1	No 🗌			
7. Are samples (except VOA and ONG)	properly preserved?	Yes	1	10 🗌			
8. Was preserva	tive added to bottles?		Yes	1	No 🗸	NA 🗌		
9. Received at le	ast 1 vial with headspac	e <1/4" for AQ VOA?	Yes		10 🗌			
10. Were any san	nple containers received	I broken?	Yes [No 🗹	# of preserved		
11 D				-		bottles checked		
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		dv)	Yes	<u> </u>	No 🗌	for pH: (<2 or >12 unless no		
12. Are matrices correctly identified on Chain of C		• /	Yes		lo 🗌	Adjusted?		
13. Is it clear what	analyses were request	ed?	Yes	1	lo 🗌			
14. Were all holding times able to be met? (If no, notify customer for authorization.)			Yes	1	10 🗌	Checked by: T.C. 6.2		
	ing (if applicable)				/			
No. 100 Control of the	tified of all discrepancie	s with this order?	Yes		No 🗌	NA 🗹		
Person	Notified:	Date:	544700000000000000		annonerenane			
By Who	,	Via:	eMai	I 🗌 Phone	Fax	In Person		
Regardi	,				un			
	nstructions:		antan la comprise arte so		an ta a bar di kini di anka d			
16. Additional ren	marks:							
17. Cooler Infor	mation							
Cooler No	the fact three reasons and the second of a second second second	n Seal Intact Seal No	Seal Dat	e Sign	ed By			

Page 1 of 1

Recei	ived b	y 00	C D: 9 /	/13/2	2023	12:	44:58 P	M) ir Bubbles (/	1	1	1	1		1	1		1	T T		P	age 37 of	159
	ц }					-		(1)) 2014418 11								-							
	ENVIRONMENTAL	ABOKAIOK																							
	Z																			-					report
		2	109	201														\vdash				_		5	lytical
	Z (S.	M 87	505-345-4107				()	10/	/-im92) 0728								1						5	he ana
	0	ζ.	e NI	345-	Request				(AOV) 80828													-	~	ed on t
	E.	Δ Λ	men	505-	Req		PCB's	2808 \	səp	8081 Pesticio														2	notate
	Z	1	Alburgumental.com	Fax	ysis	(*	0SԠOc	³ 'ΛΟ ⁵ '	ON	IO, I) snoinA													1	\leq	clearly
	ШŞ	ANALYSIS	www.naiienvironmentai.com ns NE - Albiunierque NM 8		Anal				_	RCRA 8 Met													1		will be
	HALL		NE N	505-345-3975			(SMI			01£8) a'HA9														0	d data
	I		4901 Hawkins NE	345-3		_				EDB (Method														,	itracted
			Haw	505-3		1/21				TPH (Methoo													1	~	ub-con
			901	Tel.		_				TPH 8015B	1												S:	$\widehat{\square}$	Any s
			4							BTEX + MTE													Remarks:		sibility.
—				1		<u> </u>	1208) 2		1	I TEX + MTE	\times	\times	X	\times	X	\times	X	X	X			_	Re Re	0	ssod s
																	1						R	5	e of thi
									12	HEAL No.													5 S	Time	s notic
							. 0		00	IEAL	_	0	20										te	ie 1/2	erves a
							2	No	1	1 61	2	200	003	cey	500	COG	607	008	600			1	Date	Date	This se
	Rush		. 1				MMG	3	0.3				0	-	0	C I	0	0	0			_	9	2	ories.
	٦ R		6		2601		3	es (es	G.	servati Type	3×42mm09	- T	2 P	5	C	CL,	1 st	4	5				X	Juno,	aborati
Turn-Around Time:			V		20	er:	5	.D.1.	Sample Temperature:	Preservative Type	23×L	Pla	AD(DI	07	Ta	H.S.	T.	2ª	0			Z	Loc	edited I
I pur	ard	Project Name:	NHN		4 D	Project Manage	Ú,	1	empe	<u>ــــــــــــــــــــــــــــــــــــ</u>	A A	1-S	04	ON	A.	10,4-	PAR-	Cont of	104				E	5	accre
Arou	🔟 Standard	ct Na	IZ	ct #:	S	ct Ma	\searrow	e:	le Te	taine and	0	Contulor	uL (mult	1Jul	Hur	Hund	Mun	Low			-	in the	id by:	to othe
Turn-	⊠.S	Proje	T	Project #:	0	roje		Sampler: On Ice:	Samp	Container Type and #	HA	3X4	3×42mLVOA	3×42mllon	3× youLlon	3x yould be	22 yould	3×40mllon	SX Youd UDA				Received by	Received by	acted 1
<u> </u>			A	<u>u</u>					0)			_	~3		1.01	10		(~) 					ř	Ř)	ibcontr
ō						rsolern.com	Level 4 (Full Validation)			Sample Request ID															y be su
COL			Suite.			dec	Valid			dues	+			(0	_				,	1	DS	tal may
Se			1em	/		ens	Full			Rei	1	23	00	2	N	1	-	1	5				\mathbb{N}	d	onmen
\geq	$\left \begin{array}{c} \\ \\ \\ \end{array} \right $		NON	0		C) 4 (ple	MN	N	NN	MM	NW	NW	NW	MM	- M				N	Z	Envire
toc)		10 6	27410		ers	Leve			San	2	2	2	7	2	2	2	2	2				()/)	NUL S	to Hal
SN	2		S. Ruo Gando	00		SH		er																Relinquished by:	mitted
5 C	milos		606	5		Silver	pr-	□ Other		Matrix	2	2	3	3	3	3	Ś	3	3			teine		Isinbu A	les sub
9	3		SS:	2		1						Z	_			1	2					100		Refi	samp
Chain-of-Custody Record	(1)		ldres		-	ax#:	skage rd	ion	(Type)	Time	10:35	11:15	Shill	2:20	2:50	13:45	14:10	14:30	14:50			č	» K	ii Q	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.
Сh	1		ng Ac	t	e #:	or F	C Pac anda	editat	L) D(-1 12	(13			~	-+		Į.	[54S	Time:	If nect
	Client:		Suis Mailing Address: (Ac	:# enoug 5/2	imail	QA/QC Package:	Accreditation		Date	23/4	1232	1-1Ed	23/2	23/2	13/21	12/21	23/21	12h			Dato.	3/21	Date:	
Relea	ised to	o Im	aging	: 9/1	5/2	023	9:46:06	AM			9	9	5	a	0	0	0	020	6		1	Ċ	C/3/	e St	2



July 06, 2021

Kyle Summers ENSOLUM 606 S Rio Grande Ste A Aztec, NM 87410 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental	Analysis	Laboratory, Inc.

Lab Order 2106D63

Date Reported: 7/6/2021

CLIENT	: ENSOLUM		Client Sample ID: MW-6									
Project:	Trunk 6-C		Collection Date: 6/24/2021 8:20:00 AM									
Lab ID:	2106D63-001	Matrix:	Matrix: AQUEOUS Received Date: 6/25/2021 7:00:00 AM						[
Analyses	8	R	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 8260: VOLATILES	SHORT LIST						Analy	/st: RAA			
Benzen	e		ND	1.0		µg/L	1	7/1/2021 3:46:00 AM	R79476			
Toluene	1		ND	1.0		µg/L	1	7/1/2021 3:46:00 AM	R79476			
Ethylber	nzene		ND	1.0		µg/L	1	7/1/2021 3:46:00 AM	R79476			
Xylenes	, Total		ND	1.5		µg/L	1	7/1/2021 3:46:00 AM	R79476			
Surr:	1,2-Dichloroethane-d4		93.9	70-130		%Rec	1	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	1	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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order 2106D63

Date Reported: 7/6/2021

CLIENT: ENSOLUM		Client Sample ID: MW-5								
Project: Trunk 6-C		C	Collection Dat	e: 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	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 8260: VOLATILES SHO	ORT LIST				Analys	t: 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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Lab Order 2106D63

Date Reported: 7/6/2021

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:	Matrix: AQUEOUS Received Date: 6/25/2021 7:00:00 AM									
Analyses	8	R	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 8260: VOLATILES	SHORT LIST						Analys	st: RAA			
Benzen	e		ND	1.0		µg/L	1	7/1/2021 4:32:00 AM	R79476			
Toluene	1		ND	1.0		µg/L	1	7/1/2021 4:32:00 AM	R79476			
Ethylber	nzene		ND	1.0		µg/L	1	7/1/2021 4:32:00 AM	R79476			
Xylenes	, Total		ND	1.5		µg/L	1	7/1/2021 4:32:00 AM	R79476			
Surr:	1,2-Dichloroethane-d4		97.7	70-130		%Rec	1	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	1	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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Lab Order 2106D63

Date Reported: 7/6/2021

CLIENT:	ENSOLUM		Client Sample ID: MW-4									
Project:	Trunk 6-C		Collection Date: 6/24/2021 9:55:00 AM									
Lab ID:	2106D63-004	Matrix: A	Matrix: AQUEOUS Received Date: 6/25/2021 7:00:00 AM									
Analyses		Resu	lt RL	Qual Units	DF	F Date Analyzed	Batch					
EPA MET	HOD 8260: VOLATILES	SHORT LIST				Analys	t: RAA					
Benzene)	Ν	ID 1.0	µg/L	1	7/1/2021 4:55:00 AM	R79476					
Toluene		Ν	ID 1.0	µg/L	1	7/1/2021 4:55:00 AM	R79476					
Ethylben	zene	Ν	ID 1.0	µg/L	1	7/1/2021 4:55:00 AM	R79476					
Xylenes,	Total	Ν	ID 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: I	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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

Lab Order 2106D63

Date Reported: 7/6/2021

CLIENT: ENSOLUM		Client Sample ID: MW-17								
Project: Trunk 6-C		(Collection Dat	e: 6/	24/2021 10:30:00 AM					
Lab ID: 2106D63-005	Matrix: AQUEOUS	5	Received Dat	e: 6/						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 8260: VOLATILES S	HORT LIST				Analyst	RAA				
Benzene	13	1.0	µg/L	1	7/1/2021 5:18:00 AM	R79476				
Toluene	ND	1.0	µg/L	1	7/1/2021 5:18:00 AM	R79476				
Ethylbenzene	ND	1.0	µg/L	1	7/1/2021 5:18:00 AM	R79476				
Xylenes, Total	ND	1.5	μg/L	1	7/1/2021 5:18:00 AM	R79476				
Surr: 1,2-Dichloroethane-d4	96.3	70-130	%Rec	1	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	1	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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

Hall	Environmental	Analysis	Laboratory, Inc.	
------	---------------	----------	------------------	--

Lab Order 2106D63

Date Reported: 7/6/2021

CLIENT: ENSOLUM		Cl	ient Sample I	D: M	W-1	
Project: Trunk 6-C		(Collection Dat	e: 6/2	24/2021 11:05:00 AM	
Lab ID: 2106D63-006	Matrix: AQUEOU	S	Received Dat	e: 6/2	25/2021 7:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SH	IORT LIST				Analyst	t: 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
- Н 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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 7

ENSOLUM

Trunk 6-C

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

9.3

10.00

2106D63 *06-Jul-21*

WO#:

Sample ID: 100ng 8260 lcs2	SampType: LCS TestCode: EPA Method					PA Method	8260: Volatiles Short List						
Client ID: LCSW	Batch	Batch ID: R79476			RunNo: 79476								
Prep Date:	Analysis D	Date: 7/	1/2021	S	eqNo: 2	795331	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	уре: МЕ	BLK	Test	Code: EF	PA Method	8260: Volatile	es Short L	ist				
Sample ID: MB 2 Client ID: PBW		ype: ME 1 ID: R7			Code: Ef		8260: Volatile	es Short L	ist				
•		n ID: R7	9476	R		9476	8260: Volatile Units: μg/L	es Short L	ist				
Client ID: PBW	Batch	n ID: R7	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476		es Short L %RPD	ist RPDLimit	Qual			
Client ID: PBW Prep Date: Analyte	Batch Analysis D	n ID: R7 Date: 7/	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476 795332	Units: µg/L			Qual			
Client ID: PBW Prep Date: Analyte Benzene	Batch Analysis D Result	n ID: R7 Date: 7/ PQL	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476 795332	Units: µg/L			Qual			
Client ID: PBW Prep Date: Analyte Benzene Toluene	Batch Analysis D Result ND	n ID: R7 Date: 7/ PQL 1.0	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476 795332	Units: µg/L			Qual			
Client ID: PBW Prep Date:	Batch Analysis D Result ND ND	Date: 7 / PQL 1.0 1.0	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476 795332	Units: µg/L			Qual			
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene	Batch Analysis D Result ND ND ND	Date: 7 / PQL 1.0 1.0 1.0	9476 1/2021	R	unNo: 7 9 GeqNo: 2 7	9476 795332	Units: µg/L			Qual			
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batch Analysis D Result ND ND ND ND	Date: 7 / PQL 1.0 1.0 1.0	9476 1/2021 SPK value	R	eqNo: 79	9476 795332 LowLimit	Units: µg/L HighLimit			Qual			

Qualifiers:

Surr: Toluene-d8

- * 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

92.7

70

130

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7

.

ANALYSIS	ENTAL	Hall Environment Aı TEL: 505-345-39 Website: clients.	490 Ibuquerq 75 FAX:	1 Hawkins ue, NM 871 505-345-41	NE 109 San 107	nple Log-In Ch	Pag neck List
Client Name: ENSC	DLUM	Work Order Numbe	er: 2106	D63		RcptNo:	1
Received By: Juar	n Rojas	6/25/2021 7:00:00 A	м		Guan En g		
Completed By: Sear	1 Livingston	6/25/2021 9:10:51 A	м		Guarda g	,	
Poviowed Pu:	C [25/21)- <i>L</i> ,	John-	
Chain of Custody							
1. Is Chain of Custody	complete?		Yes	\checkmark	No 🗌	Not Present	
2. How was the sample	e delivered?		Cour	ier			
Log In							
3. Was an attempt mac	le to cool the samples?		Yes	\checkmark	No 🗌	NA	
4. Were all samples rec	eived at a temperature	of >0° C to 6.0°C	Yes	\checkmark	No 🗌		
5. Sample(s) in proper	container(s)?		Yes	\checkmark	No 🗌		
6. Sufficient sample vol	ume for indicated test(s	;)?	Yes	\checkmark	No 🗌		
7. Are samples (except	VOA and ONG) proper	ly preserved?	Yes	\checkmark	No 🗌		
8. Was preservative add	ded to bottles?		Yes		No 🗹	NA	
9. Received at least 1 v	ial with headspace <1/4	" for AQ VOA?	Yes	V	No 🗌		
10. Were any sample co			Yes		No 🗹		IC
						# of preserved bottles checked	6.75
11. Does paperwork mate (Note discrepancies of			Yes	\checkmark	No 🗌	for pH:	
12. Are matrices correctly		Custody2	Yes	\checkmark	No 🗌	Adjusted?	12 unless noted
13. Is it clear what analys		Custody?	Yes				
14. Were all holding time	10		Yes	0.0000		Checked by:	
(If no, notify custome	r for authorization.)						
Special Handling (in	f applicable)						
15. Was client notified of	f all discrepancies with	this order?	Yes		No 🗌	NA 🗹	
Person Notified	i:	Date:	t alter and character of		waaning taalihan kanala sa		
By Whom:		Via:	eMa	il 🗍 Pho	one 🗌 Fax	In Person	
Regarding:			Conversion and the			Notion and an and an and a state of the stat	
Client Instruction	ons:	ana na kata sa sa sa kata sa	A DALA IN THE VIEW DONLA			A YORK OF A REAL AND THE ADDRESS OF A REAL ADDRESS OF ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS A	
16. Additional remarks:							
17. Cooler Information							
		eal Intact Seal No	Seal Da	te S	igned By		
1 0.1	Good						

Page 1 of 1

Recei	ved b	y 00	C D: 9 /	/13/2	2023	12:	44:58 I	M (N		∫ir Bubbles (/				1	1	1					Page 47	of 159
											-		-	-		-					-		
	ENVIRONMENTAL	ABORATOR									-		\vdash	-	-	-			+	-			
	Zi										-				-					-			eport.
		2	001	202																			ytical r
	ź.	Ö	m	1107				()	√0/\	/-im92) 0728												\sim	e anal
	ō		al.col	45-2	est					AOV) 80828									+			NY	I on th
	<u> </u>		anna	505-345-4107	Request		PCB's	/ 8082		8081 Pesticio						-			-	-) (otated
			environmental.com Albuduerque NM 87100	Eax 5	sis F	(*	OS' [†] Oc	' ^z ON' ^ɛ	ON'	ID, I) anoinA		-	-	-	-							Insolum	early r
	Ē	ANALYSIS	www.hallenvironmental.com ns NF - Albiuniardia NM s	Ц	Analysis					teM 8 AADA						23			-			15	II be cl
			/.hall F	75	A		(SWI	S 0228	OL {	0168) a'HA9									+			1-1	lata wi
	HALL		www N su	5-30				(1.4	09 p	EDB (Metho								 	+			a	acted c
	4		awki	505-345-3975				(1.8	14 b	odteM) H9T								_				, j-	-contra
			4901 Hawkins NF	1.50		(0)	AM \ O	9 / DB	สอ)	8015B									T			Bill	dus yr
			49(Tel		۱۸)	no seĐ) НАТ ·	+ 38	BTEX + MTE											arks	\mathcal{O}	ity. Ar
						((1208) 8	-TMB's	+ 38	BTEX + MTE	X	\times	12	14		~	-				Remarks:		ossibil
												1									<u> </u>		COO f this p
										ġ M	100	2002	500	FOS	200	20					Time /		Y/
										HEAL NO.)	0	0	0	0					10	3 .	21 s as no
							S	No	0	HEAL NO.											Date 0/11/	Date	Serves as
							4		10	L)												3 .	C This
	Rush				- 10		Jume	anic	0.1	itive							1			(X	5	atories
			09		100		Š	es	ure:	Preservative Type	JaCh,	S	G	C, C	CL,	101					9)	U S
Time					22	ger:	5		berat	Pres	el-	H.	5 L	12	I.	70	.)				0		redited la
Turn-Around Time:	dard	Project Name:	runk		05A122601	Project Manager:	,		Sample Temperature:	d er	104	06	4Q	UCA	WOR	JOA					10	3.	eracc
-Aro	X Standard	ect N	5	ect #	0	ect N	\vee	pler:	ple T	Container Type and #	Jund	MM	Am	Oml	bench	Dout				:	ed by		to oth
Turn	X	Proje	,	Project #:		Proje		Sampler: On Ice:	Sam	Coi Typ	3×40mLVOA	2x Yom WONE	SXYDouldba	3×40mulot	3× Yanuvor	3x your JOA					Received by:	Received by	
			SuiteA			LON				0				_							<u>r</u>		ubcont
Q			Sui				Level 4 (Full Validation)			Sample Request ID													y be si
00 CO			de			Solum	Valic			due					6								ital ma
Se.			grande	0		Nac	Full			Re	2	5	5	T	5	1							onmen
>			\cup	1C	=	00) 4 (ble	N'	N	NW-	MW-	MW.	MM					Ø		Envire
100	1		Rus	24		200	Leve			San	NIM	MM	2	Z	2	\geq					×1		to Hall
usi	1	-	5	Ó		Mer		5												-	Xa pa	ed by:	nitted
Ō	WM		606	5		Symmer		□ Other		Matrix	0		~	~		0				-	Kelinquished by:	Relinquished by:	s subr
ļ	mulos			2		X				Ma	3	3	3	3	2	3					Кешт	Relin	sample
Chain-of-Custody Record	15		dress	5	-	÷.	kage:	u	(ed)	Time	02:00	8:50	25	22	10:30	5					3	2	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.
Shi	1		g Add	ztec	#:	or Fa	/QC Packa Standard	litatic AP	D (Type)	F	ÓÓ	õ	5	9:50	10	11:05				i		Time:	neces
0	Client:		Mailing Address:	F	Phone #:	email or Fax#:	QA/QC Package:	W Accreditation	EDD	Date	nprop	12/20)	(c/24/pi	(dry/r1	12/	6/24/21					Uate: Itme:		1
Relea	Sed to	o Im	Ξ aging	: 9/1	亡 [5/2	6 1023	vo □ 9:46:06	$\breve{A}M$			10)	2/0)	12/21	1p1	12/hz/0	12/01					Late:	Date:	

Pa of 150 17



December 21, 2021

Kyle Summers ENSOLUM 606 S Rio Grande Ste A Aztec, NM 87410 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2112847

Date Reported: 12/21/2021

CLIENT: ENSOLUM Project: Trunk 6C			t Sample I lection Dat		W-15 2/13/2021 12:20:00 PM	
Lab ID: 2112847-001	Matrix: AQUEOUS	Re	eceived Dat	e: 12	2/14/2021 8:10:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	1.0	µg/L	1	12/16/2021 4:22:44 PM	B84607
Toluene	ND	1.0	µg/L	1	12/16/2021 4:22:44 PM	B84607
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 4:22:44 PM	B84607
Xylenes, Total	11	2.0	µg/L	1	12/16/2021 4:22:44 PM	B84607
Surr: 4-Bromofluorobenzene	108 7	0-130	%Rec	1	12/16/2021 4:22:44 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
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Analytical Report
Lab Order 2112847

Hall Environmental Analysis Laboratory, Inc.	

Lab Order 211284/

21/2021

CLIENT: ENSOLUM		Client	Sample I	D: M	W-14	
Project: Trunk 6C		Colle	ection Dat	t e: 12	2/13/2021 12:55:00 PM	
Lab ID: 2112847-002	Matrix: AQUEOUS	Rec	eived Dat	t e: 12	2/14/2021 8:10:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	1.0	µg/L	1	12/16/2021 4:46:13 PM	B84607
Toluene	ND	1.0	µg/L	1	12/16/2021 4:46:13 PM	B84607
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 4:46:13 PM	B84607
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 4:46:13 PM	B84607
Surr: 4-Bromofluorobenzene	95.0 7	0-130	%Rec	1	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

Analytical Report
Lab Order 2112847

Date Reported: 12/21/2021

CLIENT: ENSOLUM		Clie	nt Sample II	D: M	W-8	
Project: Trunk 6C		Co	ollection Dat	e: 12	2/13/2021 1:25:00 PM	
Lab ID: 2112847-003	Matrix: AQUEOUS	R	eceived Dat	e: 12	2/14/2021 8:10:00 AM	
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	12/16/2021 6:20:11 PM	B84607
Toluene	ND	1.0	µg/L	1	12/16/2021 6:20:11 PM	B84607
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 6:20:11 PM	B84607
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 6:20:11 PM	B84607
Surr: 4-Bromofluorobenzene	101 7	0-130	%Rec	4	12/16/2021 6:20:11 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 3 of 7

Analytical Report
Lab Order 2112847

Hall Environmental Analysis Laboratory, Inc.	Date Reported: 12/21/2021
--	---------------------------

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	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 8021B: VOLATILES					Analyst:	NSB					
Benzene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	B84607					
Toluene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	B84607					
Ethylbenzene	ND	1.0	μg/L	1	12/16/2021 6:43:35 PM	B84607					
Xylenes, Total	ND	2.0	μg/L	1	12/16/2021 6:43:35 PM	B84607					
Surr: 4-Bromofluorobenzene	97.3 7	0-130	%Rec	1	12/16/2021 6:43:35 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 4 of 7

Analytical Report
Lab Order 2112847

Date Reported: 12/21/2021

CLIENT: ENSOLUM		Client	Sample I	D: M	W-10	
Project: Trunk 6C		Colle	ection Dat	:e: 12	2/13/2021 2:00:00 PM	
Lab ID: 2112847-005	Matrix: AQUEOUS	Rec	eived Dat	e: 12	2/14/2021 8:10:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	12/16/2021 7:07:04 PM	B84607
Toluene	ND	1.0	µg/L	1	12/16/2021 7:07:04 PM	B84607
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 7:07:04 PM	B84607
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 7:07:04 PM	B84607
Surr: 4-Bromofluorobenzene	98.2 7	0-130	%Rec	1	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
- 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 5 of 7

Analytical Report
Lab Order 2112847

Hall Environmental	Analysis	Laboratory, Inc.	
	111111 (515	Laborator y, me.	

Lab Order 2112847

Date Reported: 12/21/2021

CLIENT: ENSOLUM Project: Trunk 6C	Client Sample ID: MW-11 Collection Date: 12/13/2021 2:20:00 PM										
Lab ID: 2112847-006	Matrix: AQUEOUS	Received Da	te: 12/14/2021 8:10:00 AM								
Analyses	Result	RL Qual Units	DF Date Analyzed Batch								
EPA METHOD 8021B: VOLATILES			Analyst: NSB								
Benzene	ND	1.0 µg/L	1 12/16/2021 7:30:32 PM B84607								
Toluene	ND	1.0 μg/L	1 12/16/2021 7:30:32 PM B84607								
Ethylbenzene	ND	1.0 μg/L	1 12/16/2021 7:30:32 PM B84607								
Xylenes, Total	ND	2.0 μg/L	1 12/16/2021 7:30:32 PM B84607								
Surr: 4-Bromofluorobenzene	95.4 7	0-130 %Rec	1 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

2112847	WO#:
21-Dec-21	

Client:	ENSOLUM												
Project:	Frunk 6C												
Sample ID: mb	Samp	туре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBW	Bat	ch ID: B8	4607	F	RunNo: 84607								
Prep Date:	Analysis	Analysis Date: 12/16/2021 SeqNo: 2974198		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-Bromofluoroben:	zene 18		20.00		91.9	70	130						
Sample ID: 100ng b	ex Ics Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles					
Client ID: LCSW	Bate	ch ID: B8	4607	RunNo: 84607									
Prep Date:	Analysis	Date: 12	2/16/2021	5	SeqNo: 29	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-Bromofluoroben:	zene 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
- 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 7 of 7

Page 56	0t	159

.

HALL ENVIRONM ANALYSIS LABORATO		TEL: 505-345-3	ntal Analysis Labor, 4901 Hawkin Albuquerque, NM 8 975 FAX: 505-345- s.hallenvironmental	7109 San 4107	Sample Log-In Check List					
Client Name: ENS	OLUM	Work Order Num	ber: 2112847		RcptNo: 1					
	iree Dominguez n Livingston	12/14/2021 8:10:00 12/14/2021 9:34:27		An S	De S-loot					
Reviewed By: KPC	n 12/14/	U			Jan					
Chain of Custody										
1. Is Chain of Custody	complete?		Yes 🗹	No 🗌	Not Present					
2. How was the sample	e delivered?		<u>Courier</u>							
Log In 3. Was an attempt mad	de to cool the samples	?	Yes 🔽	No 🗌	NA 🗌					
4. Were all samples rea	ceived at a temperature	e of >0° C to 6.0°C	Yes 🔽	No 🗌						
5. Sample(s) in proper	container(s)?		Yes 🔽	No 🗌						
6. Sufficient sample vol	ume for indicated test(s)?	Yes 🔽	No 🗌						
7. Are samples (except		5	Yes 🔽	No 🗌						
8. Was preservative ad	ded to bottles?		Yes 🗌	No 🗹	NA 🗌					
9. Received at least 1 v	/ial with headspace <1/	4" for AQ VOA?	Yes 🔽	No 🗌						
10. Were any sample co			Yes	No 🔽						
1.Does paperwork mat			Yes 🔽	No 🗌	# of preserved bottles checked for pH:					
(Note discrepancies 2. Are matrices correct	• •	Custodu2		No 🗌	(<2 of >1 Adjusted?	2 unless noted)				
3. Is it clear what analys		Custody?	Yes 🗹 Yes 🗹	No 🗌 No 🗌						
4. Were all holding time (If no, notify custome	es able to be met?		Yes 🗹		Checked by:	e 12/14/				
Special Handling (i										
15. Was client notified o	f all discrepancies with	this order?	Yes	No 🗌	NA 🔽					
Person Notifie	d:	Date:								
By Whom:		Via:		hone 🗌 Fax	In Person					
Regarding:										
Client Instructi	ons:									
16. Additional remarks:										
17. <u>Cooler Information</u>	A STATUTE EXCLASSION AND AND AND AND AND AND AND AND AND AN	and the second			1					
Cooler No Ten 1 0.5	np °C Condition S Good	Seal Intact Seal No	Seal Date	Signed By						
0.0			****							

Page 1 of 1

Received by OCD: 9/13/2023 12:44:58 PM

Red	ceive	.>): 9/1.	3/20.	23 1	2:44	1:58 P	И														Pag	e 57 of	459
		HALL ENVIRONMENTA																				12			report.
		ME		2109	07	;																		3	nalytical
	(NON		www.rialierivirorimental.com ns NE - Albuquerque NM 87109	505-345-4107	lest	(tr	192dA	Jnesen'	ց) ա	olifor	D letoT									-		-	MASS	d on the a
				erone	505-5	Request			(\	70V	-imə	S) 0728										+		5	/ notate
		HALL ENVI ANALYETS		huan	Fax	Analysis		-				V) 0928												11	e clearly
		≝≯ ⊣ -			10	Ana	[⊅] O	S '*Oo	NO ⁵ ' E	_		CI' E' E						2						Ø	a will be
				s NE	-397		-		0/70			d гНАЧ 3 АЯЭЯ								_	-			F	ted data
		Ī	(4901 Hawkins NE	505-345-3975		-	5000				W) 803								_		-	-	Sill to	contract
				1 Ha	. 505			s'80'			20185 10	9081 P							 	_				in	iy sub-c
				490	Tel.		(0	N/ MR	טאם / מ	้าย	12D(08:H9T								+			Remarks:	V	lity. Ar
					_		()	·208) ;	S'8MT	/ 38	1₩	X X T A	X	X	X	X	X	X					Rem		possibi
											()°) 2'(EAL No.	190	200	200	Fao	200	00					Time / / 603	Time 1 8:10	as notice of this
								4	No.	2	540.0=0.5	HEAL No.	2										Date 72 //3 / 2 (Date 12/14/2/	s. This serves a
	Time:			20) >		05A122601)	ger:	C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	M VOC		0.	Preservative Type	Halls	Hally	Hach_	Hach	19012	Hach		5			T	via: Couri <i>er</i>	credited laboratories
	Turn-Around T	K Standard	Project Name:	trunk	Proje	05A1	Project Manager:	\mathbf{y}	Sampler:	olers:	Cooler Temp(including CF):	Container Type and #	1	3×40nlbr	3×40mUVcA	3 yauruh	3×42ml 424	3×40mLVDr					Received by:	Received by:	intracted to other ac
	rd			c. Sulla	1		LONG	lation)	(10000																ay be subco
	Chain-of-Custody Record	27-		S. Rio Grend	QI		SQ Que lun.	□ Level 4 (Full Validation)	iance			Sample Name	MW-15	MW-14	MW-8	Z-MW	MW-10	H-MM					Sel	Walk	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.
	Cust	L. L	1.		SUMD		provine ?												 	_			Relinquished by:	Relinquished by:	submitted
	-J-0-L	mylos		is: CDC	MM		Ksin		□ Az Co			Matrix	3	3	m s	3	N	3							v, samples
	Chair	I		Mailing Address:	1	;	email or Fax#: KSin	QA/QC Package:	itation: AC	EDD (Type)		Time	12:20	12:55	13:25	13 50	14:00	14:20		2			Time:	Time: 15 UL	f necessar
Pol	lease	Client:			Arter	Phone #:	email c	QA/QC Packa	Accreditation:			Date	12/12/21	12/13/21	12/13/21	12/EALZI	12/13/21	12/13/21					121	Date: 12/13/21	



December 22, 2021

Kyle Summers ENSOLUM 606 S Rio Grande Ste A Aztec, NM 87410 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

CLIENT: ENSOLUM		Client	Sample I	D: M	W-7					
Project: Trunk 6C		Colle	ection Dat	:e: 12	2/14/2021 9:20:00 AM					
Lab ID: 2112926-001	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					Analyst	NSB				
Benzene	ND	1.0	µg/L	1	12/16/2021 7:54:00 PM	B84607				
Toluene	ND	1.0	µg/L	1	12/16/2021 7:54:00 PM	B84607				
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 7:54:00 PM	B84607				
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 7:54:00 PM	B84607				
Surr: 4-Bromofluorobenzene	97.3 7	0-130	%Rec	1	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

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

CLIENT: ENSOLUM		Clier	nt Sample II	D: M	W-6						
Project: Trunk 6C		Co	llection Dat	e: 12	2/14/2021 10:05:00 AM						
Lab ID: 2112926-002	Matrix: AQUEOUS Received Date: 12/15/2021 8:00:00 AM										
Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 8021B: VOLATILES					Analyst	NSB					
Benzene	ND	1.0	μg/L	1	12/16/2021 8:17:26 PM	B84607					
Toluene	ND	1.0	μg/L	1	12/16/2021 8:17:26 PM	B84607					
Ethylbenzene	1.2	1.0	µg/L	1	12/16/2021 8:17:26 PM	B84607					
Xylenes, Total	8.0	2.0	μg/L	1	12/16/2021 8:17:26 PM	B84607					
Surr: 4-Bromofluorobenzene	110 7	0-130	%Rec	1	12/16/2021 8:17:26 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 11

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

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 Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	1.0	µg/L	1	12/16/2021 8:40:50 PM	B84607		
Toluene	ND	1.0	µg/L	1	12/16/2021 8:40:50 PM	B84607		
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 8:40:50 PM	B84607		
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 8:40:50 PM	B84607		
Surr: 4-Bromofluorobenzene	95.5 7	0-130	%Rec	1	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

Page 3 of 11

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

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	Re	ceived Dat	2/15/2021 8:00:00 AM				
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	1.0	µg/L	1	12/16/2021 9:04:16 PM	B84607		
Toluene	ND	1.0	µg/L	1	12/16/2021 9:04:16 PM	B84607		
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 9:04:16 PM	B84607		
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 9:04:16 PM	B84607		
Surr: 4-Bromofluorobenzene	95.9 7	0-130	%Rec	1	12/16/2021 9:04:16 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 4 of 11

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

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	Matrix: AQUEOUS Received Date: 12/15/2021						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	1.0	µg/L	1	12/16/2021 9:27:35 PM	B84607		
Toluene	ND	1.0	µg/L	1	12/16/2021 9:27:35 PM	B84607		
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 9:27:35 PM	B84607		
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 9:27:35 PM	B84607		
Surr: 4-Bromofluorobenzene	96.4 7	0-130	%Rec	1	12/16/2021 9:27:35 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 5 of 11

Analytical Report
Lab Order 2112926

Date Reported: 12/22/2021

CLIENT: ENSOLUM	Client Sample ID: MW-4 Collection Date: 12/14/2021 1:05:00 PM								
Project: Trunk 6C									
Lab ID: 2112926-006	Matrix: AQUEOUS	Re	ceived Dat	2/15/2021 8:00:00 AM					
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	1.0	µg/L	1	12/16/2021 9:50:54 PM	B84607			
Toluene	ND	1.0	µg/L	1	12/16/2021 9:50:54 PM	B84607			
Ethylbenzene	ND	1.0	µg/L	1	12/16/2021 9:50:54 PM	B84607			
Xylenes, Total	ND	2.0	µg/L	1	12/16/2021 9:50:54 PM	B84607			
Surr: 4-Bromofluorobenzene	94.0 7	0-130	%Rec	1	12/16/2021 9:50:54 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 11

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2112926

12/16/2021 11:47:12 PM B84607

Hall Environmental Analys	is Laboratory, Inc	Date Reported: 12/22/2021						
CLIENT: ENSOLUM		Client Sample	ID: M	IW-3				
Project: Trunk 6C		Collection D	ate: 12	2/14/2021 1:40:00 PN	1			
Lab ID: 2112926-007	Matrix: AQUEOUS	Received D	ate: 12	2/15/2021 8:00:00 AN	Λ			
Analyses	Result	RL Qual Unit	s Dł	Date Analyzed	Batch			
EPA METHOD 8021B: VOLATILES				Analy	/st: NSB			
Benzene	ND	1.0 µg/L	1	12/16/2021 11:47:12	PM B84607			
Toluene	ND	1.0 µg/L	1	12/16/2021 11:47:12	PM B84607			
Ethylbenzene	ND	1.0 µg/L	1	12/16/2021 11:47:12	PM B84607			
Xylenes, Total	ND	2.0 µg/L	1	12/16/2021 11:47:12	PM B84607			

70-130

%Rec

1

95.1

Hall Environmental Analysis Laboratory, Inc.

Sample pH Not In Range

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
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Released to Imaging: 9/15/2023 9:46:06 AM

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р
- RL Reporting Limit

Page 7 of 11

Analytical Report Lab Order 2112926

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 Qual Unit	ts DF Date Analyzed Batch						
EPA METHOD 8021B: VOLATILES			Analyst: NSB						
Benzene	4.3	1.0 µg/L	1 12/17/2021 12:10:25 AM B84607						
Toluene	ND	1.0 µg/L	1 12/17/2021 12:10:25 AM B84607						
Ethylbenzene	ND	1.0 µg/L	1 12/17/2021 12:10:25 AM B84607						
Xylenes, Total	ND	2.0 μg/L	1 12/17/2021 12:10:25 AM B84607						
Surr: 4-Bromofluorobenzene	97.1 7	0-130 %Re	ec 1 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
- Н 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 11

Analytical Report Lab Order 2112926

Date Reported: 12/22/2021

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	Matrix: AQUEOUS Received Date: 12/15/2021 8							
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 8021B: VOLATILES					Analy	st: 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 7	0-130	%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
- Н 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

Page 9 of 11

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2112926
	22-Dec-21

Client:ENSOLUMProject:Trunk 6C

Troject. Traincoc	-									
Sample ID: mb	SampT	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch ID: B84607 RunNo: 84607									
Prep Date:	Analysis D	Date: 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	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batcl	h ID: B8	4607	F	RunNo: 8 4	4607				
Prep Date:	Analysis D	Date: 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			
Sample ID: mb-II	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batcl	h ID: Z8	4607	F	RunNo: 8 4	4607				
Prep Date:	Analysis D	Date: 12	2/16/2021	S	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	Гуре: LC	S	Tes	PA Method	8021B: Volat	iles			
Client ID: LCSW	Batcl	h ID: Z8	4607	RunNo: 84607						
Prep Date:	Analysis D	Date: 12	2/16/2021	S	SeqNo: 2	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
- 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

ENSOLUM

Trunk 6C

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

W 22-Dec-21

/O#:	2112926
	22-Dec-21

Sample ID: 2112926-009ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: MW-1	Batch	n ID: Z8	4607	R	RunNo: 8 4	4607				
Prep Date:	Analysis D	ate: 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			
						70	100			
Surr: 4-Bromofluorobenzene	190		200.0		97.2	70	130			
Surr: 4-Bromofluorobenzene		ype: MS		Tes			130 8021B: Volat	iles		
	SampT	ype: MS	SD.			PA Method		iles		
Sample ID: 2112926-009amsd	SampT	n ID: Z8	SD 4607	R	tCode: El	PA Method 4607		iles		
Sample ID: 2112926-009amsd Client ID: MW-1	SampT Batch	n ID: Z8	SD 4607 2/17/2021	R	tCode: El RunNo: 84	PA Method 4607	8021B: Volat	iles %RPD	RPDLimit	Qual
Sample ID: 2112926-009amsd Client ID: MW-1 Prep Date:	SampT Batch Analysis D	n ID: Z8 Date: 12	SD 4607 2/17/2021	R	tCode: El RunNo: 84 SeqNo: 29	PA Method 4607 974225	8021B: Volat Units: μg/L		RPDLimit 20	Qual
Sample ID: 2112926-009amsd Client ID: MW-1 Prep Date: Analyte	SampT Batch Analysis D Result	n ID: Z8 Pate: 12 PQL	5D 4607 2/17/2021 SPK value	R S SPK Ref Val	tCode: El RunNo: 84 SeqNo: 29 %REC	PA Method 4607 974225 LowLimit	8021Β: Volat Units: μ g/L HighLimit	%RPD		Qual
Sample ID: 2112926-009amsd Client ID: MW-1 Prep Date: Analyte Benzene	SampT Batch Analysis D Result 640	Date: 12 PQL 10	5D 4607 2/17/2021 SPK value 200.0	R S SPK Ref Val 434.9	tCode: El RunNo: 84 SeqNo: 29 %REC 103	PA Method 4607 974225 LowLimit 80	8021B: Volat Units: μg/L HighLimit 120	%RPD 0.197	20	Qual
Sample ID: 2112926-009amsd Client ID: MW-1 Prep Date: Analyte Benzene Toluene	SampT Batch Analysis D Result 640 300	Date: 12 Pate: 12 PQL 10 10	5D 4607 2/17/2021 SPK value 200.0 200.0	R S SPK Ref Val 434.9 102.5	tCode: El RunNo: 8 SeqNo: 2 %REC 103 97.5	PA Method 4607 974225 LowLimit 80 80	8021B: Volat Units: μg/L HighLimit 120 120	%RPD 0.197 0.330	20 20	Qual

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
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р
- RL Reporting Limit

Page 11 of 11

Sample pH Not In Range

Page 70 of 159

.

HALL ENVIRONMENT ANALYSIS LABORATORY	AL.	TE	ll Environme L: 505-345-2 ebsite: clien	490 Albuquerq 8975 FAX:	1 Hawl nue, NM 505-34	kins NE 187109 15-4107	Sar	nple Log-In C	heck List
Client Name: ENSOLUM		Work	Order Num	ber: 211	2926			RcptNo:	1
Received By: Isaiah Ort	iz	12/15/2	021 8:00:00) AM		42 68	I-C	24	
Completed By: Isaiah Ort	iz	12/15/2	021 8:55:12	2 AM			I_C	Dunk	
Reviewed By: DAD	12/15/2	١							
Chain of Custody									
1. Is Chain of Custody comp	lete?			Yes	\checkmark	ľ	No 🗌	Not Present	
2. How was the sample deliv	ered?			<u>Cou</u>	rier				
Log In 3. Was an attempt made to c	ool the samp	les?		Yes	\checkmark	1	No 🗌		
4. Were all samples received	at a tempera	ture of >0° C	to 6.0°C	Yes		٦	No 🗌		
5. Sample(s) in proper contai	ner(s)?			Yes	\checkmark	1	No 🗌		
6. Sufficient sample volume for	or indicated te	est(s)?		Yes	\checkmark	N	lo 🗌		
7. Are samples (except VOA	and ONG) pro	operly preserve	ed?	Yes	\checkmark	N	lo 🗌		
8. Was preservative added to	bottles?			Yes		N	lo 🔽	NA 🗌	
9. Received at least 1 vial with	n headspace	<1/4" for AQ \	/OA?	Yes	\checkmark	N	lo 🗌	NA 🗌	
10. Were any sample containe	rs received b	roken?		Yes		٢	No 🔽		
11. Does paperwork match bot		N.		Yes		N	lo 🗌	# of preserved bottles checked for pH:	12
(Note discrepancies on cha 2. Are matrices correctly ident	ning of the second second second			Yes	V	N	lo 🗌	Adjusted?	>12 unless noted
3. Is it clear what analyses we		120 - 502.4 - 504		Yes	2010/02/02				
4. Were all holding times able (If no, notify customer for a	to be met?			Yes	5		lo 🗆	Checked by:	re [2] 1
Special Handling (if app	licable)								
15. Was client notified of all di	screpancies v	with this order?	?	Yes		١	No 🗌	NA 🗹	
Person Notified:			Date		ant Alexandra		ani na si sa s		
By Whom:			Via:	🗌 eMa	ail 🗌	Phone	🗌 Fax	In Person	
Regarding: Client Instructions:									
16. Additional remarks:								in dan	
17. <u>Cooler Information</u>									
Cooler No Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signe	ed By		
1 2.5	Good	Not Present				3.10			
2 0.6	Good	Not Present		and the state of the					

Page 1 of 1

													nec
Chaii	n-of-Ci	Chain-of-Custody Record	Turn-Around Ti	Time:									ervei
Client:	Enselant, LL	, LLC	K Standard	□ Rush				MALL ENVI ANALVETE	EN				.>
			Project Name:)m
Mailing Address:	SS: 6.66	< 0 internada Linka A	NUN	1 60 X		007	4901 Hawkins NF	www.hallenvironmental.com		amenta	environmental.com		. 7/1
Aztec.	NW 87	141	Project #:			Tel	505-3	Tel. 505-345-3975	Fax	202-3	505-345-4107		3720
Phone #:			059	122601					Analysis	Request	est		
email or Fax#:	Ł	Summer 30 an solume con	Project Manager:	ger:					¢C		()1		2.44
QA/QC Package:	ë			Summer	S		s,80	SMI)S '⁺C		hsed/		(:58 P
		Level 4 (Full Validation)	· · · /)d	S0	Ъ		//tu		171
Accreditation:		□ Az Compliance	2	-1Dani	ell -			728	' ⁷ 01		IƏSƏ		
	Other			Yes	□ No				1 ' ^ɛ ((AO	19)		
			# of Coolers:	1. 2.6	11-						orm		
			COOIER I EITIP(including CF): 0,7	ncluding CF): 0,7	1-1911 11.0-1				_		olifo		
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.) XЭТ8 78:Н9Т	9 1808 1) 803	a shac ARDF	3260 (/ CI' E' I	6) 0728	D lstol		
2/14/24 9:20	3	NW-7	4	01	001	\times	_		_	_			
2/14/21 10:05	21 12	NIW-6	3x42unLYar	Haciz	200	~							
12/4/21 11:05	3	MW-13	3× Maul Vich	Hal 17	003	×							
12/14/4 11:35	3	WW-5	Zx 4 Bould Sp	Hally	2004	X							
02:21 Happite	2	NIW-9	ZxUDmL/DA	Han	005	X							
12/14/21 13:05	N	H-WIN	3×42ar UCA	Halli	006	$\overline{\ }$							
12/14/21 13:40	M	MW-3	DXYOMERIA	Hach	601	X							
14/11/14:15	M	NW-17	3x Hond LOA	Hally	008	12							
alupu 14245	MS	NW-1	3×40m40	Hall	009	X							
-				1 6									
									$\left \right $				
	-												
12/4/21 1529	Relinquished by:	Sec.	Received by:	Via	Date Time	Remarks:							
Date: Time:	Retinquished by:	20	Received by:	Via:	2/ 12 x								uge
10	S	Tan I malk	-	(2								71 of
If necessar	y, samples sub	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories	intracted to other ac	accredited laboratorie	いたいちんし しるのし s. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the	possibility. An	v suh-con	racted data	will he clea	rlv notated	1 on the analytical	l ranort	

 $^{\prime}S$

Dags 71 of 150



September 6, 2023

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

Submitted online via OCD E-Permitting:

https://wwwapps.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] RepRev(Ewsofithe 2022)GW2023)RE: Enterprise Field Services, LLCTrunk 6C Pipeline - Kutz Wash Release (09/22/11)Plan for Trunk 6CSan Juan County, New Mexico [SW ¼, S26 T28NPipeline Kutz Wash, 107.97400° W)]OCD RP: 3R-438; OCD Abatement Plan No. 131; I Release Content 20123

Dear Mr. Velez:

Satisfactory

1. Continue to monitor on a semi-annual basis

Enterprise Products Operating LLC (Enterprise), on behalt while Stages Field Services, LLC, is pleased to provide the New Mexico (NM) Energy, Minerals and Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (OCD) with an electronic copy (upload poroval. Conservation Division (Conservation Division (OCD) with an electronic copy (upload Division Conservation Division (Conservation Division Divisi

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 site-specific 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 <u>GEMiller@eprod.com</u>.

Sincerely,

Gregory E Miller

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

Rodney M. Sartor, REM Sr. Director, Environmental

cc: BLM, Farmington, NM – Mr. Ryan Joyner <6251 College Blvd., Suite A, Farmington, NM 87402> ec: NMOCD, Aztec, NM - Mr. Nelson Velez < <u>Nelson.Velez@state.nm.us</u>> NMOCD, Santa Fe, NM – Mr. Jim Griswold <<u>Jim.Griswold@state.nm.us</u>> NMOCD, Santa Fe, NM – Mr. Brad Billings <<u>Bradford.Billings@state.nm.us</u>> Ensolum, Houston, TX – Mr. Marc E. Gentry <<u>MGentry@ensolum.com</u>>

P.O. Box 4324 Houston, Texas 77210-4324 713.381.6500 Released to Imaging: 9/15/2023 9:46:06 AM 1100 Louisiana Street Houston, Texas 77002-5227 www.epplp.com



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

umm

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

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.



Page ii

TABLE OF CONTENTS

		1
1.1	Site Description & Background	1
1.2	Project Objective	2
2.0	GROUNDWATER MONITORING	2
2.1	Groundwater Laboratory Analytical Methods	3
2.2	Groundwater Flow Direction	4
2.3	Groundwater Data Evaluation	4
3.0	FINDINGS	5
4.0	RECOMMENDATIONS	5
5.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE	6
5.1	Standard of Care	6
5.2	Limitations	6
	Reliance	

LIST OF APPENDICES

Appendix A -Figures
Figure 1: Topographic Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4A: Groundwater Gradient Map (June 2022)
Figure 4B: Groundwater Gradient Map (December 2022)
Figure 5A: Groundwater Quality Standard (GQS) Exceedance Zone Map (June
2022)Figure 5B: Groundwater Quality Standard (GQS) Exceedance Zone Map
(December 2022)

- Appendix B Regulatory Correspondence
- Appendix C Tables Table 1: Groundwater Analytical Summary Table 2: Groundwater Elevations

Appendix D – Laboratory Data Sheets & Chain of Custody Documentation



INTRODUCTION

1.0

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".

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)

1.1 Site Description & Background

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,

ENSOLUM

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.

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**.

ENSOLUM

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

ENSOLUM

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.

concentration of 30 μ g/L, which is below the WQCC GQS of 750 μ g/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 μ g/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.

• 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

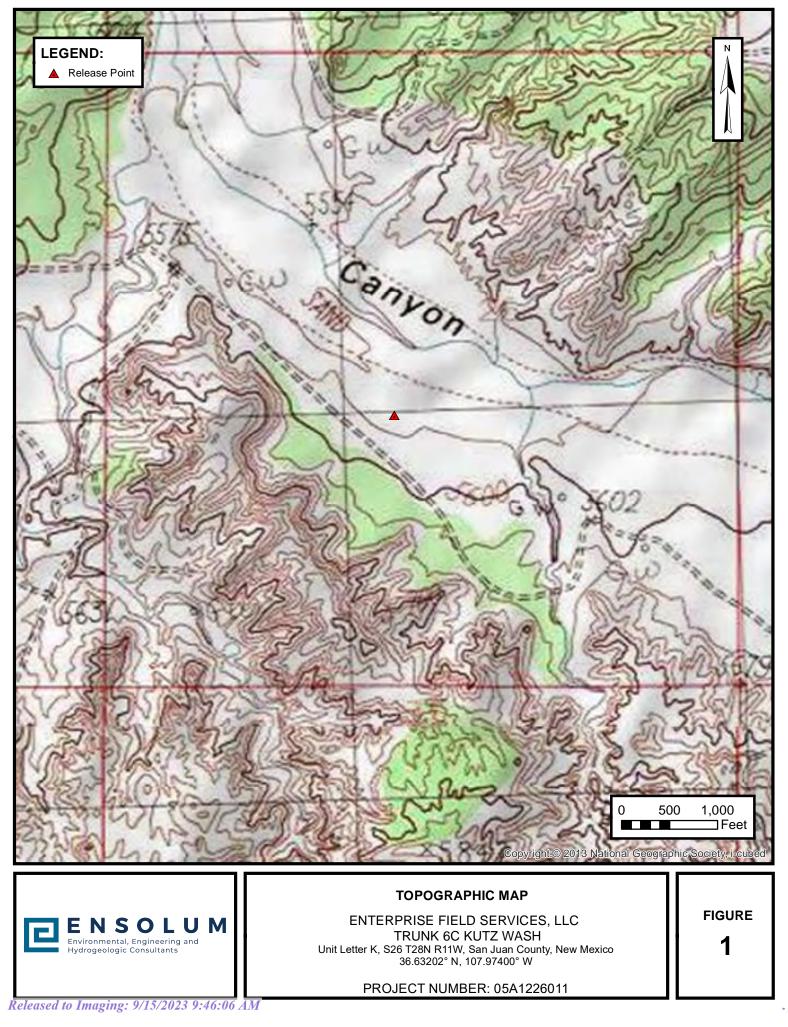
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution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



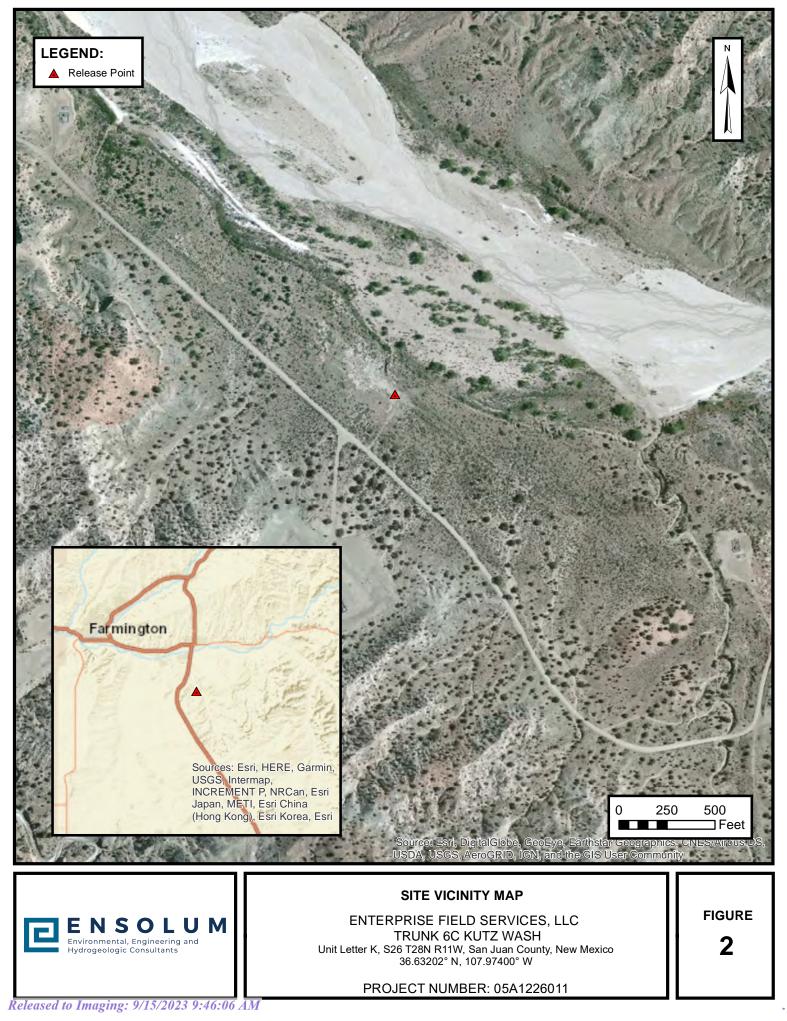


APPENDIX A

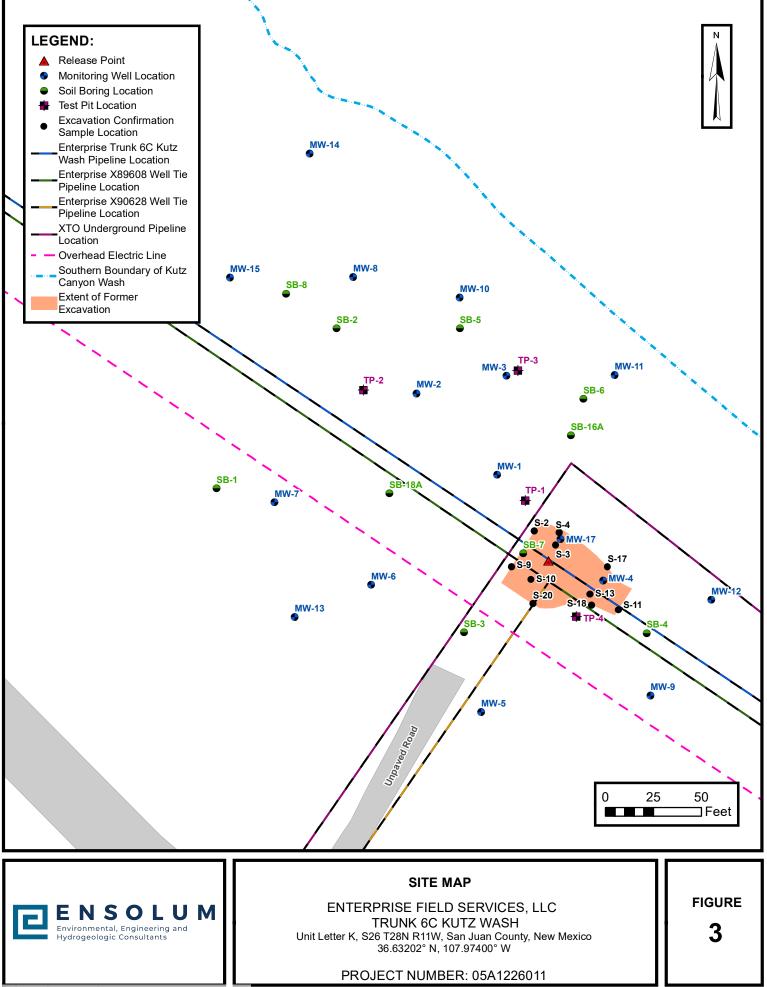
Figures

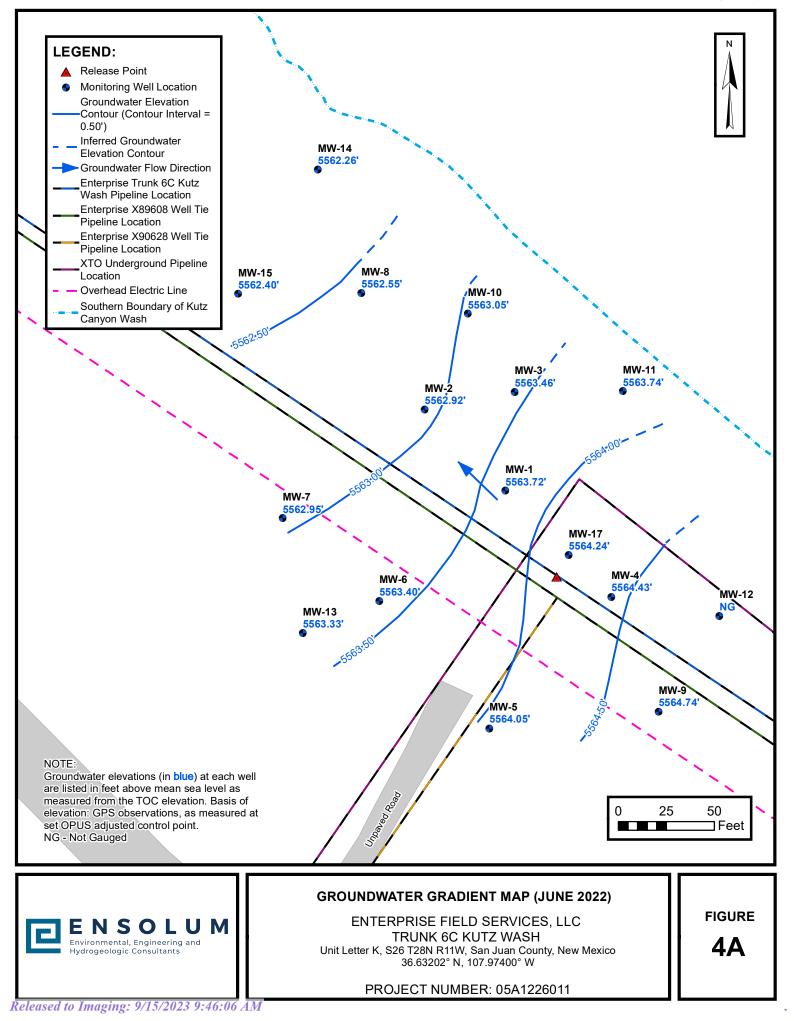


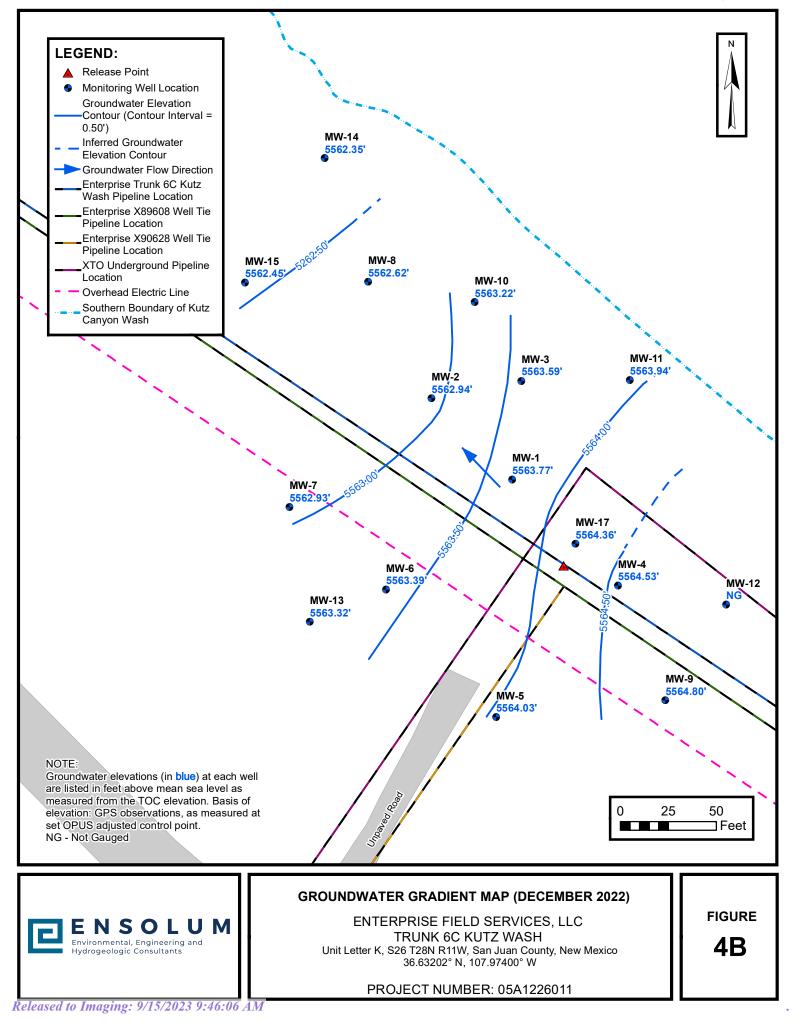
Received by OCD: 9/13/2023 12:44:58 PM

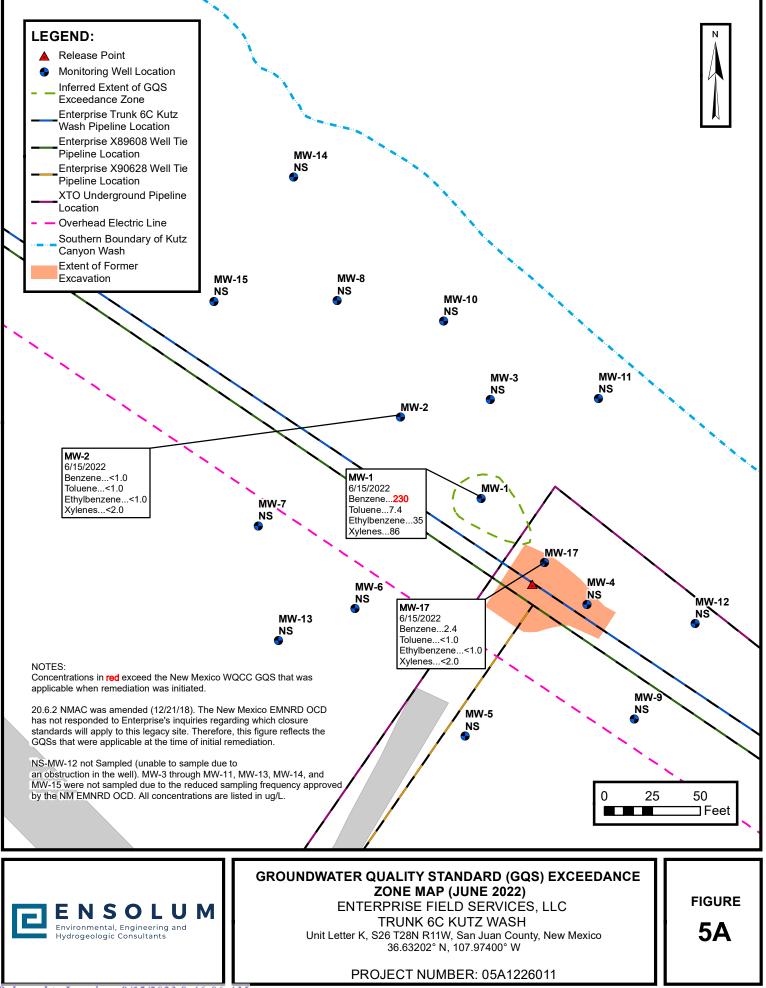


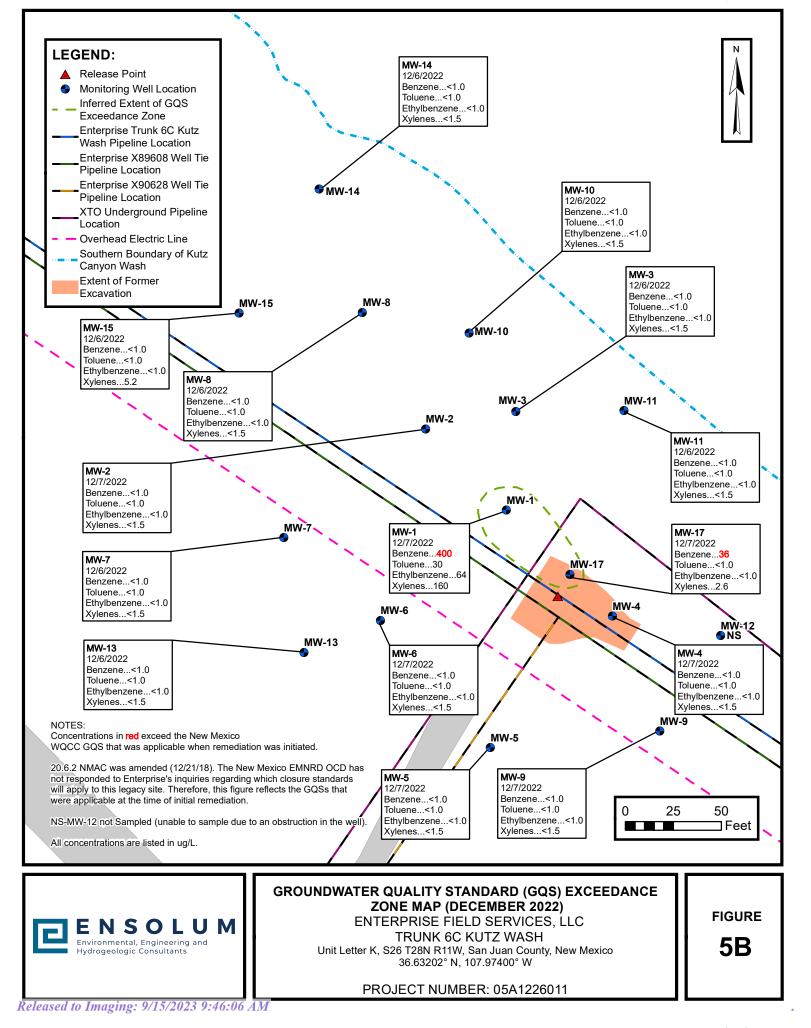
Received by OCD: 9/13/2023 12:44:58 PM













APPENDIX B

Regulatory Correspondence

From:	Kyle Summers
То:	Landon Daniell
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

r	-	
	1000	

Kyle Summers Principal 903-821-5603 Ensolum, LLC in f ¥

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>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Miller, Greg <GEMiller@eprod.com>
Subject: RE: [EXTERNAL] Trunk 6C - Section 26 T28N R 11W, 36.63197, -107.97408; Incident # NJK1201237146

[**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 | <u>nelson.velez@emnrd.nm.gov</u> NOTE NEW EMAIL ADDRESS http://www.emnrd.state.nm.us/OCD/_



From: Long, Thomas <<u>tjlong@eprod.com</u>> Sent: Wednesday, November 30, 2022 7:36 AM

To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>; Ryan Joyner <<u>rjoyner@blm.gov</u>> Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Kyle Summers <<u>ksummers@ensolum.com</u>>; 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) tjlong@eprod.com



From: Velez, Nelson, EMNRD <<u>Nelson.Velez@state.nm.us</u>>
Sent: Friday, June 10, 2022 9:49 AM
To: Stone, Brian <<u>bmstone@eprod.com</u>>
Cc: Kyle Summers <<u>ksummers@ensolum.com</u>>; Long, Thomas <<u>tilong@eprod.com</u>>
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 | <u>nelson.velez@state.nm.us</u>

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 <<u>bmstone@eprod.com</u>>
Sent: Thursday, June 9, 2022 4:05 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@state.nm.us</u>>
Cc: Kyle Summers <<u>ksummers@ensolum.com</u>>; Long, Thomas <<u>tjlong@eprod.com</u>>
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

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	
Sample I.D.			(µg/L)	(µg/L)	(µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	750 ⁴	620 ⁴	
	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	
10100-1	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY							
Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes		
	oumpio Buto	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ⁴	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		

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ⁴	620 ⁴	
	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	750 ⁴	620 ⁴	
	9.7.12	18	5.1	<2.0	<4.0	
	12.20.12	<2.0	<2.0	<2.0	<4.0	
	3.20.13	290	110	<2.0	15	
	6.19.13	600	45	<10	<20	
	9.18.13	830	39	<20	<30	
	12.16.13	300	110	10	63	
	3.14.14	4.0	<1.0	<1.0	<3.0	
	9.9.14	<2.0	<2.0	<2.0	<4.0	
	6.11.15	<1.0	<1.0	<1.0	<2.0	
	12.4.15	<1.0	<1.0	<1.0	<2.0	
	6.2.16	<1.0	<1.0	<1.0	<2.0	
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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY							
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)		
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ⁴	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		

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ⁴	620 ⁴	
	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	
10100-0	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY							
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)		
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	750 ⁴	620 ⁴		
	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		

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	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	
10100-0	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ^A	750 ⁴	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	
10100-5	6.27.17	<1.0	<1.0	<1.0	<2.0	
	1.9.18	<1.0	<1.0	<1.0	<2.0	
	6.21.18	<1.0	<1.0	<1.0	<1.5	
	12.13.18	<1.0	<1.0	<1.0	<2.0	
	8.22.19	<1.0	<1.0	<1.0	<2.0	
	1.10.20	<1.0	<1.0	<1.0	<2.0	
	6.4.20	<1.0	<1.0	<1.0	<1.5	
	11.24.20	<1.0	<1.0	<1.0	<1.5	
	6.24.21	<1.0	<1.0	<1.0	<1.5	
	12.14.21	<1.0	<1.0	<1.0	<2.0	
	6.15.22 ^B	NS	NS	NS	NS	
	12.7.22	<1.0	<1.0	<1.0	<1.5	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	750 ⁴	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
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 ⁴	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	

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY							
Sample I.D.	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)		
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	750 ⁴	750 ⁴	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 Ob	struction			
	12.6.22		Casing Ob	struction			

TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY						
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	
New Mexico Water Quality Control Commmission Groundwater Quality Standards		10 ^A	(µg/Ľ) 750 ⁴	(µg/Ľ) 750 ⁴	(µg/Ľ) 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	

	GROUN	TABLE 1 Trunk 6C Kutz 1 IDWATER ANALYTI	Nash		
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 ⁴	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
10100-10	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

🖻 ENSOLUM

	TABLE 1 Trunk 6C Kutz Wash GROUNDWATER ANALYTICAL SUMMARY											
Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)							
	er Quality Control water Quality Standards	10 ^A	750 ^A	750 ⁴	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	5.2	2.2	1.2	13							
	6.22.18	29	<1.0	2.4	<1.5							
	12.14.18	29	<1.0	1.8	<2.0							
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	4.3	<1.0	<1.0	<2.0							
	6.15.22	2.4	<1.0	<1.0	<2.0							
	12.7.22	36	<1.0	<1.0	2.6							

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

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

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

NS = Not Sampled.

 μ g/L = micrograms per liter

NAPL = Non-aqueous phase liquid

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

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

	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)					
	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		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			0070.40	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					

				TABLE 2				
				k 6C Kutz Wa WATER ELEV				
Well I.D.	Date	Depth to	Depth to	Product	Total Depth	Screen	тос	Groundwater
wen i.d.	Date	Product (feet BTOC)	Water (feet BTOC)	Thickness	of Well (feet BTOC)	Interval (feet BTOC)	Elevation (feet AMSL)	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	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			5575.15	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

				TABLE 2 k 6C Kutz Wa 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)
	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				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

				TABLE 2 k 6C Kutz Wa 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)
	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	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			0070.00	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

				TABLE 2 k 6C Kutz Wa 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)
	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			0000.11	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

t								
				TABLE 2				
				k 6C Kutz Wa				
				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)
	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				5563.48
	12.16.13	ND	18.46	ND			5582.22	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	23.50	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	6.23.21ND18.74ND12.13.21ND18.78ND		5563.24				
	12.13.21		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

							ENS	
				TABLE 2				
				k 6C Kutz Wa WATER ELEV				
Well I.D.	Date	Depth to	Depth to	Product	Total Depth	Screen	TOC	Groundwater
Wen I.D.	Date	Product (feet BTOC)	Water (feet BTOC)	Thickness	of Well (feet BTOC)	Interval (feet BTOC)	Elevation (feet AMSL)	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	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			0002.00	5562.91
	6.4.20	ND	19.00	ND				5563.05
	11.24.20	ND	19.39	ND				5562.66
	6.23.21	ND	19.26	ND				5562.79
	12.13.21	ND	19.31	ND				5562.74
	6.15.22	ND	19.10	ND				5562.95
	12.6.22	ND	19.12	ND				5562.93

				TABLE 2 k 6C Kutz Wa 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)
	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				5562.47
	6.4.20	ND	14.84	ND				5562.63
	11.24.20	ND	15.26	ND				5562.21
	6.23.21	ND	15.12	ND				5562.35
	12.13.21	ND	15.13	ND				5562.34
	6.15.22	ND	14.92	ND				5562.55
	12.6.22	ND	14.85	ND				5562.62

				TABLE 2 k 6C Kutz Wa 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)
	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			0002.00	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

	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)				
	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			5577.60	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				5562.98				
	6.27.17	ND	14.73	ND				5563.37				
MW-10*	1.09.18	ND	14.90	ND	21.36	11.36-21.36		5563.20				
10100-10	6.21.18	ND	15.05	ND	21.30	11.30-21.30		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			5576.10	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				

				TABLE 2 k 6C Kutz Wa 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	15.15	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			5576.05	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		11.25-21.25		5564.04
MW-11*	1.09.18	ND	15.11	ND	21.25			5563.93
10100-11	6.21.18	ND	15.28	ND	21.25	11.20-21.20		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			5579.04	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

				TABLE 2 k 6C Kutz Wa 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			5579.99	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		21.36	11.36-21.36		NG
MW-12*	1.09.18 ^C		NG					NG
10100-12	6.21.18 ^C		NG					NG
	12.13.18 ^C		NG					NG
	8.20.19 ^C		NG				5580.28	NG
	1.07.20 ^C		NG				5500.20	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

				TABLE 2 k 6C Kutz Wa 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	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			5565.05	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	25.20	15.20-25.20		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			5565.54	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	20.01	15.01-25.01	5570.58	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

🖻 ENSOLUM

				TABLE 2				
				k 6C Kutz Wa				
	_			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)
	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
	8.20.19	ND	16.70	ND	23.15	10 15 00 15	EE70 00	5562.13
MW-15	1.07.20	ND	16.50	ND	23.15	13.15-23.15	5578.83	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
	1.07.20	ND	15.62	ND				5564.24
	6.4.20	ND	15.51	ND				5564.35
	11.24.20	ND	15.90	ND				5563.96
	6.23.21	ND	15.84	ND				5564.02
	12.13.21	ND	15.77	ND				5564.09
	6.15.22	ND	15.62	ND				5564.24
	12.6.22	ND	15.50	ND				5564.36

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 D

Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 9/15/2023 9:46:06 AM



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

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2206871

Date Reported: 6/22/2022

CLIENT: ENSOLUM	Client Sample ID: MW-2									
Project: Trunk 6 C Kutz Wash		Col	lection Dat	e: 6/	15/2022 10:05:00 AM					
Lab ID: 2206871-001	Matrix: AQUEOUS Received Date: 6/16/2022 6:50:00 AM									
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	1.0	µg/L	1	6/21/2022 12:03:20 PM	R88920				
Toluene	ND	1.0	µg/L	1	6/21/2022 12:03:20 PM	R88920				
	ND	1.0	µg/L	1	6/21/2022 12:03:20 PM	R88920				
Ethylbenzene		1.0	P- 37 -							
Ethylbenzene Xylenes, Total	ND	2.0	µg/L	1	6/21/2022 12:03:20 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

Page 1 of 4

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2206871

Date Reported: 6/22/2022

CLIENT: ENSOLUM	Client Sample ID: MW-17 Collection Date: 6/15/2022 10:50:00 AM											
Project:Trunk 6 C Kutz WashLab ID:2206871-002	Matrix: AQUEOUS				16/2022 6:50:00 AM							
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch						
EPA METHOD 8021B: VOLATILES					Analyst	: NSB						
Benzene	2.4	1.0	µg/L	1	6/21/2022 12:26:49 PM	R88920						
Toluene	ND	1.0	µg/L	1	6/21/2022 12:26:49 PM	R88920						
Ethylbenzene	ND	1.0	µg/L	1	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 7	0-130	%Rec	1	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
- NDNot Detected at the Reporting LimitPQLPractical 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 2 of 4

Analytical Report Lab Order 2206871

Date Reported: 6/22/2022

CLIENT: ENSOLUM	Client Sample ID: MW-1										
Project: Trunk 6 C Kutz Wash		C	ollection Dat	e: 6/1	15/2022 11:25:00 AM						
Lab ID: 2206871-003	Matrix: AQUEOUS	ŀ	Received Dat	e: 6/2	16/2022 6:50:00 AM						
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 8021B: VOLATILES					Analys	: 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 7	0-130	%Rec	5	6/22/2022 2:07:50 AM	R88920					

Hall Environmental Analysis Laboratory, Inc.

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 3 of 4

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2206871	
aboratory, Inc.		22-Jun-22	

	NSOLUM runk 6 C Kutz Wa	ash								
Sample ID: mb	Samp	Гуре: МВ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBW	Batc	h ID: R8	8920	F	RunNo: 88	8920				
Prep Date:	Analysis [Date: 6/2	21/2022	5	SeqNo: 31	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-Bromofluorobenze	ene 18		20.00		91.2	70	130			
Sample ID: 100ng bte	x Ics Samp	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSW	Batc	h ID: R8	8920	F	RunNo: 88	3920				
Prep Date:	Analysis [Date: 6/2	21/2022	S	SeqNo: 31	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-Bromofluorobenze	ne 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

Page 4 of 4

•

ived by OCD: 9/13/2023 12 HALL ENVIRONMENT ANALYSIS LABORATORY		TEL:	Environmer 505-345-3 ebsite: www	4901 Albuquerqu 975 FAX: 5	Hawkins I e. NM 871 05-345-41	NE 09 Sar 07	Page Sample Log-In Check List				
Client Name: ENSOLUM		Work C	order Numb	ber: 2206	371		RcptNo:	1			
Received By: Juan Roja	IS	6/16/2022	2 6:50:00 /	AM		(Juan and					
Completed By: Tracy Cas	arrubias	6/16/2022	2 8:38:02 /	AM							
Reviewed By: Jn 6/1											
Chain of Custody											
1. Is Chain of Custody comp	lete?			Yes	~	No 🗌	Not Present				
2. How was the sample deliv	ered?			<u>Couri</u>	er						
Log In 3. Was an attempt made to c	ool the samples?			Yes	✓	No 🗌	NA 🗌				
4. Were all samples received	at a temperature	of >0°C to	6.0°C	Yes	v	No 🗌					
5. Sample(s) in proper contai	ner(s)?			Yes		No 🗌					
6. Sufficient sample volume for	or indicated test(s)	?		Yes		No 🗌					
7. Are samples (except VOA	and ONG) properly	preserved	?	Yes		No 🗌					
8. Was preservative added to	bottles?			Yes [No 🔽	NA 🗌				
9. Received at least 1 vial with	n headspace <1/4	for AQ VO	A?	Yes [No 🗌	NA 🗹				
10. Were any sample containe	rs received broke	י?		Yes [No 🔽	# of preserved	/			
11. Does paperwork match bot (Note discrepancies on cha				Yes		No 🗌	bottles checked for pH: (<2 or	>12 unless noted)			
12. Are matrices correctly ident	ified on Chain of (Sustody?		Yes		No 🗌	Adjusted?				
13. Is it clear what analyses we	re requested?			Yes		No 🗌		0			
14. Were all holding times able (If no, notify customer for a				Yes		No 🗌	Checked by:	Pa 6.16.2			
Special Handling (if app	licable)										
15. Was client notified of all dis	screpancies with t	nis order?		Yes [No 🗌	NA 🗹				
Person Notified:		A Anna Anna Andrew	Date:]		na shekar ta sa					
By Whom:			Via:	🗌 eMai	Phc	one 🗌 Fax	In Person				
Regarding: Client Instructions:											
16. Additional remarks:											
17. <u>Cooler Information</u>				(2)							
Cooler No Temp °C 1 0.4	Condition Se Good Yes	al Intact S	Seal No	Seal Dat	e S	igned By					
	I						Asses				

Page 1 of 1

Reccur in necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	15/20	ate: Time: Relinquished by:	1211545	State: Time: Relinquished by:	3/2	923	12:4	₩25			6/15/22-11:25 (N MW-)	41700 WW WW-17	6/13/22 WOODS US MW-2	Date Time Matrix Sample Name		EDD (Type)		Accreditation: Az Compliance	QA/QC Package:	email or Fax#: # Surveyscocuse lun con	Phone #:	Azter, NM BTYID	Mailing Address: Ges Grande, Suitch	Pag	132 Client: Ensolwing LLC	Chain-of-Custody Record	
		Received by: Via: Date Time	What Ush21	Received by: Via: Date Time							Solowi Vel V 003	3xHand VIA 002	3x Umilion Hatis 001	Container Preservative HEAL No. Type and # Type 2206871	Cooler Temp(Including CF): のイーのつのイ (°C)	# of Coolers: 1	On Ice: Pres IN0	Sampler:	K. Summers	Project Manager:	057 122011	Project #:	Trunk 6C Katzlinsh	Project Name:	Standard Rush	Turn-Around Time:	
This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.		ISTIT OF LUSOINT	0								×	×		BTEX / TPH:80 8081 P EDB (M PAHs t RCRA Cl, F, I 8260 (V 8270 (S Total C	D15D Pestic Metho by 83 8 Me Br, 1 VOA Semi	(GF cide od { 310 etals NO ₃	RO / s/8(504 or { s s, N	(DF 082 .1) 327 10 ₂ ,	RO / MF PCB's OSIMS PO4, S	RO) SO ₄	Analysis Request	01	4901 Hawkins NE - Albuquerque, NM 87109	www.hallenvironmental.com			

Released to Imaging: 9/15/2023 9:46:06 AM



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

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 2212338

Hall Environmental Analysis Laboratory, Inc. Date Reported: 12/19/2022

CLIENT	: ENSOLUM	Client Sample ID: MW-7									
Project:	Trunk 6C Kutz Wash		(Collection Dat	e: 12	2/6/2022 12:05:00 PM					
Lab ID:	2212338-001	Matrix: AQUEOUS	5	Received Dat	e: 12	2/7/2022 7:10:00 AM					
Analyses	S	Result	RL	Qual Units	DF	F Date Analyzed	Batch				
EPA ME	THOD 8260: VOLATILES SH	IORT LIST				Analys	st: CCM				
Benzene	e	ND	1.0	µg/L	1	12/12/2022 11:47:00 P	M R93215				
Toluene		ND	1.0	μg/L	1	12/12/2022 11:47:00 P	M R93215				
Ethylber	nzene	ND	1.0	µg/L	1	12/12/2022 11:47:00 P	M R93215				
Xylenes,	, Total	ND	1.5	µg/L	1	12/12/2022 11:47:00 P	M R93215				
Surr:	1,2-Dichloroethane-d4	83.8	70-130	%Rec	1	12/12/2022 11:47:00 P	M R93215				
Surr:	Dibromofluoromethane	92.3	70-130	%Rec	1	12/12/2022 11:47:00 P	M R93215				
Surr	Toluene-d8	92.9	70-130	%Rec	1	12/12/2022 11:47:00 P	M D02216				

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 ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit
 - imit

Page 1 of 11

Surr: Toluene-d8

Analytical Report Lab Order 2212338

12/13/2022 12:55:00 AM R93215

Hall Environmental	Analysis	Laboratory, Inc.	
	•		

Date Reported: 12/19/2022

CLIENT:	ENSOLUM		Client S	Sample II	D: M	W-15			
Project:	Trunk 6C Kutz Wash		Collection Date: 12/6/2022 12:35:00 PM						
Lab ID:	2212338-002	Matrix: AQUEOU	JS Rece	ived Dat	e: 12	2/7/2022 7:10:00 AM			
Analyses		Result	RL Oua	l Units	DF	Date Analyzed	Batch		
1111113505		Rebuit	ILL Qui	i emis	21	Date MilaryZea	Duten		
0	HOD 8260: VOLATILES SH		ILL Qui		21		st: CCM		
0	HOD 8260: VOLATILES SH		1.0	μg/L	1		st: CCM		
EPA MET	HOD 8260: VOLATILES SH	IORT LIST	C		1	Analy	st: CCM AM R9321		
EPA MET Benzene		IORT LIST	1.0	µg/L	1	Analy 12/13/2022 12:55:00 /	st: CCM AM R9321 AM R9321		
EPA MET Benzene Toluene	rene	IORT LIST ND ND	1.0 1.0	μg/L μg/L	1 1	Analy 12/13/2022 12:55:00 A 12/13/2022 12:55:00 A	st: CCM AM R9321 AM R9321 AM R9321		
EPA MET Benzene Toluene Ethylbenz Xylenes, 1	rene	IORT LIST ND ND ND	1.0 1.0 1.0	μg/L μg/L μg/L	1 1	Analy 12/13/2022 12:55:00 / 12/13/2022 12:55:00 / 12/13/2022 12:55:00 /	st: CCM AM R9321 AM R9321 AM R9321 AM R9321		

95.9

70-130

%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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

Page 2 of 11

Surr: Dibromofluoromethane

Surr: Toluene-d8

Analytical Report Lab Order 2212338

Date Reported: 12/19/2022

12/13/2022 1:18:00 AM R93215

12/13/2022 1:18:00 AM R93215

CLIENT:	ENSOLUM		Client Sample ID: MW-14						
Project:	Trunk 6C Kutz Wash	Collection Date: 12/6/2022 1:10:00 PM Matrix: AQUEOUS Received Date: 12/7/2022 7:10:00 AM							
Lab ID:	2212338-003								
Analyses		Result	RL Ou	al Units	DF	Date Analyzed	Batch		
J						5			
Ũ	THOD 8260: VOLATILES SH	IORT LIST				Analyst	: CCM		
Ū	THOD 8260: VOLATILES SH	IORT LIST	1.0	µg/L	1	Analyst 12/13/2022 1:18:00 AM			
EPA ME	THOD 8260: VOLATILES SH		1.0 1.0	μg/L μg/L	1		R932		
EPA ME Benzene	THOD 8260: VOLATILES SH	ND			1 1 1	12/13/2022 1:18:00 AM	R932 R932		
EPA ME Benzene Toluene	THOD 8260: VOLATILES SH	ND ND	1.0	μg/L	1 1 1 1	12/13/2022 1:18:00 AM 12/13/2022 1:18:00 AM	R932 R932 R932		

91.2

91.4

70-130

70-130

%Rec

%Rec

1

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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL
 - Reporting Limit

Page 3 of 11

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 2212338

Date Reported: 12/19/2022

CLIENT	: ENSOLUM		Client Sample ID: MW-10					
Project:	Trunk 6C Kutz Wash		Collection Date: 12/6/2022 1:30:00 PM					
Lab ID:	2212338-004	Matrix: AQUEOUS	5	Received Dat	e: 12	2/7/2022 7:10:00 AM		
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA ME	THOD 8260: VOLATILES SH	IORT LIST				Analyst	: CCM	
Benzene	2	ND	1.0	µg/L	1	12/13/2022 1:40:00 AM	R93215	
Toluene		ND	1.0	μg/L	1	12/13/2022 1:40:00 AM	R93215	
Ethylber	izene	ND	1.0	μg/L	1	12/13/2022 1:40:00 AM	R93215	
Xylenes,	Total	ND	1.5	μg/L	1	12/13/2022 1:40:00 AM	R93215	
Surr:	1,2-Dichloroethane-d4	84.4	70-130	%Rec	1	12/13/2022 1:40:00 AM	R93215	
Surr:	Dibromofluoromethane	91.7	70-130	%Rec	1	12/13/2022 1:40:00 AM	R93215	
Surr:	Toluene-d8	91.7	70-130	%Rec	1	12/13/2022 1:40:00 AM	R93215	

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

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 11

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Surr: Dibromofluoromethane

Surr: Toluene-d8

Analytical Report

Date Reported: 12/19/2022

12/13/2022 2:03:00 AM R93215

12/13/2022 2:03:00 AM R93215

Lab Order 2212338

CLIENT:	ENSOLUM		Client	Sample I	D: M	W-8	
Project:	Trunk 6C Kutz Wash	Collection Date: 12/6/2022 1:40:00 PM Matrix: AQUEOUS Received Date: 12/7/2022 7:10:00 AM					
Lab ID:	2212338-005						
Analyses	5	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
-							
EPA ME	THOD 8260: VOLATILES SH	ORT LIST				Analyst	: CCM
EPA ME		ORT LIST	1.0	μg/L	1	Analyst 12/13/2022 2:03:00 AM	
)		1.0 1.0	μg/L μg/L	1 1	,	R9321
Benzene)	ND			1 1 1	12/13/2022 2:03:00 AM	R9321
Benzene Toluene	izene	ND ND	1.0	µg/L	•	12/13/2022 2:03:00 AM 12/13/2022 2:03:00 AM	R932 ⁴ R932 ⁴ R932 ⁴

91.0

90.9

70-130

70-130

%Rec

%Rec

1

1

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

Oua	lifiers	:

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

Page 5 of 11

Analytical Report

Lab Order 2212338

Date Reported: 12/19/2022

CLIENT: ENSOLUM Client Sample ID: MW-11					W-11				
Project:	Trunk 6C Kutz Wash		Collection Date: 12/6/2022 2:00:00 PM						
Lab ID:	2212338-006	Matrix:	AQUEOUS		Receiv	ed Dat	e: 12	/7/2022 7:10:00 AM	
Analyses	5	Res	sult	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 8260: VOLATILES SH	ORT LIST						Analyst	CCM
Benzene	9		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
Ethylber	nzene		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	9	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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 11

Analytical Report

Hall Environmental	Analysis	Laboratory, Inc.	
	•		

Lab Order 2212338

Date Reported: 12/19/2022

CLIENT	ENSOLUM		Cli	ient Sample I	D: M	W-3			
Project:	Trunk 6C Kutz Wash	Collection Date: 12/6/2022 2:10:00 PM							
Lab ID:	2212338-007	Matrix: AQUE	OUS	Received Dat	e: 12	2/7/2022 7:10:00 AM			
Analyses	8	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 8260: VOLATILES SHOR	T LIST				Analyst	CCM		
Benzene	9	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		
Ethylben	izene	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
- Н 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.
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 11

Analytical Report Lab Order 2212338

Hall	Environm	ental An	alysis I	Laboratory, 1	Inc.

Date Reported:	12/19/2022
----------------	------------

CLIENT:	ENSOLUM		Cli	ient Sample	ID: M	W-13	
Project:	Trunk 6C Kutz Wash		(Collection Da	te: 12	/6/2022 2:30:00 PM	
Lab ID:	2212338-008	Matrix: AQUEOUS		Received Da	te: 12	/7/2022 7:10:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 8260: VOLATILES SHO	DRT 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
Ethylbenz	ene	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 7	0-130	%Rec	1	12/13/2022 3:11:00 AM	R93215
Surr: D	ibromofluoromethane	93.5 7	0-130	%Rec	1	12/13/2022 3:11:00 AM	R93215
Surr: T	oluene-d8	90.9 7	0-130	%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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 11

Analytical Report Lab Order 2212338

Date Reported: 12/19/2022

CLIENT: ENSOLUM		Client Sample ID: Trip Blank						
Project:	Trunk 6C Kutz Wash	Collection Date:						
Lab ID:	2212338-009	Matrix: AQUEOU	S]	Received Dat	ate: 12/7/2022 7:10:00 AM			
Analyses		Result	RL	RL Qual Units		Date Analyzed	Batch	
EPA ME	THOD 8260: VOLATILES SHO	RT LIST				Analyst	CCM	
Benzene	9	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	
Ethylben	izene	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.

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 11

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Trunk 6C Kutz Wash

Client:

Project:

Sample ID: 100ng Ics 2

Client ID: LCSW

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Batch ID: R93215

Prep Date:	rep Date: Analysis Date: 12/12/2022 SeqNo: 3359		359432	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	SampT	уре: МВ	BLK	Tes	stCode: EF	PA Method	8260: Volatile	es Short Li	st	
Client ID: PBW	Batcl	n ID: R9 3	3215	F	RunNo: 9 3	3215				
Prep Date:	Analysis [Date: 12	/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			
Surr: Toluene-d8 Sample ID: 2212338-001ams		уре: МS		Tes			130 8260: Volatile	es Short Li	st	
	SampT	ype: MS	;			PA Method		es Short Li	st	
Sample ID: 2212338-001ams	SampT	n ID: R9 :	; 3215	F	stCode: EF	PA Method 3215		es Short Li	st	
Sample ID: 2212338-001ams Client ID: MW-7	SampT Batch Analysis I Result	n ID: R9 : Date: 12 PQL	3215 //13/2022 SPK value	F SPK Ref Val	stCode: EF RunNo: 9; SeqNo: 3; %REC	PA Method 3215 359435 LowLimit	8260: Volatile Units: μg/L HighLimit	es Short Li %RPD	st RPDLimit	Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date:	Samp Batcl Analysis I	n ID: R9 : Date: 12	3215 /13/2022	F	stCode: EF RunNo: 9; SeqNo: 3;	PA Method 3215 359435	8260: Volatile Units: μg/L			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte	SampT Batch Analysis I Result	n ID: R9 : Date: 12 PQL	3215 //13/2022 SPK value	F SPK Ref Val	stCode: EF RunNo: 9; SeqNo: 3; %REC	PA Method 3215 359435 LowLimit	8260: Volatile Units: μg/L HighLimit			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene	Samp Batc Analysis I Result 20 21 8.3	n ID: R9 : Date: 12 PQL 1.0	3215 /13/2022 SPK value 20.00	F SPK Ref Val 0	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6	PA Method 3215 359435 LowLimit 70	8260: Volatile Units: μg/L HighLimit 130			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene	Samp Batcl Analysis I Result 20 21	n ID: R9 : Date: 12 PQL 1.0	3215 /13/2022 SPK value 20.00 20.00	F SPK Ref Val 0	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106	PA Method 3215 359435 LowLimit 70 70	8260: Volatile Units: μg/L HighLimit 130 130			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	Samp ^T Batcl Analysis I Result 20 21 8.3 9.9 8.9	n ID: R9 : Date: 12 PQL 1.0	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00	F SPK Ref Val 0	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6 98.7 89.4	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Samp Batch Analysis I Result 20 21 8.3 9.9	n ID: R9 : Date: 12 PQL 1.0	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00	F SPK Ref Val 0	stCode: EF RunNo: 9; SeqNo: 3; %REC 102 106 82.6 98.7	PA Method 3215 359435 LowLimit 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130			Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	Samp Batc Analysis I Result 20 21 8.3 9.9 8.9 9.4	n ID: R9 : Date: 12 PQL 1.0	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00 10.00	F SPK Ref Val 0 0	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6 98.7 89.4 93.9	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130	%RPD	RPDLimit	Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8	Samp Batcl Analysis I Result 20 21 8.3 9.9 8.9 9.4 Samp	Date: 12 PQL 1.0 1.0	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00	F SPK Ref Val 0 0 Tes	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6 98.7 89.4 93.9	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130 130	%RPD	RPDLimit	Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: 2212338-001amsd	Samp Batcl Analysis I Result 20 21 8.3 9.9 8.9 9.4 Samp	Date: 12 PQL 1.0 1.0 ⁻ ype: MS	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00 5D 3215	F SPK Ref Val 0 0 Tes F	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6 98.7 89.4 93.9 stCode: EF	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130 130	%RPD	RPDLimit	Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: 2212338-001amsd Client ID: MW-7	Samp Batcl Analysis I Result 20 21 8.3 9.9 8.9 9.4 Samp Batcl	Date: 12 PQL 1.0 1.0 ⁻ ype: MS	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00 5D 3215	F SPK Ref Val 0 0 Tes F	stCode: EF RunNo: 9: SeqNo: 3: %REC 102 106 82.6 98.7 89.4 93.9 stCode: EF RunNo: 9:	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130 130 8260: Volatile	%RPD	RPDLimit	Qual
Sample ID: 2212338-001ams Client ID: MW-7 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: 2212338-001amsd Client ID: MW-7 Prep Date:	Samp Batcl Analysis I 20 21 8.3 9.9 8.9 9.4 Samp Batcl Analysis I	Date: 12 PQL 1.0 1.0 Type: MS Date: 12	3215 /13/2022 SPK value 20.00 20.00 10.00 10.00 10.00 10.00 3215 /13/2022	F SPK Ref Val 0 0 Tes	stCode: EF RunNo: 93 SeqNo: 33 %REC 102 106 82.6 98.7 89.4 93.9 stCode: EF RunNo: 93 SeqNo: 33	PA Method 3215 359435 LowLimit 70 70 70 70 70 70 70 70 70 70 70 70 70	8260: Volatile Units: μg/L HighLimit 130 130 130 130 130 130 8260: Volatile Units: μg/L	%RPD	RPDLimit st	

TestCode: EPA Method 8260: Volatiles Short List

RunNo: 93215

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

Page 10 of 11

WO#: 2212338 19-Dec-22

Trunk 6C Kutz Wash

Client:

Project:

Client ID:

Prep Date:

Analyte

Sample ID: 2212338-001amsd

MW-7

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

QC SUMMARY REPORT H

Result

8.2

10

8.9

9.4

SampType: MSD

Batch ID: R93215

Analysis Date: 12/13/2022

PQL

SPK value

10.00

10.00

10.00

10.00

SPK Ref Val

Released to Imaging: 9/15/2023 9:46:06 AM

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

Page 11 of 11

all Environmental Analysis Laboratory, Inc.

WO#: 2212338 19-Dec-22

TestCode: EPA Method 8260: Volatiles Short List

Units: µg/L

HighLimit

130

130

130

130

%RPD

0

0

0

0

RPDLimit

0

0

0

0

Qual

RunNo: 93215

%REC

81.8

100

88.7

93.5

SeqNo: 3359436

LowLimit

70

70

70

70

HALL
ENVIRONMENTAL
 ANALYSIS
LABORATORY

Page 145 of 159

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

Released to Imaging: 9/15/2023 9:46:06 AM

Client Name: ENSOLUN		Work	Order Num	nber: 2212338	i	RcptNo	1
Received By: Juan Roja	is	12/7/20	022 7:10:00	AM	(Juan Eng)	~	
Completed By: Tracy Cas)22 11:13:2		/		
			ν <u>εε</u> 11.13.Ζ				
JN 12/	7/22	-					
Chain of Custody							
1. Is Chain of Custody comp	lete?			Yes 🗹	No 🗌	Not Present	
2. How was the sample deliv	ered?			Courier			
<u>Log In</u>							
3. Was an attempt made to	cool the samp	les?		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 proper conta	iner(s)?			Yes 🗹	No 🗌		
6. Sufficient sample volume t	or indicated to	est(s)?		Yes 🗹	No 🗌		
7. Are samples (except VOA	and ONG) pr	operly preserve	ed?	Yes 🗹	No 🗌		
8. Was preservative added to	bottles?			Yes 🗌	No 🗹	na 🗆	
9. Received at least 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes 🔽	No 🗌		
0. Were any sample contained	-			Yes	No 🔽		
						# of preserved bottles checked	
1. Does paperwork match bo (Note discrepancies on chi		A		Yes 🗹	No 🗌	for pH:	>12 unless noted)
(Note discrepancies on cha 2. Are matrices correctly iden	•			Yes 🔽	No 🗌	Adjusted?	- 12 unices notea)
3. Is it clear what analyses w		-		Yes 🗹	No 🗌		
4. Were all holding times able	to be met?			Yes 🗹	No 🔎	Checked by:	The 12/7/0
(If no, notify customer for a	uthorization.)						a factor a second
pecial Handling (if app				_			
5. Was client notified of all d	screpancies	with this order?	?	Yes 🗌	No 🗌	NA 🗹	1
Person Notified:		1.0.100 per el 51 51.0.	Date				
By Whom:			Via:	🗌 eMail 🏼 🏾	Phone 🗌 Fax	In Person	
Regarding:							
Client Instructions:							
6. Additional remarks:							
7. Cooler Information							
Cooler No Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
1 0.4	Good	Yes					

Chain-of-Custody Record	Turn-Around Time:	
Client:		
Fasolum, LLC	🗙 Standard 🛛 Rush	ANALYSIS LABORATORY
	Project Name:	www.hallenvironmental.com
Mailing Address: 606 S Rio Grande Suite A	Trunk 6C kultulash	4901 Hawkins NE - Albuquerque, NM 87109
1 01/14	Project #:	Tel. 505-345-3975 Fax 505-345-4107
	0591224011	Anal
email or Fax#: 7 Scanno - 50 and unson	Construction Project Manager:	*Os
QA/QC Package:		5 '*C SW
Standard Level 4 (Full Validation)	K. Junners	(05 0 0 0 0 0 0 0 0 0
Accreditation:	Sampler: L. Daniell	10 ² 827 10 ²
	On Ice: Tes DNo	O5 8\2 10 10 8 1 10 8 1 8 (AC
EDD (Type)	# of Coolers:]	(GH 310 310 310 310 310
	Cooler Temp(Including CF): 0-340.1 - 0.4 (°C)	15D estid 14th 14th 15 3t, 1 1 7 0 AO 1 7 0 AO
	HEAL	EX / Hs b 1:80 (V 20 (S 20 (S
Date Time Matrix Sample Name	# 4 7 4	11P! 826 826 826 805 805
1-MM m Sois 12,05	3×40mLVON Hall, OCU	×
12/19/2/235 W NAW-15		
126/22/3:10 WW-14	003	
1246/22/13:30 W NW- 10	001	X
12/6/24 13:40 W WW - B	Sou	
3	000	X
12/12/14:10 W WW-3	tro t	X
12/0/221 14:30 W MW-13	4 WY	
Tho Blank	900	
-		
Date: Time: Relinquished by:	Repeived by: Via: Date Time	Remarks:
Time: Reling		Bill to Ensolum
man citto la ittadal.	1 THE ROWING THE	
If necessary, samples submitted to Hall Environmental may be sub Released to Imaging: 9/15/2023 9:46:06 AM	contracted to other accredited laboratories. This serves as notice of thi	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.

Released to Imaging: 9/15/2023 9:46:06 AM



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

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order 2212499

Date Reported: 12/19/2022

CLIENT	: ENSOLUM	Client Sample ID: MW-6					
Project:	Trunk 6C Kutz Wash	Collection Date: 12/7/2022 11:05:00 AM Matrix: AQUEOUS Received Date: 12/8/2022 7:20:00 AM					
Lab ID:	2212499-001						
Analyses	8	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 8260: VOLATILES SHO	ORT LIST				Analyst	CCM
Benzene	9	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
Ethylben	izene	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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Hall Environmental	Analysis	Laboratory, Inc.	
	•		

Lab Order 2212499

Date Reported: 12/19/2022

CLIENT	: ENSOLUM	Client Sample ID: MW-5					
Project:	Trunk 6C Kutz Wash	z Wash Collection Date: 12/7/2022 11:30:00 AM Matrix: AQUEOUS Received Date: 12/8/2022 7:20:00 AM					
Lab ID:	2212499-002						
Analyses	8	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 8260: VOLATILES SH	ORT LIST				Analyst	CCM
Benzene	9	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
Ethylben	izene	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.

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

- D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Page 2 of 8

Lab Order 2212499

Date Reported: 12/19/2022

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: AQUEO	US	Received Dat	e: 12	2/8/2022 7:20:00 AM	
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 8260: VOLATILES SH	ORT LIST				Analyst	CCM
Benzene	9	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
Ethylber	nzene	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.

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

- D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2212499

Date F	Reported:	12/19/2022	

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								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 8260: VOLATILES S	HORT 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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 4 of 8

Lab Order 2212499

Date Reported: 12/19/2022

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	3	Result	RL Qual Units		DF	Date Analyzed	Batch			
EPA ME	THOD 8260: VOLATILES SH	IORT LIST				Analyst	CCM			
Benzene	9	ND	1.0	µg/L	1	12/13/2022 5:28:00 AM	R93215			
Toluene		ND	1.0	μg/L	1	12/13/2022 5:28:00 AM	R93215			
Ethylben	izene	ND	1.0	μg/L	1	12/13/2022 5:28:00 AM	R93215			
Xylenes,	Total	ND	1.5	μg/L	1	12/13/2022 5:28:00 AM	R93215			
Surr:	1,2-Dichloroethane-d4	84.9	70-130	%Rec	1	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	1	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
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 8

Surr: Dibromofluoromethane

Surr: Toluene-d8

Analytical Report Lab Order 2212499

Hall Environmental	Analysis	Laboratory, Inc.	

Date Reported: 12/19/2022

12/13/2022 5:51:00 AM

12/13/2022 5:51:00 AM R93215

R93215

				F		
CLIENT: ENSOLUM		Client Sam	ple 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 A					
Analyses	Result	RL Qual Units		OF Date Analyzed Batc		
EPA METHOD 8260: VOLATILES S	SHORT LIST			Analyst: CCN		
Benzene	36	1.0 µ	ıg/L	1 12/13/2022 5:51:00 AM R932		
Toluene	ND	1.0 µ	ıg/L	1 12/13/2022 5:51:00 AM R932		
Ethylbenzene	ND	1.0 µ	ıg/L	1 12/13/2022 5:51:00 AM R932		
Xylenes, Total	2.6	1.5 L	ıg/L	1 12/13/2022 5:51:00 AM R932		

89.9

94.2

70-130

70-130

%Rec

%Rec

1

1

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

Qualifiers: *	 Value exce
---------------	--------------------------------

- eeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н 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. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- Reporting Limit
- RL

Page 6 of 8

Released to Imaging: 9/15/2023 9:46:06 AM

Hall	Environmental	Analysis	Laboratory, Inc.	
		•	•	

Lab Order 2212499

Date Reported: 12/19/2022

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	8	Result RL Qual Units DF Date Analyzed					Batch		
EPA ME	THOD 8260: VOLATILES SHO	ORT LIST				Analyst	ССМ		
Benzene	9	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		
Ethylben	izene	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.

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

Page 7 of 8

ENSOLUM

Trunk 6C Kutz Wash

Client:

Project:

WO	<i>)#:</i> 2212499
	21-Dec-22

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

Sample ID: 100ng Ics 2	SampT	ype: LC	S	TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW	Batc	n ID: R9	3215	F	RunNo: 9 :	3215				
Prep Date:	Analysis [Date: 12	2/12/2022	S	SeqNo: 3	359432	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	Samp	ype: ME	BLK	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: PBW	Batc	n ID: R9	3215	F	RunNo: 9 3	3215				
Prep Date:	Analysis [Date: 12	2/12/2022	S	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	0.4		40.00							
	9.1		10.00		91.1	70	130			

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

Page 8 of 8

HALL ENVIRON ANALYSIS LABORAT	6	TE	L: 505-345-3	ntal Analysis 4901 / Albuquerque 8975 FAX: 50 w.hallenviror	Hawkins NE . NM 87109 5-345-4107	Sar	nple Log-In Che	ck List
Client Name: EN	SOLUM	Work	Order Num	ber: 22124	99		RcptNo: 1	
Completed By: Tra	acy Casarrubias acy Casarrubias 3 C C 9 R C	12/8/20	22 7:20:00 22 11:20:3€					
Chain of Custod 1. Is Chain of Custod 2. How was the same	ly complete?			Yes <u>Courie</u>		No 🗌	Not Present	
Log In 3. Was an attempt m	ade to cool the sample	es?		Yes		No 🗌	NA 🗌	
4. Were all samples r	received at a temperat	ure of >0° C	to 6.0°C	Yes		No 🗌	NA 🗍	
5. Sample(s) in prope	er container(s)?			Yes		No 🗌		
 6. Sufficient sample v 7. Are samples (excertion) 			ed?	Yes 🔽 Yes 🔽	-	10 🗆		
8. Was preservative a	added to bottles?			Yes 🗌	1 [No 🔽	NA 🗌	
9. Received at least 1 10. Were any sample			'OA?	Yes ☑ Yes □	-	10 □ No ☑	NA # of preserved	
11.Does paperwork m (Note discrepancie	atch bottle labels? s on chain of custody)			Yes 🔽	1 [No 🗌	bottles checked for pH: (<2 or >12	unless noted)
12 Are matrices correc		of Custody?		Yes 🔽	M [lo 🗌	Adjusted?	
13. Is it clear what ana14. Were all holding tin (If no, notify custom)				Yes ₩ Yes ₩		10 🗌 10 🗌	Checked by: KPO	12-9-27
Special Handling	(if applicable)							
15. Was client notified		ith this order?)	Yes []]	No 🗌	NA 🗹	
Person Notif By Whom: Regarding: Client Instruc			Date: Via:	: 	Phone	🗌 Fax	In Person	
16. Additional remark	s:							
17. <u>Cooler Information</u>		Seal Intact	Seal No	Seal Date	Cian	ad By	1	
1 1.3		Yes	Sear NO		Signe	ed By		
Er			2	16.2				

•

Released to Imaging: 9/15/2023 9:46:06 AM

2
8
· • •
-
4
- N.
N
-
~
22
2
8
2
3
~
\geq
9
G
-
0
-
ĝ
-
õ
-5
0
0
ē
\approx

59	
7 of 1.	
15	
Page	

HALL ENVIRONMENTAL	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis Request	-	PO4, S	лс 827(, ₂ ОИ ,4)	-VO 103, 103,	y 83 Me (AO	EDB (M PAHs by Cl, F, B 8260 (V 8250 (S Total Cc											Sill to Ensolur	b-contracted data will be clearly notated on the analytical report.
			Tel. 50		_	ЯM \ 0)	9 / DB	ชอ)	ası	87EX / 1PH:80° 8081 Pe	X	X	Ķ	X	X	X	X			Remarks:		is possibility. Any su
Turn-Around Time:		Trunk 6C Kutzuash	Project #:	0581226011	Project Manager:	K. Summer	Sampler: L. Danie U On Ice: N Yes Do	olers: 1	Cooler Temp(Including CF): 1.4-0.1-1.3 (°C)	Container Preservative HEAL No. Type and # Type	3x40millan Hall 001	1 002	003	001	005	006	4 002			Recented by: Via: Date Time	Received by: Via: COLA Date Time	contracted to other accredited laboratories. This serves as notice of this
Chain-of-Custody Record		Mailing Address: 606 S. Rogande, Suite A	Astec, NM 87410	Phone #:	email or Fax#: KSummingonsohm.com	QA/QC Package:	□ Az Compliance □ Other			Date Time Matrix Sample Name	12/2/22 11:05 W NW-7	2/1/22 11:30 W WW-5	6-MW MM-31:122	2/7/22/22:55 W MW-4	12/12/13:15 W MW-2	12/7/23.35 W MW-17	1-MM M 2011/2/21			Date: Time: Relinquished by:	Date: Time: Reinfquished by: Why hrd 1815 WWW WW	If necessary, samples submitted to Hall Environmental mayde 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 www.hallenvironmental.com	Fax 505-345-4107 Analysis Request	SMIS07SIMS ls)₃, NO ₂ , PO₄, SO₄ (Present/Absent) (fnesdA\fnesent)	8081 Pesticid EDB (Method RCRA 8 Meta Cl, F, Br, NC 8260 (VOA) 8250 (VOA)									Date Time Remarks: 7/1/2 83 811 Date Time 811 Date Time 811 Time 811 100 Date Time 100 <
Rush LA Kutzwash	226011	(BO21)	BTEX / MTB		X	×	× >	X	X		The second se	
Turn-Around Time:			# of Coolers: Cooler Temp _(including CF) ; Container Type and # Type	4								Received by:
Chain-of-Custody Record .: Eachur CLC	87410	<pre></pre>	rix Sample Name	1 NW-7600	1 NIM-5	MM-	La MAN-7		~ MM-1			Time: Relinquished by: Via: Isolar Received by: Via: Image: Second structure Received structure Received structure
Chain-of-C	Asler, NU Phone #:		EDD (Type) Control Time Matrix	12/1/2 11:05 Ca	11:30 W	w 22:11 until a	N SS. 51 rulti	35	1 20:11 20/2/cl			Date: Time: Relin Date: Time: Relin Date: Time: Relin

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Action 264931

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

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