



ENTERPRISE PRODUCTS PARTNERS L.P.  
 ENTERPRISE PRODUCTS HOLDINGS LLC  
 (General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

March 20, 2025

Submitted online via OCD E-Permitting:  
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Mr. Michael Buchanan  
 New Mexico Energy, Minerals and Natural Resources Department  
 1220 South St. Francis Drive  
 Santa Fe, NM 87505

**RE: 2024 Supplemental Environmental Site Investigation and Groundwater Monitoring Report** (Ensolum, March 17, 2025)  
 Enterprise Field Services, LLC  
**Lateral K-12 Y#3 Condensate Tank Release (3/19/2012)**  
 Rio Arriba Co., NM [S23, T27N R7W] 36.554120° N, 107.549350° W  
**OCD RP: 3R-459; Stage 1 AP-132**

Dear Mr. Buchanan:

Enterprise Products Operating LLC (Enterprise), on behalf of Enterprise Field Services, LLC, is pleased to submit to the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) an electronic copy of the above-referenced report, prepared by Ensolum, LLC (Ensolum) and dated March 17, 2025. The report is associated with the Enterprise Lateral K-12 Y#3 release of natural gas condensate liquids that occurred on March 19, 2012 from a condensate storage tank, located in Rio Arriba County, New Mexico.

The report summarizes groundwater monitoring and sampling (GWM&S) activities that occurred between January 1, 2024 and December 31, 2024 ("reporting period". Activities completed during the reporting period were performed to further evaluate the magnitude and stability of the phase-separated hydrocarbon (PSH) and dissolved-phase hydrocarbon (DPH) plumes in groundwater. Fluid recovery was also initiated in October 2023 in an effort to reduce PSH and constituents of concern (COCs) concentrations at the site but proved to be ineffective.

Based on the findings and conclusions included in the report, Enterprise plans to: 1) continue semiannual GWM&S at the Site; 2) further delineate the DPH groundwater plume to the south; 3) plug and abandon (P&A) MW-1 as it appears to be installed in a deeper groundwater zone and not representative; 4) evaluate remediation options; and 5) prepare a *Stage 2 Abatement Plan* (if required) after concurrence that the *Stage 1 Abatement Plan* is deemed administratively complete.

Should you have any questions, comments or concerns, or require additional information, please contact Valerie Phipps via email ([vphipps@eprod.com](mailto:vphipps@eprod.com)) or phone (713-381-4698).

Sincerely,

Valerie J. Phipps  
 Engineer, Staff Environmental

W. Tucker Jacobson  
 Senior Manager, Environmental

cc: BLM, Farmington, NM – Ms. Sherrie Landon <6251 College Blvd., Suite A, Farmington, NM 87402>

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 Ensolum – Joseph Doyle <[jdoyle@ensolum.com](mailto:jdoyle@ensolum.com)>



# ENSOLUM

## 2024 SUPPLEMENTAL ENVIRONMENTAL SITE INVESTIGATION AND GROUNDWATER MONITORING REPORT

Property:

**Lateral K-12 Y#3 Condensate Tank Release (3/19/12)**  
**SW ¼, S23 T27N R7W**  
**Rio Arriba County, New Mexico**  
**New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132**  
**Incident ID No. NJK1211037846**

March 17, 2025

Ensolum Project No. 05B1226001

Prepared for:

**Enterprise Field Services, LLC**  
**P.O. Box 4324**  
**Houston, Texas 77210-4324**  
**Attn: Mr. Valerie Phipps**

Prepared by:

Wes Weichert  
Project Geologist

  
Joseph E. Doyle  
Senior Project Manager

## Executive Summary

This report documents the response actions conducted in 2024 at the Lateral K-12 Y#3 Condensate Tank Release (3/19/12) site, referred to hereinafter as the "Site." The Site is located within the Enterprise Field Services, LLC (Enterprise) pipeline right-of-way in the southwest (SW) 1/4 of Section 23, Township 27 North, Range 7 West, in Rio Arriba County, New Mexico (NM) on property managed by the United States Bureau of Land Management (BLM).

On March 19, 2012, the overfilling of a condensate tank resulted in an estimated release of less than one barrel (bbl) of natural gas condensate at the Site. Soil excavation activities were initiated in April 2012 to remove petroleum hydrocarbon impacted soils. The BLM suspended excavation activities due to safety concerns associated with the expanded area of disturbance. Since April 2012, several site investigation activities have been conducted. Additionally, periodic groundwater monitoring has been performed. Based on analytical results from prior investigations and groundwater monitoring events, impacts to soil and groundwater remain at the Site.

The objective of the 2024 Supplemental Environmental Site Investigation (SESI) and Groundwater Monitoring Events (GME) were to further delineate and evaluate the extent of chemicals of concern (COC) impacts to soil and/or groundwater with respect to the New Mexico Energy, Minerals, and Natural Resources Department (ENMRD) Oil Conversation Division (OCD) Closure Criteria and the New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQS). Additionally, fluid recovery activities, which were initiated at the Site in October 2023 and continued through May 2024, are discussed in this report. The objective of the fluid recovery events was to remove impacted groundwater and non-aqueous phase liquids (NAPL) from affected monitoring wells.

**Findings from the 2024 fluid recovery, SESI, and groundwater monitoring activities include the following:**

### Fluid Recovery Activities

During six fluid recovery events from January to May 2024, Ensolum used a 12-volt submersible Typhoon pump to recover fluids from the impacted wells until they were pumped dry. Prior to the start of each fluid recovery event, fluid levels were measured with an interface probe. Approximately 0.01 ft of NAPL was observed in SVE-3 in January, with only trace NAPL (<0.01 ft) observed during the following five events; while approximately 0.01 ft of NAPL was observed in MW-11 in February and May, with only trace NAPL (<0.01 ft) observed during the other events. Based on data collected in the field, approximately 44 total gallons of fluid, including approximately 0.008 gallons of NAPL, were recovered during the 2024 fluid recovery events.

### SESI Activities

Ensolum installed three additional monitoring wells at the Site on October 22 and 23, 2024. MW-1R was installed as a replacement for MW-1, which is believed to be screened in a deeper water-bearing zone. MW-12R replaced MW-12, which was destroyed during flash flooding and heavy rains in 2022; and W-25 was installed to delineate impacts southeast of the release point. Based on laboratory analytical results, COC concentrations in soil samples from MW-1R and MW-12R were less than the laboratory practical quantitation limits (PQLs)/reporting limits (RLs) which were less than the NMOCD Closure Criteria, confirming no impacts in these areas. In contrast, total petroleum hydrocarbon (TPH) concentrations of 323 mg/kg and 144 mg/kg (detected at depths of approximately 31 and 36 feet below ground surface (ft bgs), respectively) at MW-25 exceeded the NMOCD Closure Criteria of 100 mg/kg. COC concentrations in soil samples from approximately 41 and 46 ft bgs at MW-25 were less than the NMOCD Closure Criteria.

### Groundwater Monitoring Activities

The groundwater flow direction at the Site is generally semi-radial, trending east, north, and northwest. The calculated gradient for both 2024 monitoring events was approximately 0.035 feet per foot (ft/ft), based on measurements between monitoring wells MW-2 and MW-23.

Based on laboratory analytical results, benzene concentrations exceeded the WQCC GQS in SVE-2, SVE-3, MW-2, MW-11, and MW-18 during the May and December 2024 sampling events, and the benzene concentration in newly installed MW-25 exceeded the WQCC GQS in December 2024. Furthermore, benzene was detected at MW-22 in December 2024 at a concentration less than the WQCC GQS, marking the first detection of benzene at this monitoring well location since May 2023, prior to the start of fluid recovery events at the Site in October 2023.

Additionally, toluene exceeded the New Mexico WQCC GQS in newly installed MW-25. This is the first toluene concentration exceedance at the Site since 2016. Toluene was also detected in MW-22 at a concentration less than the New Mexico WQCC GQS, marking the first toluene detection in this well since its installation. Furthermore, total xylenes concentrations exceeded the WQCC GQS in groundwater samples collected from monitoring wells SVE-2, SVE-3, MW-11, and MW-18 during the May 2024 sampling event and monitoring wells SVE-2, SVE-3, MW-2, MW-11, and MW-25 during the December 2024 sampling event.

Groundwater samples collected from the remaining monitoring wells during both of the 2024 sampling events did not exhibit COC concentrations greater than the applicable WQCC GQSs.

Based on the Mann-Kendall constituent trend analysis, dissolved-phase benzene and total xylenes concentrations in groundwater at the Site appear to be generally stable or decreasing with the exception of monitoring well SVE-3 which demonstrated increasing concentration trends.

### **Based on the findings detailed in this report, Ensolum offers the following recommendations:**

- Report the groundwater monitoring results to the New Mexico EMNRD OCD.
- Continue semiannual groundwater monitoring at the Site to monitor and evaluate the concentration of COCs in groundwater over time.
- Based on TPH concentrations in soil and BTEX concentrations in groundwater at MW-25, install an additional delineation well south of MW-25 to delineate the southern extent of impacts.
- Request concurrence from the New Mexico EMNRD OCD that the groundwater plume is currently sufficiently delineated to the north, east, and west.
- Seek approval from the New Mexico EMNRD OCD to plug and abandon MW-1. The installation of MW-1R confirmed that MW-1 was screened in a deeper water-bearing interval and is not representative of the impacted groundwater unit. MW-1R will serve as a replacement for MW-1. Additionally, MW-1 has remained non-detect for all constituents since its installation in 2014.
- Evaluate remediation options which will be included in a Stage 2 Abatement Plan.
- Once the Stage 1 Abatement Plan is fully implemented, submit a Stage 2 Abatement Plan.

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## 1.0 INTRODUCTION

This report documents the monitoring well installation, soil sampling, semiannual groundwater monitoring, and fluid recovery activities conducted at the Site in 2024.

### 1.1 Site Description & Background

<b>Operator:</b>	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
<b>Site Name:</b>	Lateral K-12 Y#3 Condensate Tank Release (3/19/12)
<b>NM EMNRD OCD Incident ID No.</b>	NJK1211037846
<b>Location:</b>	36.554120° North, -107.549350° West Southwest (SW) ¼ of Section 23, Township 27 North, Range 7 West Rio Arriba County, New Mexico
<b>Property:</b>	United States Bureau of Land Management (BLM)
<b>Regulatory:</b>	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On March 19, 2012, the overfilling of a condensate tank resulted in an estimated release of less than one bbl of natural gas condensate at the Site. Animas Environmental Services, LLC (AES) conducted an initial release assessment and subsequently recommended the removal of affected soils (*Release Mitigation and Investigation Report*, AES, July 18, 2012).

During excavation in April 2012, a suspected historical earthen pit was discovered, and the excavation was expanded to remove the associated petroleum hydrocarbon affected soils. The BLM suspended excavation activities due to safety concerns associated with the expanded area of disturbance. Confirmation soil samples (SC-1 through SC-9) were collected by AES prior to backfilling the excavation with clean imported fill. Groundwater was not encountered in the excavation which extended to approximately 35 ft bgs. Subsequent to backfilling, AES conducted a site investigation that included the advancement of seven soil borings (SB-1 through SB-7). Three of the soil borings (SB-1/SVE-1, SB-3/SVE-2, SB-4/SVE-3) were completed as soil-vapor-extraction (SVE) wells in anticipation of future potential remedial activities. However, an SVE system was not implemented and the SVE wells at the Site are now designated as monitoring wells.

On July 19, 2013, AES conducted a groundwater monitoring event of the three SVE wells and observed 1.07-feet of NAPL in monitoring well SVE-1. The NAPL was removed from the well by hand bailing and did not recharge. AES also advanced two soil borings (SB-8 and SB-9) adjacent to the former excavation. Soil analytical data associated with soil borings SB-8 and SB-9 demonstrated minimal natural attenuation of COC concentrations since backfilling of the excavation. On July 22, 2013, AES collected groundwater samples from monitoring wells SVE-2 and SVE-3 to measure total dissolved solids (TDS) and chloride concentrations. Laboratory analytical results indicated TDS concentrations of 1,160 milligrams per liter (mg/L) and 740 mg/L in SVE-2 and SVE-3, respectively. Chloride concentrations were reported as 110 mg/L and 23 mg/L in SVE-2 and SVE-3, respectively (*Continued Site Investigation Report*, AES, October 4, 2013).

A groundwater monitoring and sampling event was conducted by AES on October 8, 2013. NAPL was not observed in monitoring well SVE-1 during this event. However, the well screen of SVE-1 had been damaged presumably as a result of settling of the excavation backfill, and the damage prevented the collection of a water sample. Water samples were collected from monitoring wells SVE-2 and SVE-3 and were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), and TPH gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube oil range organics (MRO) (*Groundwater Monitoring Report and Continued Site Investigation Workplan*, AES, November 15, 2013).

In January 2014, AES advanced six soil borings, five of which were completed as new groundwater monitoring wells (MW-1 through MW-5), and one replacement monitoring well (SVE-1R). Monitoring well SVE-1 was apparently plugged and abandoned at that time.

The project was transitioned to Apex TITAN, Inc., (Apex) between 2014 and 2016. In February 2015, Enterprise and Apex submitted a Plan of Development (POD) permit application to the BLM to continue to access and investigate the Site. The BLM approved the POD and granted rights to construct, operate, maintain, and terminate the requested right-of-way (ROW) area in February 2016. Subsequently, Apex conducted supplemental site investigation activities in August and September 2016 by advancing seven soil borings to further evaluate the extent of hydrocarbon affected soil and potentially impacted groundwater. Laboratory analytical results identified TPH GRO/DRO concentrations in soil that exceeded applicable New Mexico EMNRD OCD closure criteria in soil samples from borings MW-11 and MW-13. Three soil borings were completed as groundwater monitoring wells MW-11 through MW-13. The groundwater analytical results for these wells indicated benzene, toluene, and total xylenes in excess of the WQCC GQSSs (*Supplemental Environmental Site Investigation and Annual Subsurface Water Monitoring Report*, Apex, February 24, 2017).

Semiannual groundwater sampling was conducted in 2017 and 2018 by Apex. During these sampling events five monitoring wells (SVE-1R, SVE-2, MW-2, MW-11, and MW-13) exhibited COC concentrations greater than the applicable WQCC GQSSs (*Annual Groundwater Monitoring Report (July and December 2017 Events)*, Apex, May 24, 2018; *Lateral K-12 Y#3 Condensate Tank Release (3/19/12) 2018 Annual Groundwater Monitoring Report*, Ensolum, LLC (Ensolum), September 26, 2019).

In February 2019, Enterprise reassigned management of the project to Ensolum. In March 2019, Enterprise submitted a *Stage 1 Abatement Plan* for this Site to the New Mexico EMNRD OCD (*Stage 1 Abatement Plan*, Ensolum, March 21, 2019) and the New Mexico EMNRD OCD approved the Stage 1 Abatement Plan on October 25, 2022.

Supplemental environmental site investigation (SESI) activities were initiated at the Site in July 2022. Three soil borings were advanced and were subsequently converted to monitoring wells by Ensolum. Details of the SESI and annual groundwater monitoring activities conducted in 2022 were presented in the *2022 Supplemental Environmental Site Investigation and Groundwater monitoring Report* (Ensolum, May 3, 2023).

In May 2023 and December 2023, groundwater monitoring events were conducted by Ensolum and included the collection of one groundwater sample from each monitoring wells at the Site. Additionally, fluid recovery activities were conducted at seven monitoring well locations during fluid recovery events from October 2023 to December 2023. Fluid recovery events were initiated in effort to reduce NAPL and COC concentrations in groundwater to the extent practicable. Details of the groundwater monitoring events, and fluid recovery activities conducted in 2023 were presented in the *2023 Annual Groundwater Monitoring Report* (Ensolum, May 6, 2024).

Based on the observed lithology at this Site, the first apparent water-bearing unit is limited in thickness and extent and may be more accurately described as subsurface water (as defined in Paragraph (6) of Subsection S of Section 20.6.2.7 of the New Mexico Administrative Code (NMAC). The water observed in upgradient monitoring wells SVE-1R, SVE-2, SVE-3, and MW-5 may be limited to a small volume of percolating water from precipitation events that periodically collect on or near the surface of the weathered subgrade bedrock. Depending on the significance of the precipitation events, water subsequently drains into the monitoring wells and the associated well bore annuli. This conceptual site model is supported by the lack of groundwater encountered during prior excavation activities (reaching approximately 35 ft bgs) when the bottom of the excavation was below the apparent depth to groundwater at the Site (approximately 27 ft bgs near the source area). Furthermore, bail-down tests performed on monitoring wells SVE-2 and SVE-3 in 2013 demonstrated insignificant water recharge over several days.

The Site location is depicted on **Figure 1**, which was reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map. A Site Map, which indicates the approximate locations of the monitoring wells and previous boring locations in relation to pertinent structures and general Site boundaries, is included as **Figure 2**. Figures are presented in **Appendix A**.

## 1.2 Regulatory Applicability

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 NMAC and 19.15.30 NMAC, which establish 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 (20.6.2 NMAC *Ground and Surface Water Protection*) to evaluate groundwater conditions.<sup>1</sup>

## 1.3 Project Objective

The objective of the 2024 SESI and GME was to further delineate and evaluate the extent of COC impacts to soil and groundwater with respect to the New Mexico ENMRD OCD Closure Criteria and the New Mexico WQCC GQS. The objective of the fluid recovery events performed in 2024 was to continue to remove impacted groundwater and NAPL from affected monitoring wells to the extent practicable.

## 2.0 FLUID RECOVERY

Fluid recovery activities were initiated in October 2023 and continued through March 2024 to reduce NAPL and COC concentrations in Site groundwater. The results of the 2023 activities were documented in the *2023 Annual Groundwater Monitoring Report* (Ensolum, May 6, 2024). In 2024, fluid recovery was conducted at seven monitoring wells (SVE-1R, SVE-2, SVE-3, MW-2, MW-11, MW-18, and MW-22) during six events from January to May. Ensolum used a 12-volt submersible Typhoon pump to recover fluids from the impacted wells until they were pumped dry.

Prior to the start of each fluid recovery event, fluid levels were measured with an interface probe. Approximately 0.01 ft of NAPL was observed in SVE-3 in January, with only trace NAPL (<0.01 ft) observed during the following five events; while approximately 0.02 ft of NAPL was observed in MW-11 in January and approximately 0.01 ft of NAPL in February and May, with only trace NAPL (<0.01 ft) observed during the other events. Based on data collected in the field, approximately 44 total gallons of fluid, including approximately 0.008 gallons of NAPL, were

<sup>1</sup> 20.6.2 NMAC was amended (12/21/18). This document reflects the GQSs indicated in the approved Stage 1 Abatement Plan.

recovered during the 2024 recovery events. Fluid gauging data collected during the recovery events is included in **Table 1 of Appendix B** and cumulative volumes recovered are included in the following table:

Event No.	Date	SVE-1R	SVE-2	SVE-3	MW-2	MW-11	MW-18	MW-22
1	10/16/23	0.40	0.77	0.63 <sup>1</sup>	0.67	1.32 <sup>1</sup>	0.85	0.84
2	10/20/23	0.29	0.69	0.32	0.67	1.32	0.59	0.68
3	11/16/23	0.40	0.76	0.55	0.67	1.31	0.75	0.86
4	12/05/23	0.39	0.75	0.50	0.65	1.30	0.72	0.84
5	01/10/24	0.40	0.77	0.59 <sup>1</sup>	0.65	1.30 <sup>2</sup>	0.79	0.87
6	02/01/24	0.36	0.71	0.49	0.63	1.29 <sup>1</sup>	0.75	0.86
7	03/13/24	1.50	0.50	2.50	0.50	3.00	0.75	2.00
8	04/02/24	0.50	0.25	2.25	0.50	3.00	0.75	0.75
9	04/16/24	0.90	0.80	1.75	0.50	3.50	1.00	1.25
10	05/02/24	0.30	0.64	0.33	0.59	1.26 <sup>1</sup>	0.71	0.85
2023 subtotals		1.49	2.97	2.00	2.65	5.24	2.91	3.21
Estimated Total Recovered Fluids in 2023					20.47 gallons			
Estimated NAPL Recovered in 2023					0.003 gallons			
2024 subtotals		3.96	3.68	7.91	3.37	13.34	4.74	6.58
Estimated Total Recovered Fluids in 2024					43.58 gallons			
Estimated NAPL Recovery in 2024					0.008 gallons			
2023 and 2024 subtotals		5.45	6.65	9.91	6.02	18.59	7.65	9.80
<b>Estimated 2023 and 2024 Total Recovered Fluids</b>					<b>64.05 gallons</b>			

## Notes:

<sup>1</sup> – including approximately 0.0016 gallons of NAPL<sup>2</sup> – including approximately 0.0033 gallons of NAPL

All values reported in gallons

Recovered fluids were placed in a properly labeled 55-gallon DOT-approved drum. Immediately following the fluid recovery events, the drum was transferred to the Enterprise Largo Compressor Station and placed in a secondary containment area. The fluids were then periodically removed from the drum utilizing a vacuum-truck and transported to the Enterprise Blanco Storage facility where the recovered fluids were managed by an oil/water separator at the facility.

### 3.0 DELINEATION DRILLING AND WELL INSTALLATION

Ensolum personnel installed three additional monitoring wells at the Site on October 22 and 23, 2024. MW-1R was installed as a replacement for MW-1, which is believed to be screened in a deeper water-bearing zone. MW-12R replaced MW-12, which was destroyed during flash flooding and heavy rains in 2022. MW-25 was installed to delineate impacts southeast of the release point.

Each borehole was sampled using a split-spoon sampler and logged by an Ensolum geologist. Borehole logs are included in **Appendix C**. Field screening for volatile organic compounds (VOCs) was performed using a calibrated photoionization detector (PID). The soil profile consisted of sandy silt and silty sand from the ground surface to a depth of approximately 18–20 feet bgs. Below this, a highly plastic fat clay layer, underlain by clayey sand, was observed to the bedrock contact. A sharp transition to a gray silty sandstone, presumed to be the bedrock surface, was identified between 30 and 34 feet. The sandstone was dry. The new monitoring well locations and TPH concentrations in soil are shown on **Figure 3 of Appendix A**.

All three boreholes were completed as permanent monitoring wells. Screen intervals were selected based on field screening results and the first indications of groundwater. Each well was constructed using 2-inch Schedule 40 PVC with a 15-foot 0.010 slot screen and a 10/20 silica sand filter pack. The wells were completed as stick-ups with protective monuments. The wells were professionally surveyed for precise location and elevation to ensure accurate integration into site hydrogeological assessments. This data will support ongoing monitoring and remediation efforts.

### 3.1 Soil Sampling and Laboratory Analytical Methods

Samples were collected at the first indication of impacts, and then continuously sampled across the smear zone. If no obvious impacted smear was encountered, three samples were collected: two from the highest PID reading, and one from the terminus of the borehole. Soil samples were collected directly into laboratory supplied containers, placed on ice, and submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico via strict chain-of-custody procedures for analysis of TPH following United States Environmental Protection Agency (EPA) Method 8015M/D, BTEX following EPA Method 8021B, and chloride following EPA Method 300.0. Analytical results from the boreholes are summarized in **Table 2** of **Appendix B**.

### 3.2 Soil Sample Data Evaluation

Based on laboratory analytical results, COC concentrations in soil samples from MW-1R and MW-12R were less than the laboratory PQLs/RLs which were less than the NMOCD Closure Criteria, confirming no impacts in these areas. In contrast, TPH concentrations of 323 mg/kg and 144 mg/kg (detected at depths of approximately 31 and 36 feet bgs, respectively) at MW-25 exceeded the NMOCD Closure Criteria of 100 mg/kg.

Although vertical delineation at MW-25 has been achieved, as COC concentrations in soil samples from 41 and 46 ft bgs were less than the NMOCD Closure Criteria, horizontal delineation of the southern extent of impacts remains incomplete. Additional assessment, including the installation of a delineation monitoring well south of MW-25, is necessary to fully define the southern extent of TPH impacts. The location of the proposed monitoring well (MW-26) along with and TPH concentrations in soil are shown on **Figure 3** of **Appendix A**.

## 4.0 GROUNDWATER MONITORING

Groundwater monitoring events were conducted in May and December 2024. Ensolum's groundwater sampling program involved collecting one groundwater sample from each monitoring well at the site. During both sampling events in 2024, monitoring wells MW-3, MW-4, MW-5, and MW-21 were dry and could not be sampled. Monitoring well MW-12, which was destroyed during heavy rain events in 2022, was replaced in October 2024 by MW-12R and was sampled for the first time during the December 2024 event. The NMOCD was notified of both sampling events; however, no representative was present during either. Regulatory correspondence related to the sampling events is provided in **Appendix E**.

Ensolum's groundwater sampling program consisted of the following:

- Ensolum gauged the depth to fluids in each monitoring well using an interface probe capable of detecting NAPL. During the May 2024 fluid recovery event (two weeks prior to any sampling), monitoring well MW-11 exhibited approximately 0.01 ft of NAPL. However, NAPL was not observed in any of the monitoring wells during the May 2024 or the December 2024 sampling events.

- The monitoring wells were sampled utilizing low-flow sampling techniques. Following the completion of the micro-purge process, one groundwater sample was collected from each monitoring well containing fluid.

Low flow refers to the velocity at which groundwater enters the pump intake and interacts with the formation pore water near the well screen, not necessarily the surface discharge rate, which can be influenced by flow regulators or restrictions. Drawdown provides the best indication of stress on the system at a given flow rate. The objective was to minimize stress by maintaining flow rates between 0.1 and 0.5 L/min during sampling, using a peristaltic pump and disposable sampling tubing. Low-flow, minimal-drawdown techniques isolate groundwater from the screened interval, preventing mixing with stagnant casing water. The pump intake was positioned within the screened interval to ensure groundwater was drawn directly from the formation with minimal disturbance to the sampling zone.

The groundwater samples were collected from each monitoring well once produced groundwater was consistent in color, clarity, pH, temperature, and conductivity. Measurements were typically observed every three to five minutes while purging. Purging was considered complete once key parameters (especially pH and conductivity) stabilized for at least three consecutive readings.

Groundwater samples were collected in laboratory-supplied containers pre-preserved with hydrochloric acid (HCl), labeled, and sealed using the laboratory supplied labels and custody seals, and stored on ice in a cooler. The groundwater samples were relinquished to the courier for Eurofins of Albuquerque, New Mexico under proper chain-of-custody procedures.

#### 4.1 Groundwater Flow Direction

The groundwater flow direction at the Site is generally semi-radial toward the east, north, and northwest. The calculated gradient was 0.035 feet per foot (ft/ft) during both the May and December 2024 monitoring events. Groundwater elevation data are presented in **Table 3** of **Appendix B**. Groundwater gradient maps for the May and December 2024 monitoring events are included as **Figure 4A** and **Figure 4B**, respectively, of **Appendix A**.

#### 4.2 Groundwater Laboratory Analytical Methods

The groundwater samples collected from the monitoring wells were analyzed for BTEX utilizing U.S. Environmental Protection Agency (EPA) SW-846 Method 8021B. Laboratory results are summarized in **Table 4** of **Appendix B**. The executed chain-of-custody forms and laboratory data reports are provided in **Appendix F**.

#### 4.3 Groundwater Data Evaluation

Ensolum compared the BTEX laboratory analytical results or laboratory PQLs/RLs associated with the groundwater samples to the New Mexico WQCC GQSs<sup>1</sup>.

##### May 2024

- Based on laboratory analytical results, benzene concentrations exceeded the WQCC GQS of 10 µg/L in monitoring wells SVE-2, SVE-3, MW-2, MW-11, and MW-18 with concentrations ranging from 26 micrograms per liter (µg/L) (SVE-3) to 950 µg/L (MW-18). Benzene concentrations in the remaining monitoring wells were less than laboratory PQLs/RLs, which were less than the WQCC GQS of 10 µg/L.

<sup>1</sup> 20.6.2 NMAC was amended (12/21/18). This document reflects the GQSs indicated in the approved Stage 1 Abatement Plan.

- Based on laboratory analytical results, toluene concentrations of 90 µg/L and 94 µg/L were detected in monitoring wells MW-18 and SVE-3, respectively. Detected toluene concentrations were less than the WQCC GQS of 750 µg/L. Toluene concentrations in the remaining monitoring wells were less than the laboratory PQLs/RLs, which were less than the WQCC GQS of 750 µg/L.
- Based on laboratory analytical results, ethylbenzene concentrations were detected in monitoring wells SVE-2, SVE-3, MW-2, MW-11, and MW-18, with concentrations ranging from 57 µg/L (SVE-3) to 180 µg/L (MW-11), which were less than the WQCC GQS of 750 µg/L. Ethylbenzene concentrations in the remaining monitoring wells were less than the laboratory PQLs/RLs, which were less than the WQCC GQS of 750 µg/L.
- Based on laboratory analytical results, total xylenes concentrations exceeded the WQCC GQS of 620 µg/L in monitoring wells SVE-2, SVE-3, MW-11, and MW-18 with concentrations ranging from 800 µg/L (MW-18) to 2,600 µg/L (MW-11). A total xylenes concentration of 410 µg/L was detected in monitoring well MW-2, but was less than the WQCC GQS of 620 µg/L. Total xylenes concentrations in the remaining monitoring wells were less than the laboratory PQLs/RLs, which were less than the WQCC GQS of 620 µg/L.
- No data qualifier flags were associated with the May 2024 analytical results.

#### December 2024

- Based on laboratory analytical results, benzene concentrations exceeded the WQCC GQS of 10 µg/L in monitoring wells SVE-2, SVE-3, MW-2, MW-11, MW-18, and MW-25 with concentrations ranging from 47 µg/L (SVE-3) to 1,000 µg/L (MW-2 and MW 25). Except for monitoring wells MW-13 and MW-22, benzene concentrations in the remaining monitoring wells were less than laboratory PQLs/RLs, which were less than the WQCC GQS of 10 µg/L. Detected benzene concentrations in monitoring wells MW-13 (1.2 µg/L) and MW-22 (9.4 µg/L) were less than the WQCC GQS of 10 µg/L.
- Based on laboratory results, toluene exceeded the WQCC GQS of 750 µg/L in MW-25 (4,100 µg/L). Except for SVE-3 (130 µg/L), MW-11 (20 µg/L), and MW-18 (90 µg/L), toluene in the other wells was below laboratory PQLs/RLs and the WQCC GQS.
- Based on laboratory analytical results, ethylbenzene concentrations were detected in monitoring wells SVE-2, SVE-3, MW-2, MW-11, MW-18, MW-22, and MW-25 with concentrations ranging from 57 µg/L (SVE-3) to 370 µg/L (MW-25), which were less than the WQCC GQS of 750 µg/L. Ethylbenzene concentrations in the remaining monitoring wells were less than the laboratory PQLs/RLs, which were less than the WQCC GQS of 750 µg/L.
- Based on laboratory analytical results, total xylenes concentrations exceeded the WQCC GQS of 620 µg/L in monitoring wells SVE-2, SVE-3, MW-11, and MW-18 with concentrations ranging from 800 µg/L (MW-18) to 2,600 µg/L (MW-11). A total xylenes concentration of 410 µg/L was detected in monitoring well MW-2, but was less than the WQCC GQS of 620 µg/L. Total xylenes concentrations in the remaining monitoring wells were less than the laboratory PQLs/RLs, which were less than the WQCC GQS of 620 µg/L.
- No data qualifier flags were associated with the December 2024 analytical results.

Laboratory analytical results are summarized in **Table 4**. Groundwater analytical data maps are provided as **Figure 5A** and **Figure 5B**. The executed chain-of-custody forms and laboratory data reports are provided in **Appendix F**.

#### 4.4 Mann-Kendall Constituent Trend Analysis

The Mann-Kendall constituent trend analysis is a system for analyzing time-series groundwater sampling data to quantitatively determine if the measured concentrations of a chemical are increasing, decreasing, or stable over time. Formal evaluation of plume stability can be accomplished using a variety of statistical methods, of which the Mann-Kendall protocol is one of the most commonly used and widely acceptable. For purpose of this analysis, Ensolum included monitoring wells in which COCs have historically been detected at concentrations exceeding their applicable WQCC GQs (SVE-1R, SVE-2, SVE-3, MW-2, MW-13, MW-18, and MW-22). In accordance with the protocol, monitoring wells in which COCs have historically not been detected above PQLs are deemed “stable”.

The GSI Mann-Kendall Toolkit utilizes the methodology for statistical analysis of concentration trends that was initially incorporated in the MAROS software (Aziz et al., 2003; AFCEE, 2004) and is discussed in further detail in Aziz et al., 2003. The Mann-Kendall test for trend analysis relies on three statistical metrics (Aziz et al., 2003), as follows:

- The ‘S’ Statistic: Indicates whether concentration trend vs. time is generally decreasing (negative S value) or increasing (positive S value).
- The Confidence Factor (CF): The CF value modifies the S Statistic calculation to indicate the degree of confidence in the trend result, as in “Decreasing” vs. “Probably Decreasing” or “Increasing” vs. “Probably Increasing.” Additionally, if the confidence factor is quite low, due to either considerable variability in concentrations over time or little change in concentrations over time, the CF is used to apply a preliminary “No Trend” classification, pending consideration of the COV.
- The Coefficient of Variation (COV): The COV is used to distinguish between a “No Trend” result (significant scatter in concentration trend vs. time) and a “Stable” result (limited variability in concentration vs. time) for datasets with no significant increasing or decreasing trend (e.g. low CF).

In practical terms, the Mann-Kendall analysis may be applied to determine if concentrations are increasing or not increasing over time. In this regard, the outcome “No Trend,” “Stable,” “Probably Decreasing,” and “Decreasing all indicate a non-increasing condition while “Increasing” or “Probably Increasing” are the only outcomes that are indicative of increasing concentrations over time at the monitoring points.

Based on a review of the analysis, the following trends were noted:

Mann-Kendall Analysis Trends	Constituent of Concern	
	Benzene	Total Xylenes
<b>Decreasing</b>	SVE-1R, SVE-2, MW-2, and MW-13	SVE-1R, SVE-2, MW-2, and MW-13
<b>Stable</b>	No monitoring wells	MW-18
<b>No Trend</b>	MW-18	No monitoring wells
<b>Increasing</b>	SVE-3	SVE-3

**Notes:**

- Monitoring well MW-11 was not included in the Mann-Kendall analysis based on the presence of NAPL between December 2020 and December 2023. Once four consecutive rounds of sampling have been completed this well will be included in the trend analysis.

- Trend analyses for toluene and ethylbenzene were not conducted, as only one concentration has exceeded the New Mexico WQCC GQS since 2016. Based on Mann-Kendall guidance, constituent concentrations are assumed to be stable.

Based on the constituent trend analysis, dissolved-phase benzene and total xylenes concentrations in groundwater at the Site appear to be generally stable or decreasing with the exception of monitoring well SVE-3. The output of the Mann-Kendall constituent trend analysis and constituent concentrations graphs are included in **Appendix D**.

## 5.0 FINDINGS AND RECOMMENDATIONS

Findings from the 2024 fluid recovery, SESI, and groundwater monitoring activities include the following:

### Fluid Recovery Activities

During six fluid recovery events from January to May 2024, Ensolum used a 12-volt submersible Typhoon pump to recover fluids from the impacted wells until they were pumped dry. Prior to the start of each fluid recovery event, fluid levels were measured with an interface probe. Approximately 0.01 ft of NAPL was observed in SVE-3 in January, with only trace NAPL (<0.01 ft) observed during the following five events; while approximately 0.01 ft of NAPL was observed in MW-11 in February and May, with only trace NAPL (<0.01 ft) observed during the other events. Based on data collected in the field, approximately 44 total gallons of fluid, including approximately 0.008 gallons of NAPL, were recovered during the 2024 fluid recovery events.

### SESI Activities

Ensolum installed three additional monitoring wells at the Site on October 22 and 23, 2024. MW-1R was installed as a replacement for MW-1, which is believed to be screened in a deeper water-bearing zone. MW-12R replaced MW-12, which was destroyed during flash flooding and heavy rains in 2022; and MW-25 was installed to delineate impacts southeast of the release point. Based on laboratory analytical results, COC concentrations in soil samples from MW-1R and MW-12R were less than the laboratory PQLs/RLs which were less than the NMOCD Closure Criteria, confirming no impacts in these areas. In contrast, TPH concentrations of 323 mg/kg and 144 mg/kg (detected at depths of approximately 31 and 36 feet bgs, respectively) at MW-25 exceeded the NMOCD Closure Criteria of 100 mg/kg. COC concentrations in soil samples from approximately 41 and 46 ft bgs at MW-25 were less than the NMOCD Closure Criteria.

### Groundwater Monitoring Activities

The groundwater flow direction at the Site is generally semi-radial, trending east, north, and northwest. The calculated gradient for both 2024 monitoring events was approximately 0.035 ft/ft, based on measurements between monitoring wells MW-2 and MW-23.

Based on laboratory analytical results, benzene concentrations exceeded the WQCC GQS in SVE-2, SVE-3, MW-2, MW-11, and MW-18 during the May and December 2024 sampling events, and the benzene concentration in newly installed MW-25 exceeded the WQCC GQS in December 2024. Furthermore, benzene was detected at MW-22 in December 2024 at a concentration less than the WQCC GQS, marking the first detection of benzene at this monitoring well location since May 2023, prior to the start of fluid recovery events at the Site in October 2023.

Additionally, toluene exceeded the New Mexico WQCC GQS in newly installed MW-25. This is the first toluene concentration exceedance at the Site since 2016. Toluene was also detected in MW-22 at a concentration less than the New Mexico WQCC GQS, marking the first toluene detection in this well since its installation. Furthermore, total xylenes concentrations exceeded the WQCC GQS in groundwater samples collected from monitoring wells SVE-2, SVE-3, MW-11, and

MW-18 during the May 2024 sampling event and monitoring wells SVE-2, SVE-3, MW-2, MW-11, and MW-25 during the December 2024 sampling event.

Groundwater samples collected from the remaining monitoring wells during both of the 2024 sampling events did not exhibit COC concentrations greater than the applicable WQCC GQSs.

Based on the Mann-Kendall constituent trend analysis, dissolved-phase benzene and total xylenes concentrations in groundwater at the Site appear to be generally stable or decreasing with the exception of monitoring well SVE-3 which demonstrated increasing concentration trends.

**Based on the findings detailed in this report, Ensolum offers the following recommendations:**

- Report the groundwater monitoring results to the New Mexico EMNRD OCD.
- Continue semiannual groundwater monitoring at the Site to monitor and evaluate the concentration of COCs in groundwater over time.
- Based on TPH concentrations in soil and BTEX concentrations in groundwater at MW-25, install an additional delineation well south of MW-25 to delineate the southern extent of impacts.
- Request concurrence from the New Mexico EMNRD OCD that the groundwater plume is currently sufficiently delineated to the north, east, and west.
- Seek approval from the New Mexico EMNRD OCD to plug and abandon MW-1. The installation of MW-1R confirmed that MW-1 was screened in a deeper water-bearing interval and is not representative of the impacted groundwater unit. MW-1R will serve as a replacement for MW-1. Additionally, MW-1 has remained non-detect for all constituents since its installation in 2014.
- Evaluate remediation options which will be included in a Stage 2 Abatement Plan.
- Once the Stage 1 Abatement Plan is fully implemented, submit a Stage 2 Abatement Plan.

## **6.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE**

### **6.1 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).

### **6.2 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.

### **6.3 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.

## 7.0 REFERENCES

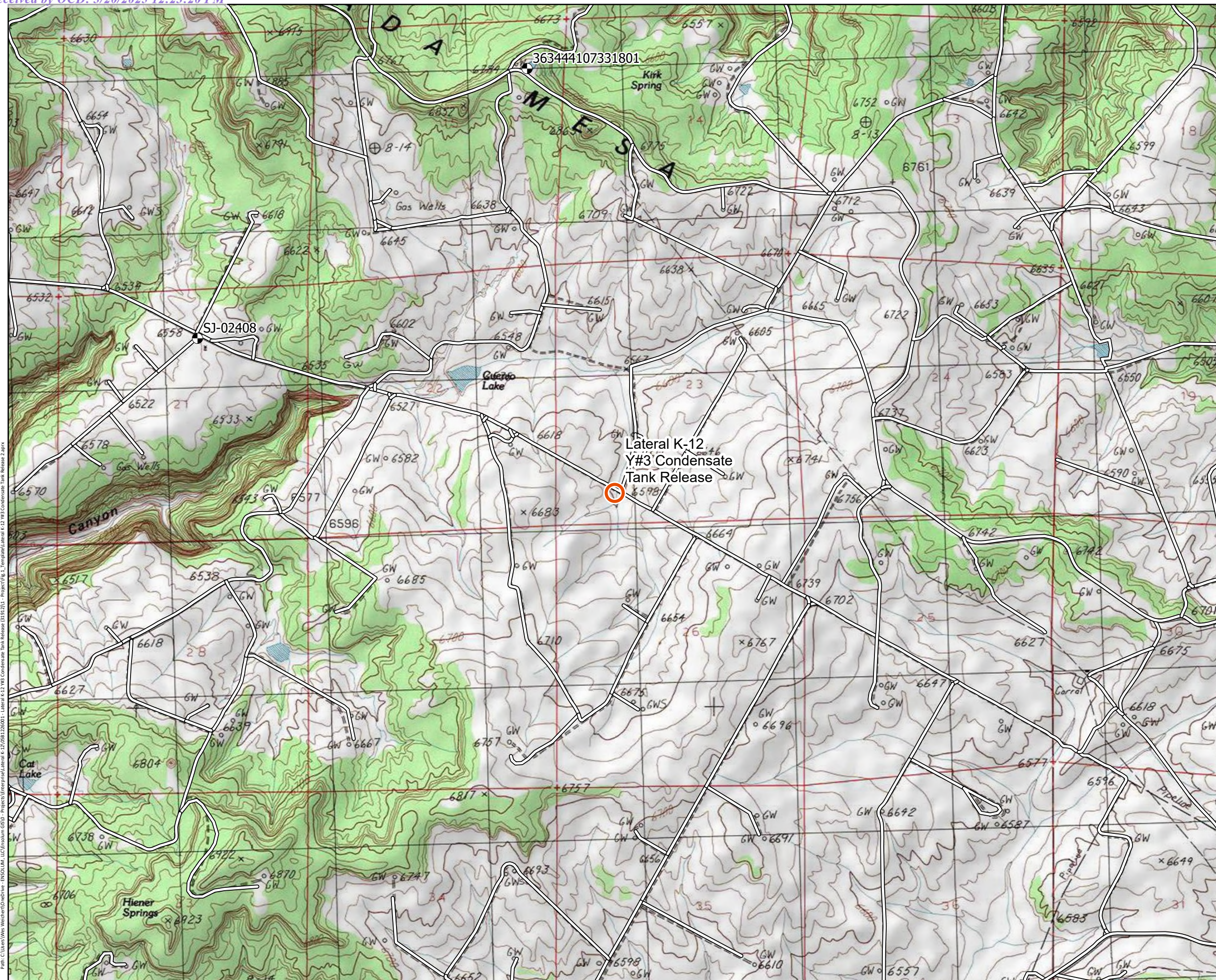
- Air Force Center for Environmental Excellence (AFCEE). 2004. *Principles and Practices of Enhanced Anaerobic Bioremediation of Chlorinated Solvents*. August.
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- Aziz, J. A., C. J. Newell, H. S. Rifai, and J. R. Gonzales. 2003. *Monitoring and Remediation Optimization System (MAROS) User's Guide*. GSI Environmental Inc.
- Ensolum, LLC. 2019. *Lateral K-12 Y#3 Condensate Tank Release (3/19/12) 2018 Annual Groundwater Monitoring Report*. September 26.
- Ensolum, LLC. 2019. *Stage 1 Abatement Plan*. March 21.
- Ensolum, LLC. 2023. *2022 Supplemental Environmental Site Investigation and Groundwater Monitoring Report*. May 3.



# APPENDIX A

## Figures





**Legend**

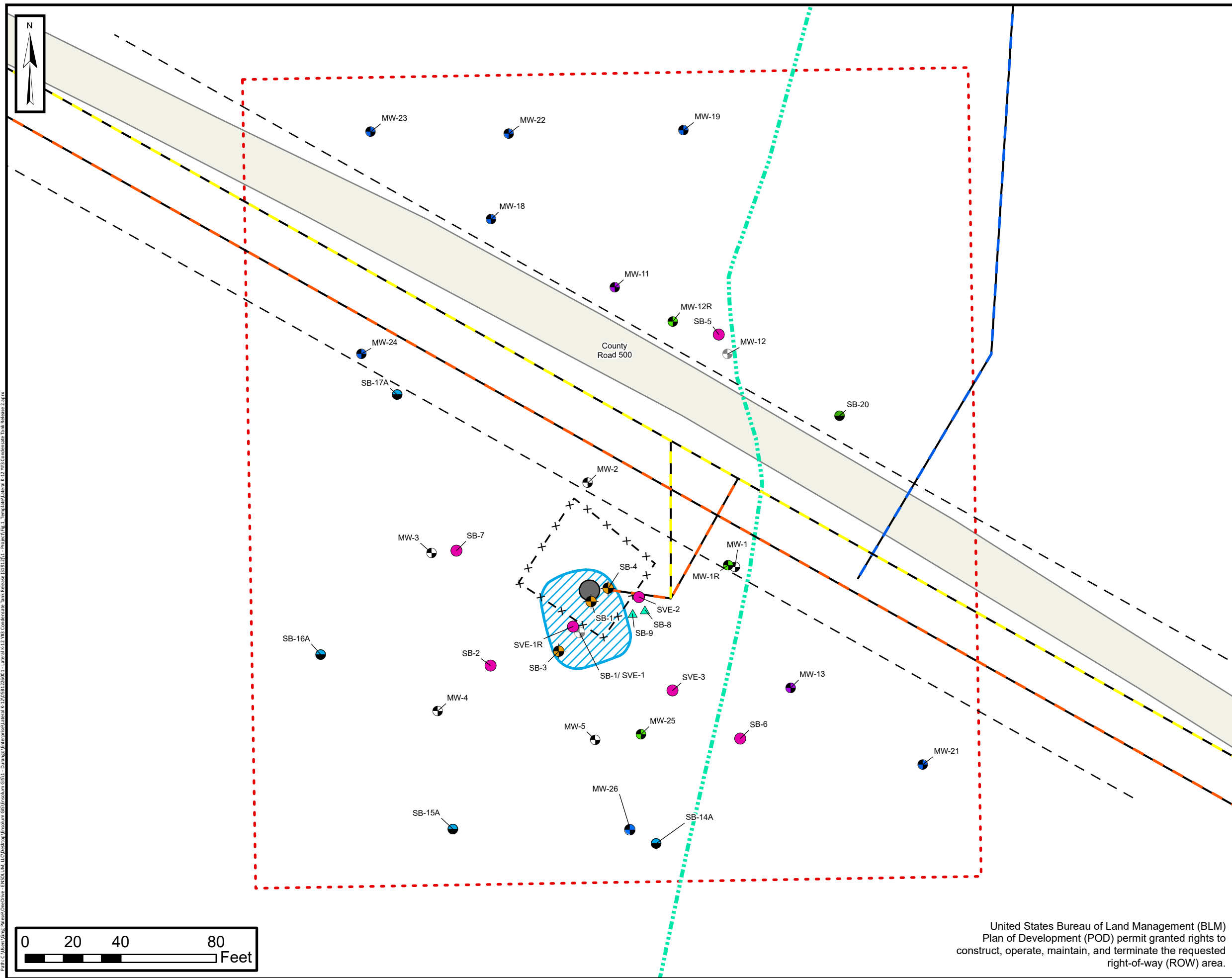
- Site Location
- Local Roads
- ⊕ USGS/OSE Groundwater Wells

**Topographic Map**

Enterprise Field Services, LLC  
 Lateral K-12 Y#3 Condensate Tank Release  
 Unit Letter I, S18 T24N R5W  
 Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
 36.55412° N, -107.54935° W

**Figure 1**

Project Number: 05B1226001



**LEGEND:**

- Monitoring Well Location (AES January 2013)
- Monitoring Well Location (Apex August 2016)
- Monitoring Well (Destroyed)
- Soil Boring Location (Apex August & September 2016)
- Soil Boring Location (Ensum 2020)
- Soil Boring Location (AES March 2012)
- Soil Boring Location (AES April 2012)
- Soil Boring Location (AES June 2013)
- Monitor Well Location (Ensum 2024)
- Proposed Monitor Well Location
- Tank
- Fence
- Surface Wash
- Estimated Pipeline Right-of-Way Boundary
- Lateral K-12 Pipeline Location
- Lateral K-12 Loop Pipeline
- X70651 Well Tie Pipeline Location
- 2012 Main Excavation Extent
- County Road 500
- Plan of Development Boundary

**Site Map**

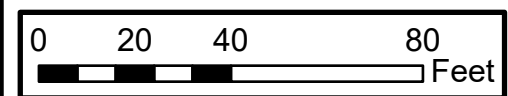
Enterprise Field Services, LLC  
Lateral K-12 Y#3 Condensate Tank Release

Unit Letter I, S18 T24N R5W  
Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
36.55412° N, -107.54935° W

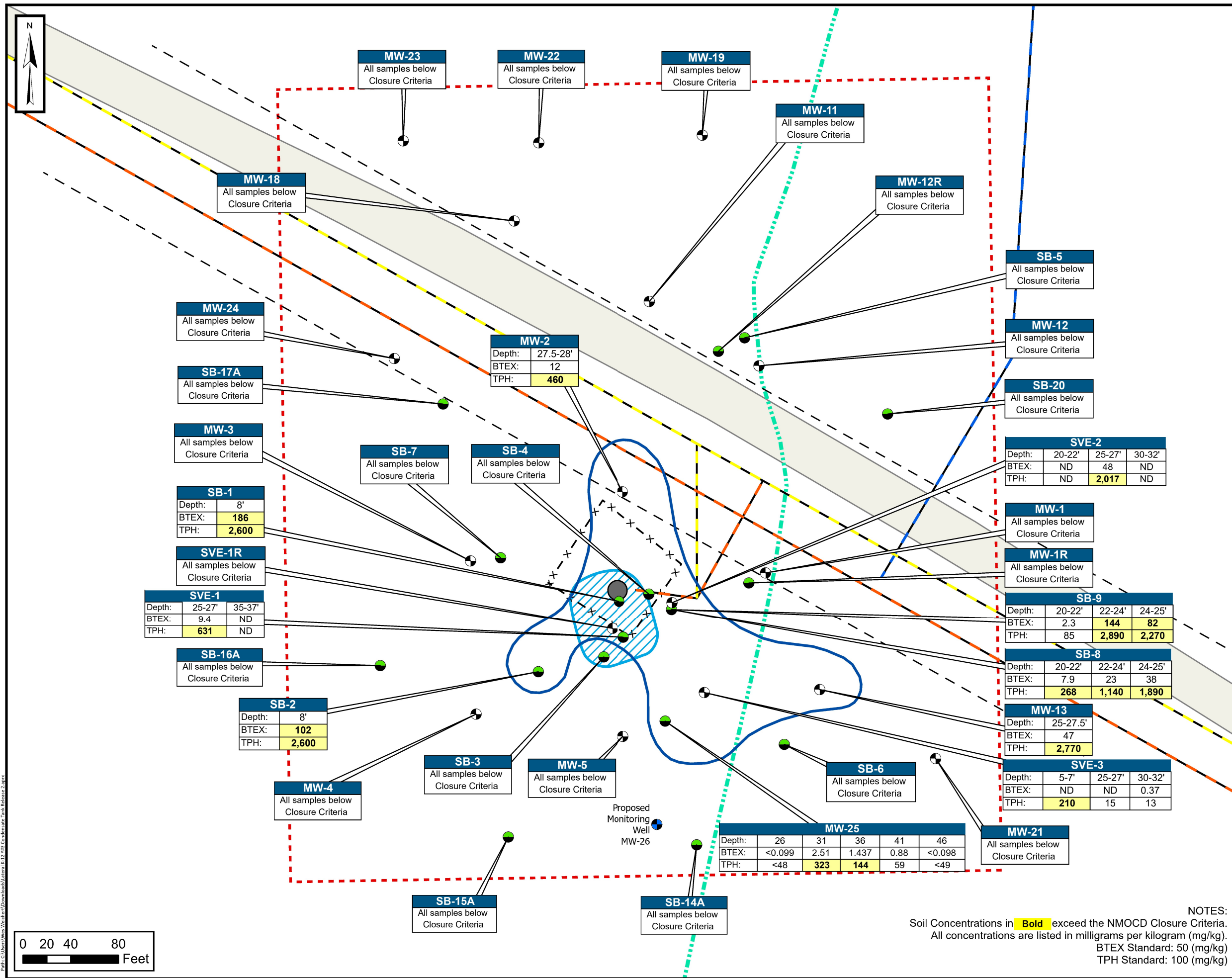
**Figure**

**2**

Project Number: 05B1226001



United States Bureau of Land Management (BLM)  
Plan of Development (POD) permit granted rights to  
construct, operate, maintain, and terminate the requested  
right-of-way (ROW) area.



### Legend

- Proposed Monitoring Well
- Soil Boring
- Monitoring Well
- Total Petroleum Hydrocarbons in Soil (maximum concentration observed in mg/kg)
- Lateral K-12 Loop Pipeline
- Lateral K-12 Pipeline
- X70651 Well Tie Pipeline Location
- Estimated Pipeline Right-of-Way Boundary
- Fence
- Surface Walsh
- Excavation Extent
- Tank
- County Road 500
- Plan of Development Boundary

United States Bureau of Land Management (BLM) Plan of Development (POD) permit granted rights to construct, operate, maintain, and terminate the requested right-of-way (ROW) area.

Environmental, Engineering and Hydrogeologic Consultants

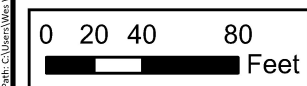
### Soil Analytical Results

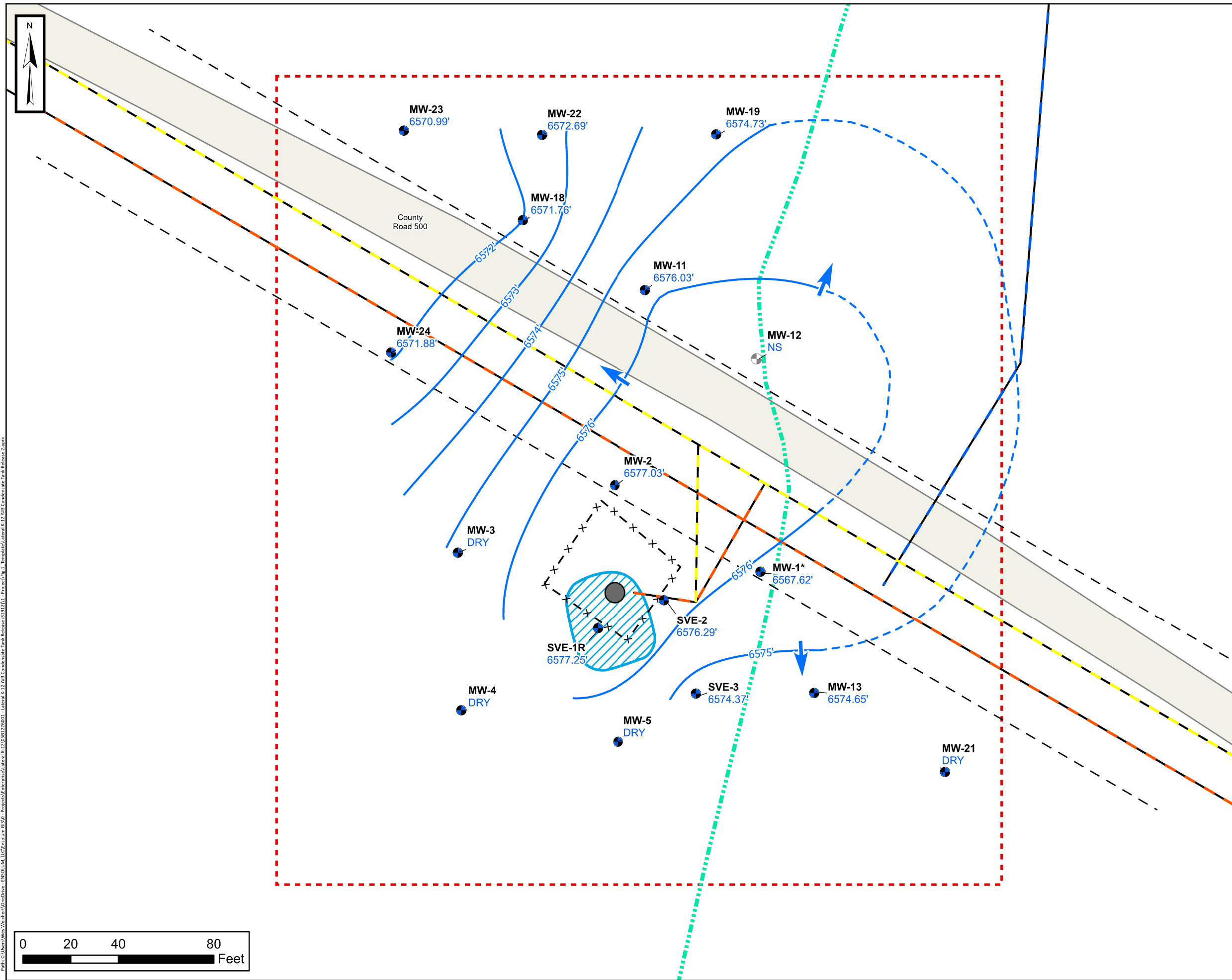
Enterprise Field Services, LLC  
Lateral K-12 Y#3 Condensate Tank Release  
Unit Letter I, S18 T24N R5W  
Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
36.55412° N, -107.54935° W

**Figure 3**

Project Number: 05B1226001

NOTES:  
Soil Concentrations in **bold** exceeded the NMOCD Closure Criteria.  
All concentrations are listed in milligrams per kilogram (mg/kg).  
BTEX Standard: 50 (mg/kg)  
TPH Standard: 100 (mg/kg)





**LEGEND:**

- Monitoring Well Location
- Monitoring Well Location (Destroyed or Plugged and Abandoned)
- Tank
- Fence
- Surface Wash
- Estimated Pipeline Right-of-Way Boundary
- Lateral K-12 Pipeline Location
- Lateral K-12 Loop Pipeline
- X70651 Well Tie Pipeline Location
- Groundwater Elevation Contour (Contour Interval = 5.0')
- 2012 Main Excavation Extent
- County Road 500
- Plan of Development
- Groundwater Flow Direction

**NOTES:**  
 Groundwater elevations in **blue** are listed in feet as measured at set OPUS adjusted control point.  
 Groundwater elevations for MW-1 was not utilized to develop groundwater gradient because it appears to represent deeper groundwater bearing unit.  
 United States Bureau of Land Management (BLM) Plan of Development (POD) permit granted rights to construct, operate, maintain, and terminate the requested right-of-way (ROW) area.

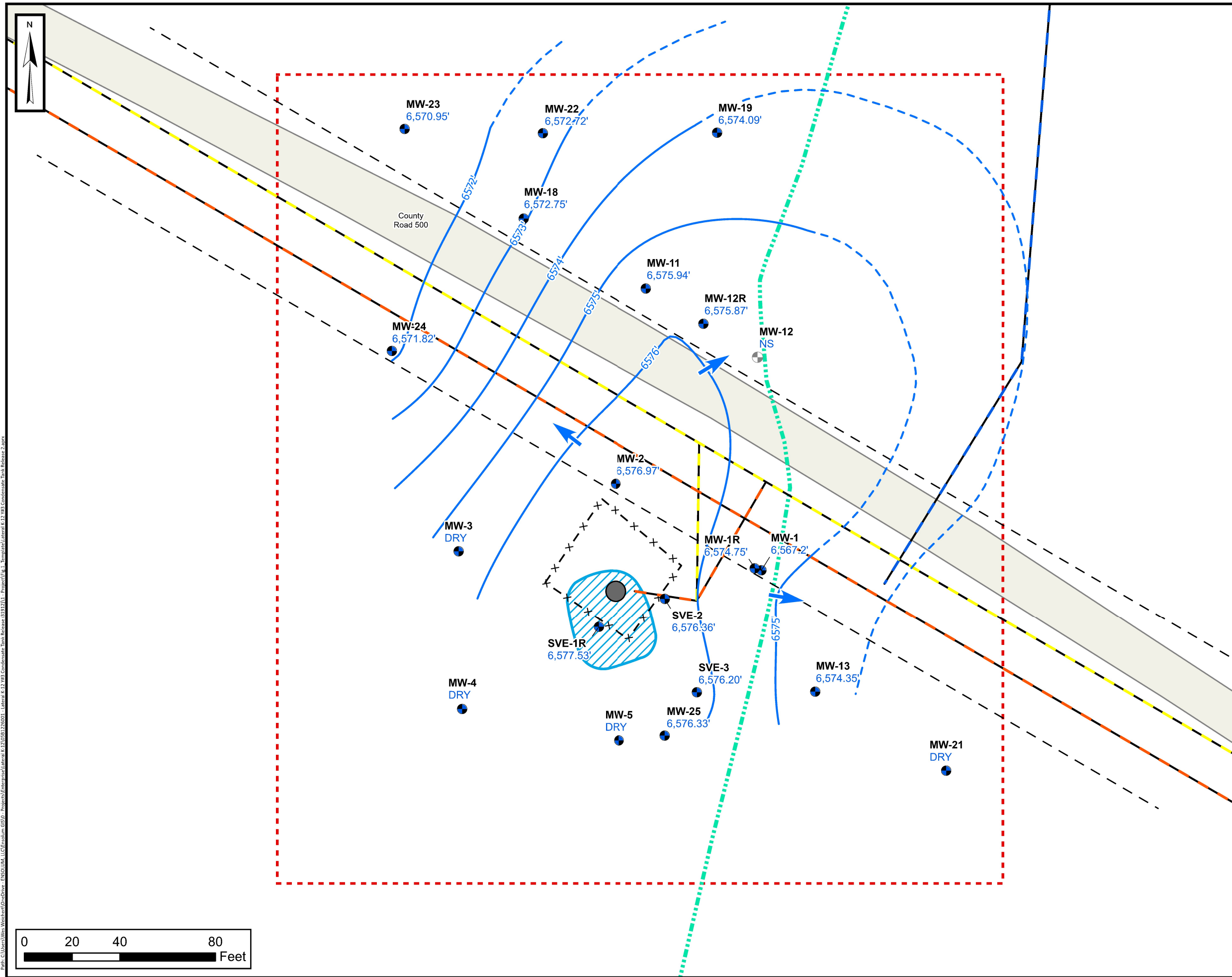


**Groundwater Gradient Map (May 2024)**

Enterprise Field Services, LLC  
 Lateral K-12 Y#3 Condensate Tank Release  
 Unit Letter I, S18 T24N R5W  
 Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
 36.55412° N, -107.54935° W

**Figure 4A**

Project Number: 05B1226001



**LEGEND:**

- Monitoring Well Location
- Monitoring Well Location (Destroyed or Plugged and Abandoned)
- Tank
- × - × - Fence
- · - · - Surface Wash
- - - - Estimated Pipeline Right-of-Way Boundary
- - - - Lateral K-12 Pipeline Location
- - - - Lateral K-12 Loop Pipeline
- - - - X70651 Well Tie Pipeline Location
- - - - Groundwater Elevation Contour (Contour Interval = 5.0')
- 2012 Main Excavation Extent
- County Road 500
- Plan of Development
- ← Groundwater Flow Direction

**NOTES:**

Groundwater elevations in **blue** are listed in feet as measured at set OPUS adjusted control point.

Groundwater elevations for MW-1 was not utilized to develop groundwater gradient because it appears to represent deeper groundwater bearing unit.

United States Bureau of Land Management (BLM) Plan of Development (POD) permit granted rights to construct, operate, maintain, and terminate the requested right-of-way (ROW) area.

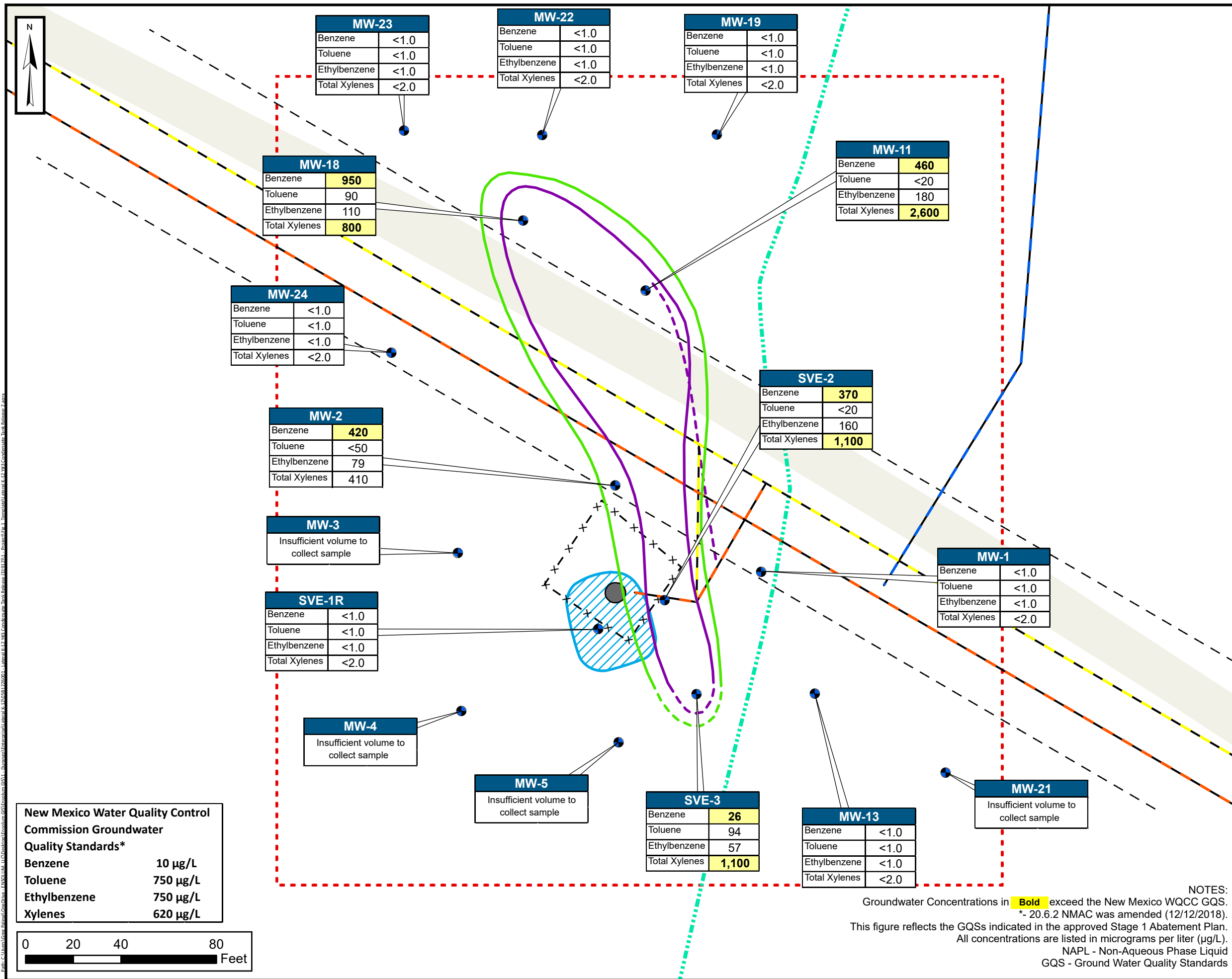


**Groundwater Gradient Map  
(December 2024)**

Enterprise Field Services, LLC  
Lateral K-12 Y#3 Condensate Tank Release  
Unit Letter I, S18 T24N R5W  
Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
36.55412° N, -107.54935° W

**Figure  
4B**

Project Number: 05B1226001



**LEGEND:**

- Monitoring Well Location
- Tank
- Fence
- Surface Wash
- Estimated Pipeline Right-of-Way Boundary
- Lateral K-12 Pipeline Location
- Lateral K-12 Loop Pipeline
- X70651 Well Tie Pipeline Location
- Approximate Extent of Benzene
- Approximate Extent of Xylenes
- 2012 Main Excavation Extent
- County Road 500
- Plan of Development

United States Bureau of Land Management (BLM) Plan of Development (POD) permit granted rights to construct, operate, maintain, and terminate the requested right-of-way (ROW) area.



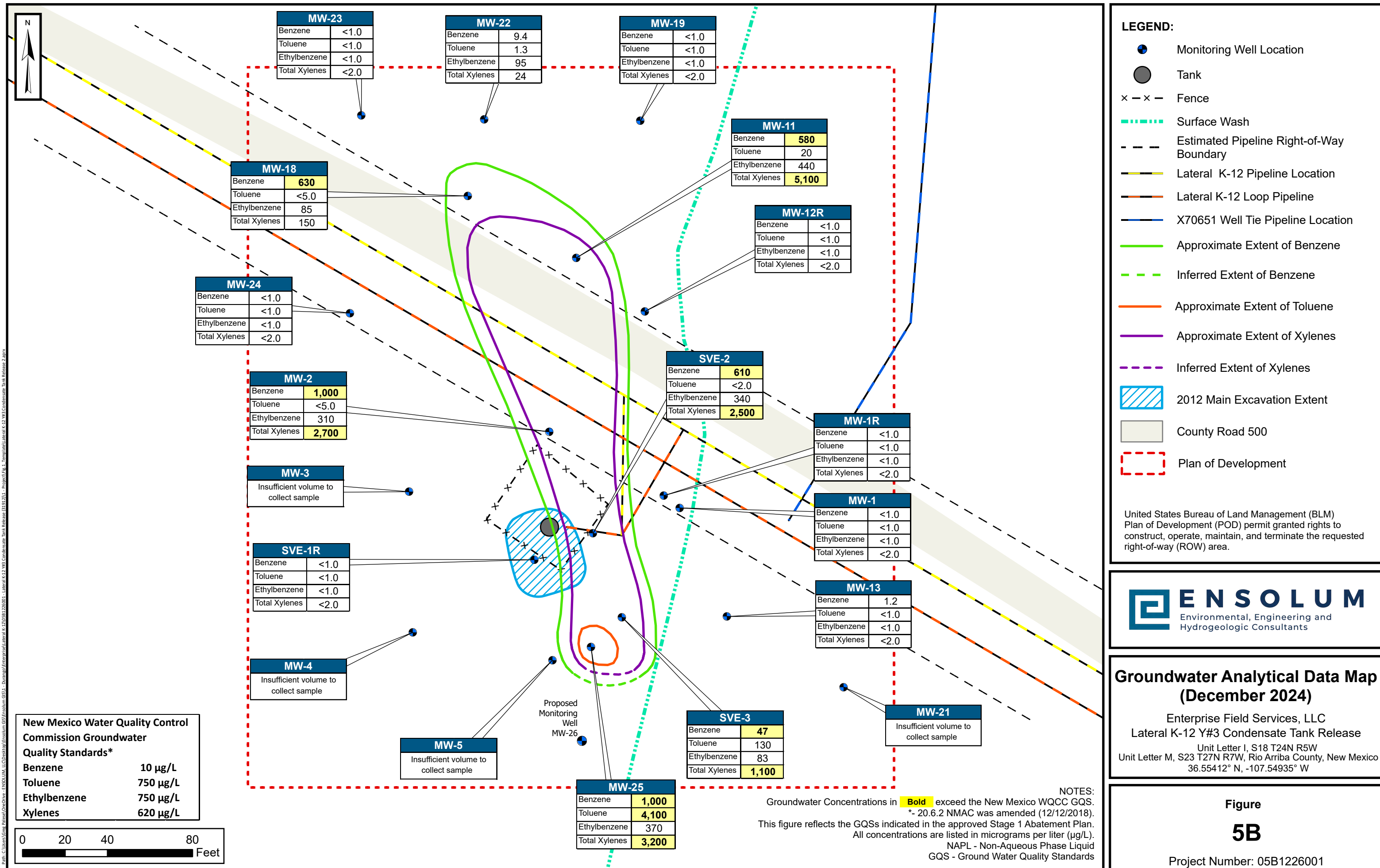
**Groundwater Analytical Data Map (May 2024)**

Enterprise Field Services, LLC  
 Lateral K-12 Y#3 Condensate Tank Release  
 Unit Letter I, S18 T24N R5W  
 Unit Letter M, S23 T27N R7W, Rio Arriba County, New Mexico  
 36.55412° N, -107.54935° W

**Figure 5A**

Project Number: 05B1226001

**NOTES:**  
 Groundwater Concentrations in **Bold** exceed the New Mexico WQCC GQS.  
 \*- 20.6.2 NMAC was amended (12/12/2018).  
 This figure reflects the GQSs indicated in the approved Stage 1 Abatement Plan.  
 All concentrations are listed in micrograms per liter (µg/L).  
 NAPL - Non-Aqueous Phase Liquid  
 GQS - Ground Water Quality Standards





## APPENDIX B

# Data Summary Tables





**TABLE 1**  
**FLUID RECOVERY EVENT DATA**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
SVE-1R	10.16.23	ND	28.33	ND	6606.40	6578.07
	10.20.23	ND	29.02	ND		6577.38
	11.16.23	ND	28.36	ND		6578.04
	12.5.23	ND	28.43	ND		6577.97
	2.1.24	ND	28.60	ND		6577.80
	3.13.24	ND	28.67	ND		6577.73
	4.2.24	ND	28.73	ND		6577.67
	4.16.24	ND	28.98	ND		6577.42
	5.2.24	ND	28.95	ND		6577.45
SVE-2	10.16.23	ND	29.19	ND	6606.38	6577.19
	10.20.23	ND	29.66	ND		6576.72
	11.16.23	ND	29.27	ND		6577.11
	12.5.23	ND	29.30	ND		6577.08
	2.1.24	ND	29.53	ND		6576.85
	3.13.24	ND	29.64	ND		6576.74
	4.2.24	ND	29.72	ND		6576.66
	4.16.24	ND	29.94	ND		6576.44
	5.2.24	ND	29.96	ND		6576.42
SVE-3	10.16.23	31.24	31.25	0.01	6607.92	6576.68
	10.20.23	<0.01	33.15	ND		6574.77
	11.16.23	<0.01	31.71	ND		6576.21
	12.5.23	<0.01	32.07	ND		6575.85
	2.1.24	<0.01	32.08	ND		6575.84
	3.13.24	<0.01	31.93	ND		6575.99
	4.2.24	<0.01	32.42	ND		6575.50
	4.16.24	<0.01	33.12	ND		6574.80
	5.2.24	<0.01	33.10	ND		6574.82
MW-2	10.16.23	ND	28.73	ND	6606.28	6577.55
	10.20.23	ND	28.71	ND		6577.57
	11.16.23	ND	28.73	ND		6577.55
	12.5.23	ND	28.86	ND		6577.42
	2.1.24	ND	28.93	ND		6577.35
	3.13.24	ND	29.03	ND		6577.25
	4.2.24	ND	29.17	ND		6577.11
	4.16.24	ND	30.19	ND		6576.09
	5.2.24	ND	29.22	ND		6577.06



**TABLE 1**  
**FLUID RECOVERY EVENT DATA**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-11	10.16.23	28.18	28.19	0.01	6604.64	6576.46
	10.20.23	<0.01	28.18	ND		6576.46
	11.16.23	<0.01	28.22	ND		6576.42
	12.5.23	<0.01	28.32	ND		6576.32
	2.1.24	28.35	28.36	0.01		6576.29
	3.13.24	ND	28.43	ND		6576.21
	4.2.24	ND	28.53	ND		6576.11
	4.16.24	<0.01	28.53	ND		6576.11
	5.2.24	28.56	28.57	0.01		6576.08
MW-18	10.16.23	ND	32.50	ND	6605.35	6572.85
	10.20.23	ND	34.11	ND		6571.24
	11.16.23	ND	33.15	ND		6572.20
	12.5.23	ND	33.32	ND		6572.03
	2.1.24	ND	33.14	ND		6572.21
	3.13.24	ND	33.09	ND		6572.26
	4.2.24	ND	33.22	ND		6572.13
	4.16.24	ND	33.50	ND		6571.85
	5.2.24	ND	33.41	ND		6571.94
MW-22	10.16.23	ND	32.68	ND	6605.49	6572.81
	10.20.23	ND	33.67	ND		6571.82
	11.16.23	ND	32.58	ND		6572.91
	12.5.23	ND	32.66	ND		6572.83
	2.1.24	ND	32.53	ND		6572.96
	3.13.24	ND	32.52	ND		6572.97
	4.2.24	ND	32.60	ND		6572.89
	4.16.24	ND	32.61	ND		6572.88
	5.2.24	ND	32.61	ND		6572.88

<sup>1</sup> = corrected for presence of phase-separated hydrocarbon, if applicable, using an estimated product specific gravity of 0.729

BTOC - below top of casing

AMSL - above mean sea level

TOC - top of casing

ND - Not detected

NA - Not applicable



**TABLE 2**  
**SOIL ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
New Mexico EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE			100	600

**Soil Borings Advanced by Animas Environmental Services, LLC during Initial Release Assessment (2012)**

SB-1	3.20.12	8	<1.0	36	9.9	140	186	1,800	800	NA	2,600	NA
SB-2	3.20.12	8	<0.97	5.4	6.2	90	102	1,500	1,100	NA	2,600	NA
SB-3	3.20.12	8	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10	NA	ND	NA
SB-4	3.20.12	8	<0.050	<0.050	<0.050	0.24	0.24	13	<10	NA	13	NA

**Excavation Soil Samples Collected by Animas Environmental Services, LLC (2012)**

S-1	4.09.12	20 to 25	3.2	18	8.1	100	129	1,400	490	NA	1,890	<30
S-2	4.09.12	30	11	86	18	210	325	3,400	980	NA	4,380	140
SC-1	4.17.12	35	<0.93	2.3	<0.93	8.4	11	180	140	<49	320	NA
SC-2	4.17.12	35	<4.7	38	8.1	110	156	1,600	620	59	2,279	NA
SC-3	4.17.12	35	<2.3	3.9	<2.3	23	27	430	310	69	809	NA
SC-4	4.17.12	35	<2.4	24	5.9	77	107	1,200	520	68	1,788	NA
SC-5	4.17.12	35	<0.99	6.7	2.3	27	36	540	200	<49	740	NA
SC-6	4.17.12	25 to 35	2.5	35	5.5	70	113	1,200	790	<490	1,990	NA
SC-7	4.17.12	25 to 35	<0.94	4.8	1.5	18	24	410	180	<49	590	NA
SC-8	4.17.12	25 to 35	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<9.9	<50	ND	NA
SC-9	4.17.12	25 to 35	<0.94	<0.94	<0.94	14	14	160	100	<48	260	NA

**Soil Borings Advanced by Animas Environmental Services, LLC (2012-2014)**

SB-1/SVE-1	4.25.12	25 to 27	<0.47	0.97	0.59	7.8	9.4	150	420	61	631	NA
	4.25.12	35 to 37	<0.048	<0.048	<0.048	<0.096	ND	<4.8	<10	<52	ND	NA
SB-2	4.25.12	15 to 17	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<9.9	<49	ND	NA
	4.25.12	25 to 27	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10	<50	ND	NA
	4.25.12	30 to 32	<0.050	<0.050	<0.050	<0.099	ND	<5.0	<9.6	<48	ND	NA
SB-3/SVE-2	4.25.12	20 to 22	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<9.8	<49	ND	NA
	4.25.12	25 to 27	<0.97	0.99	4.1	43	48	1,100	820	97	2,017	NA
	4.25.12	30 to 32	<0.050	<0.050	<0.050	<0.10	ND	<5.0	<10	<50	ND	NA
SB-4/SVE-3	4.26.12	5 to 7	<0.097	<0.097	<0.097	<0.19	ND	<9.7	210	NA	210	NA
	4.26.12	25 to 27	<0.049	<0.049	<0.049	<0.099	ND	<4.9	15	NA	15	NA
	4.26.12	30 to 32	<0.049	<0.049	<0.049	0.37	0.37	13	<9.6	NA	13	NA
SB-5	4.26.12	20 to 22	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10	NA	ND	NA
	4.26.12	25 to 27	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9	NA	ND	NA
SB-6	4.30.12	15 to 17	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<10	NA	ND	NA
	4.30.12	20 to 22	<0.047	<0.047	<0.047	<0.093	ND	<4.7	<10	NA	ND	NA
	4.30.12	25 to 27	<0.048	<0.048	<0.048	<0.097	ND	<4.8	<10	NA	ND	NA
SB-7	4.30.12	15 to 17	<0.049	<0.049	<0.049	<0.097	ND	<4.9	<9.8	NA	ND	NA
	4.30.12	20 to 22	<0.050	<0.050	<0.050	<0.099	ND	<5.0	<9.9	NA	ND	NA
	4.30.12	25 to 27	<0.048	<0.048	<0.048	<0.097	ND	<4.8	<9.8	NA	ND	NA
SB-8	6.19.13	20 to 22	<0.12	0.50	0.96	6.4	7.9	240	28	NA	268	NA
	6.19.13	22 to 24	0.24	1.3	2.7	19	23	680	460	NA	1,140	NA
	6.19.13	24 to 25	<0.12	0.49	4.9	33	38	1,100	790	NA	1,890	NA



**TABLE 2**  
**SOIL ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
New Mexico EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE			100	600

**Soil Borings Advanced by Animas Environmental Services, LLC (2012-2014) cont'd**

SB-9	6.19.13	20 to 22	<0.093	0.12	0.27	1.9	2.3	57	29	NA	85	NA
	6.19.13	22 to 24	2.2	32	10	100	144	2,000	890	NA	2,890	NA
	6.19.13	24 to 25	1.2	21	7.0	53	82	1,700	570	NA	2,270	NA
SB-10/MW-1	1.14.14	24.5 to 25	<0.001	<0.001	<0.001	<0.003	ND	<0.05	<2	NA	ND	NA
SB-11/MW-2	1.14.14	27.5 to 28	<0.006	0.05	0.3	12	12	190	270	NA	460	NA
SB-12/MW-3	1.15.14	16 to 17	<0.001	<0.001	<0.001	<0.003	ND	<0.05	<2	NA	ND	NA
SB-13/MW-4	1.16.14	16 to 17	<0.001	0.003	<0.001	<0.004	0.003	<0.06	<2	NA	ND	NA
	1.16.14	24 to 25	<0.001	<0.001	<0.001	<0.003	ND	<0.05	13	NA	13	NA
SB-14/MW-5	1.15.14	23 to 24	<0.001	<0.001	<0.001	<0.003	ND	<0.06	2	NA	2	NA
	1.15.14	27 to 28	<0.001	0.003	<0.001	<0.004	0.003	<0.06	18	NA	18	NA
SB-15/SVE-1R	1.15.14	22.5 to 23.5	<0.001	<0.001	<0.001	<0.003	ND	<0.06	<2	NA	ND	NA

**Soil Borings Advanced by Apex TITAN, Inc (2016)**

MW-11	8.30.16	29 to 29.5	<0.24	<0.48	1.0	10	11	410	150	NA	560	NA
MW-12	8.30.16	27 to 27.5	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.9	NA	ND	NA
MW-13	8.31.16	25 to 27.5	0.50	6.3	5.1	35	47	2,500	270	NA	2,770	NA
SB-14A	8.31.16	25 to 26	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.5	NA	ND	NA
SB-15A	8.31.16	22.5 to 25	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.9	NA	ND	NA
SB-16A	9.1.16	20 to 22.5	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<10	NA	ND	NA
SB-17A	8.30.16	23 to 23.5	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<10	NA	ND	NA

**Soil Borings Advanced by Ensolum, LLC (2020 & 2022)**

MW-18	10.22.20	10 to 12	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.6	<48	ND	<60
	10.22.20	28 to 32	<0.025	<0.049	<0.049	<0.099	ND	9.1	<9.6	<48	9.1	<60
MW-19	10.22.20	12 to 14	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.5	<47	ND	<59
	10.22.20	28 to 30	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.5	<48	ND	<60
SB-20	10.22.20	16 to 18	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.9	<49	ND	<60
	10.22.20	32 to 34	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.9	<49	ND	<60
MW-21	10.21.20	12 to 14	<0.025	<0.050	<0.050	<0.10	ND	<5.0	18	<46	18	92
	10.21.20	32 to 34	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.3	<47	ND	<59
SB-22/MW-22	7.18.22	15 to 17	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<15	<50	ND	<59
		31 to 32	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<15	<49	ND	<60
		35 to 37	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<15	<50	ND	<60
SB-23/MW-23	7.19.22	15 to 16	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<15	<49	ND	88
		30 to 31	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<15	<50	ND	<61
		35 to 37	<0.024	<0.047	<0.047	<0.095	ND	<4.7	16	<49	16	<59
SB-24/MW-24	7.19.22	15 to 16	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<15	<50	ND	62
		30 to 31	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<15	<50	ND	<60
		35 to 37	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<15	<50	ND	<60



**TABLE 2**  
**SOIL ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
New Mexico EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE			100	600

Soil Borings Advanced by Ensolum, LLC (2024)												
MW-1R	10.22.24	22	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	<60
	10.22.24	27	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	<60
	10.22.24	32	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.1	<46	<46	<61
MW12R	10.23.24	23	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	<60
	10.23.24	28	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<49	<49	<60
	10.23.24	33	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	<60
MW-25	10.22.24	26	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	<60
	10.22.24	31	<0.025	0.28	0.33	1.9	2.51	73	150	100	<b>323</b>	<60
	10.22.24	36	0.027	<0.047	0.31	1.1	1.437	110	34	<49	<b>144</b>	<60
	10.22.24	41	<0.025	<0.050	0.16	0.72	0.88	47	12	<50.0	59	<60
	10.22.24	46	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60

Note: Concentrations in **bold** and yellow exceed the applicable OCD Closure Criteria

mg/kg = milligrams per kilogram

ND = Not Detected above the Laboratory RLs or PQLs

NE = Not established

NA = Not Analyzed

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
SVE-1	10.08.13	ND	27.46	ND	NA	NA
SVE-1R	02.12.14	ND	29.06	ND	6606.40	6577.34
	11.13.14	ND	30.05	ND		6576.35
	5.26.15	ND	29.27	ND		6577.13
	12.02.15	ND	28.06	ND		6578.34
	6.14.16	ND	28.05	ND		6578.35
	9.22.16	ND	28.10	ND		6578.30
	12.12.16	ND	28.15	ND		6578.25
	7.06.17	ND	28.24	ND		6578.16
	12.12.17	ND	28.35	ND		6578.05
	6.28.18	ND	28.80	ND		6577.60
	1.21.19**	ND	28.81	ND		6577.59
	8.29.19	ND	28.57	ND		6577.83
	12.26.19	ND	28.59	ND		6577.81
	5.19.20	ND	29.02	ND		6577.38
	12.8.20	ND	29.28	ND		6577.12
	5.12.21	ND	29.52	ND		6576.88
	11.29.21	ND	29.44	ND		6576.96
	5.23.22	ND	29.62	ND		6576.78
	11.29.22	ND	28.64	ND		6577.76
	5.30.23	ND	28.26	ND		6578.14
12.12.23	ND	29.04	ND	6577.36		
5.14.24	ND	29.15	ND	6577.25		
12.2.24	ND	28.87	ND	6577.53		
SVE-2	10.08.13	ND	28.00	ND	6606.38	6578.38
	02.12.14	ND	29.39	ND		6576.99
	11.13.14	ND	29.42	ND		6576.96
	5.26.15	ND	29.86	ND		6576.52
	12.02.15	ND	28.74	ND		6577.64
	6.14.16	ND	28.58	ND		6577.80
	9.22.16	ND	28.77	ND		6577.61
	12.12.16	ND	28.74	ND		6577.64
	7.06.17	ND	29.26	ND		6577.12
	12.12.17	ND	29.50	ND		6576.88
	6.28.18	ND	30.05	ND		6576.33
	1.21.19**	ND	29.82	ND		6576.56
	8.29.19	ND	30.07	ND		6576.31
	12.26.19	ND	29.90	ND		6576.48
	5.19.20	ND	30.41	ND		6575.97
	12.8.20	ND	30.53	ND		6575.85
	5.12.21	ND	30.79	ND		6575.59
	11.29.21	ND	30.68	ND		6575.70
	5.23.22	ND	30.75	ND		6575.63
	11.29.22	ND	29.64	ND		6576.74
5.30.23	ND	29.00	ND	6577.38		
12.12.23	ND	29.48	ND	6576.90		
5.14.24	ND	30.09	ND	6576.29		
12.2.24	ND	30.02	ND	6576.36		



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
SVE-3	10.08.13	ND	31.85	ND	6607.92	6576.07
	02.12.14	ND	29.98	ND		6577.94
	11.13.14	ND	29.54	ND		6578.38
	5.26.15	ND	30.93	ND		6576.99
	12.02.15	ND	30.49	ND		6577.43
	6.14.16	ND	30.37	ND		6577.55
	9.22.16	ND	30.50	ND		6577.42
	12.12.16	ND	30.28	ND		6577.64
	7.06.17	ND	31.77	ND		6576.15
	12.12.17	ND	30.79	ND		6577.13
	6.28.18	ND	31.08	ND		6576.84
	1.21.19**	ND	30.91	ND		6577.01
	8.29.19	ND	31.24	ND		6576.68
	12.26.19	ND	31.09	ND		6576.83
	5.19.20	ND	31.48	ND		6576.44
	12.8.20	ND	31.67	ND		6576.25
	5.12.21	ND	31.87	ND		6576.05
	11.29.21	ND	31.93	ND		6575.99
	5.23.22	ND	32.05	ND		6575.87
	11.29.22	ND	31.29	ND		6576.63
5.30.23	ND	31.22	ND	6576.70		
12.12.23	ND	33.35	0.01	6574.58		
5.14.24	ND	33.55	ND	6574.37		
12.2.24	ND	31.72	ND	6576.20		
MW-1	02.12.14	ND	40.95	ND	6607.05	6566.10
	11.13.14	ND	38.45	ND		6568.60
	5.26.15	ND	38.78	ND		6568.27
	12.02.15	ND	39.53	ND		6567.52
	6.14.16	ND	39.97	ND		6567.08
	9.22.16	ND	39.91	ND		6567.14
	12.12.16	ND	39.58	ND		6567.47
	7.06.17	ND	40.28	ND		6566.77
	12.12.17	ND	40.21	ND		6566.84
	6.28.18	ND	40.27	ND		6566.78
	1.21.19**	ND	39.69	ND		6567.36
	8.29.19	ND	40.05	ND		6567.00
	12.26.19	ND	38.56	ND		6568.49
	5.19.20	ND	40.02	ND		6567.03
	12.8.20	ND	40.13	ND		6566.92
	5.12.21	ND	40.16	ND		6566.89
	11.29.21	ND	40.49	ND		6566.56
	5.23.22	ND	40.19	ND		6566.86
	11.29.22	ND	39.68	ND		6567.37
	5.30.23	ND	39.46	ND		6567.59
12.12.23	ND	39.18	ND	6567.87		
5.14.24	ND	39.43	ND	6567.62		
12.2.24	ND	39.85	ND	6567.20		
MW-1R	12.2.24	ND	32.30	ND	6607.46	6575.16



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-2	02.12.14	ND	28.79	ND	6606.28	6577.49
	11.13.14	ND	29.27	ND		6577.01
	5.26.15	ND	29.45	ND		6576.83
	12.02.15	ND	28.28	ND		6578.00
	6.14.16	ND	28.37	ND		6577.91
	9.22.16	ND	28.62	ND		6577.66
	12.12.16	ND	28.70	ND		6577.58
	7.06.17	ND	29.00	ND		6577.28
	12.12.17	ND	29.22	ND		6577.06
	6.28.18	ND	29.61	ND		6576.67
	1.21.19**	ND	29.35	ND		6576.93
	8.29.19	ND	29.41	ND		6576.87
	12.26.19	ND	29.61	ND		6576.67
	5.19.20	ND	29.88	ND		6576.40
	12.8.20	ND	30.08	ND		6576.20
	5.12.21	ND	30.24	ND		6576.04
	11.29.21	ND	29.78	ND		6576.50
	5.23.22	ND	30.05	ND		6576.23
	11.29.22	ND	28.60	ND		6577.68
	5.30.23	ND	28.21	ND		6578.07
12.12.23	ND	28.78	ND	6577.50		
5.2.24	ND	29.22	ND	6577.06		
5.14.24	ND	29.25	ND	6577.03		
12.2.24	ND	29.31	ND	6576.97		
MW-3	02.12.14	DRY	DRY	DRY	6608.04	DRY
	11.13.14	DRY	DRY	DRY		DRY
	5.26.15	DRY	DRY	DRY		DRY
	12.02.15	DRY	DRY	DRY		DRY
	6.14.16	DRY	DRY	DRY		DRY
	9.22.16	DRY	DRY	DRY		DRY
	12.12.16	DRY	DRY	DRY		DRY
	7.06.17	DRY	DRY	DRY		DRY
	12.12.17	DRY	DRY	DRY		DRY
	6.28.18	DRY	DRY	DRY		DRY
	1.21.19**	DRY	DRY	DRY		DRY
	8.29.19	DRY	DRY	DRY		DRY
	12.26.19	DRY	DRY	DRY		DRY
	5.19.20	DRY	DRY	DRY		DRY
	12.8.20	DRY	DRY	DRY		DRY
	5.12.21	DRY	DRY	DRY		DRY
	11.29.21	DRY	DRY	DRY		DRY
	5.23.22	DRY	DRY	DRY		DRY
	11.29.22	DRY	DRY	DRY		DRY
	5.30.23	DRY	DRY	DRY		DRY
12.12.23	DRY	DRY	DRY	DRY		
5.14.24	DRY	DRY	DRY	DRY		
12.2.24	DRY	DRY	DRY	DRY		



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-4	02.12.14	DRY	DRY	DRY	6609.66	DRY
	11.13.14	DRY	DRY	DRY		DRY
	5.26.15	DRY	DRY	DRY		DRY
	12.02.15	DRY	DRY	DRY		DRY
	6.14.16	DRY	DRY	DRY		DRY
	9.22.16	DRY	DRY	DRY		DRY
	12.12.16	DRY	DRY	DRY		DRY
	7.06.17	DRY	DRY	DRY		DRY
	12.12.17	DRY	DRY	DRY		DRY
	6.28.18	DRY	DRY	DRY		DRY
	1.21.19**	DRY	DRY	DRY		DRY
	8.29.19	DRY	DRY	DRY		DRY
	12.26.19	DRY	DRY	DRY		DRY
	5.19.20	DRY	DRY	DRY		DRY
	12.8.20	DRY	DRY	DRY		DRY
	5.12.21	DRY	DRY	DRY		DRY
	11.29.21	DRY	DRY	DRY		DRY
	5.23.22	DRY	DRY	DRY		DRY
	11.29.22	DRY	DRY	DRY		DRY
	5.30.23	DRY	DRY	DRY		DRY
12.12.23	DRY	DRY	DRY	DRY		
5.14.24	DRY	DRY	DRY	DRY		
12.2.24	DRY	DRY	DRY	DRY		
MW-5	02.12.14	ND	29.87	ND	6607.59	6577.72
	11.13.14	ND	30.04	ND		6577.55
	5.26.15	DRY	DRY	DRY		DRY
	12.02.15	DRY	DRY	DRY		DRY
	6.14.16	DRY	DRY	DRY		DRY
	9.22.16	ND	30.04	ND		6577.55
	12.12.16	ND	30.50	ND		6577.09
	7.06.17	ND	30.05	ND		6577.54
	12.12.17	ND	30.06	ND		6577.53
	6.28.18	ND	30.50	ND		6577.09
	1.21.19**	ND	30.49	ND		6577.10
	8.29.19	ND	30.52	ND		6577.07
	12.26.19	ND	30.51	ND		6577.08
	5.19.20	ND	30.58	ND		6577.01
	12.8.20	ND	30.60	ND		6576.99
	5.12.21	DRY	DRY	DRY		DRY
	11.29.21	DRY	DRY	DRY		DRY
	5.23.22	DRY	DRY	DRY		DRY
	11.29.22	DRY	DRY	DRY		DRY
	5.30.23	DRY	DRY	DRY		DRY
12.12.23	DRY	DRY	DRY	DRY		
5.14.24	DRY	DRY	DRY	DRY		
12.2.24	DRY	DRY	DRY	DRY		



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-11	9.22.16	ND	27.71	ND	6604.64	6576.93
	12.12.16	ND	27.65	ND		6576.99
	7.06.17	ND	28.25	ND		6576.39
	12.12.17	ND	28.75	ND		6575.89
	6.28.18	ND	29.18	ND		6575.46
	1.21.19**	ND	28.41	ND		6576.23
	8.29.19	ND	28.70	ND		6575.94
	12.26.19	ND	29.12	ND		6575.52
	5.19.20	ND	29.40	ND		6575.24
	12.8.20	29.54	32.31	2.77		6574.35
	5.12.21	29.69	30.57	0.88		6574.71
	11.29.21	28.42	29.37	0.95		6575.96
	5.23.22	28.99	29.76	0.77		6575.44
	11.29.22	27.55	27.57	0.02		6577.08
	5.30.23	ND	27.10	ND		6577.54
	12.12.23	28.25	28.27	0.02		6576.38
	5.2.24	28.56	28.57	0.01		6576.08
5.14.24	ND	28.61	ND	6576.03		
12.2.24	ND	28.70	ND	6575.94		
MW-12	9.22.16	ND	27.71	ND	6605.01	6577.30
	12.12.16	ND	27.60	ND		6577.41
	7.06.17	ND	28.32	ND		6576.69
	12.12.17	ND	28.82	ND		6576.19
	6.28.18	ND	29.23	ND		6575.78
	1.21.19**	ND	28.22	ND		6576.79
	8.29.19	ND	28.51	ND		6576.50
	12.26.19	ND	28.85	ND		6576.16
	5.19.20	ND	29.56	ND		6575.45
	12.8.20	ND	29.78	ND		6575.23
	5.12.21	ND	30.21	ND		6574.80
	11.29.21	ND	28.62	ND		6576.39
	5.23.22	ND	29.28	ND		6575.73
11.29.22	Well Destroyed					
5.30.23	Well Destroyed					
12.12.23	Well Destroyed					
MW-12R	12.2.24	ND	29.14	ND	6605.80	6575.87



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-13	9.22.16	ND	33.60	ND	6607.61	6574.01
	12.12.16	ND	35.10	ND		6572.51
	7.06.17	ND	31.47	ND		6576.14
	12.12.17	ND	31.42	ND		6576.19
	6.28.18	ND	31.65	ND		6575.96
	1.21.19**	ND	31.81	ND		6575.80
	8.29.19	ND	32.00	ND		6575.61
	12.26.19	ND	31.64	ND		6575.97
	5.19.20	ND	32.23	ND		6575.38
	12.8.20	ND	32.48	ND		6575.13
	5.12.21	ND	32.68	ND		6574.93
	11.29.21	ND	33.13	ND		6574.48
	5.23.22	ND	33.22	ND		6574.39
	11.29.22	ND	33.25	ND		6574.36
	5.30.23	ND	33.52	ND		6574.09
12.12.23	ND	32.92	ND	6574.69		
5.14.24	ND	32.96	ND	6574.65		
12.2.24	ND	33.26	ND	6574.35		
MW-18	12.8.20	ND	34.25	ND	6605.35	6571.10
	5.12.21	ND	33.24	ND		6572.11
	11.29.21	ND	33.33	ND		6572.02
	5.23.22	ND	33.16	ND		6572.19
	11.29.22	ND	32.96	ND		6572.39
	5.30.23	ND	32.61	ND		6572.74
	12.12.23	ND	33.90	ND		6571.45
	5.14.24	ND	33.59	ND		6571.76
	12.2.24	ND	32.60	ND		6572.75
MW-19	12.8.20	ND	34.04	ND	6604.17	6570.13
	5.12.21	ND	31.35	ND		6572.82
	11.29.21	ND	30.55	ND		6573.62
	5.23.22	ND	30.62	ND		6573.55
	11.29.22	ND	28.34	ND		6575.83
	5.30.23	ND	27.86	ND		6576.31
	12.12.23	ND	29.26	ND		6574.91
	5.14.24	ND	29.44	ND		6574.73
12.2.24	ND	30.08	ND	6574.09		



**TABLE 3**  
**GROUNDWATER ELEVATIONS**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	TOC Elevations (feet AMSL)	Groundwater Elevation <sup>1</sup> (feet AMSL)
MW-21	12.8.20	DRY	DRY	DRY	6609.02	DRY
	5.12.21	DRY	DRY	DRY		DRY
	11.29.21	DRY	DRY	DRY		DRY
	5.23.22	DRY	DRY	DRY		DRY
	11.29.22	DRY	DRY	DRY		DRY
	5.30.23	DRY	DRY	DRY		DRY
	12.12.23	DRY	DRY	DRY		DRY
	5.14.24	DRY	DRY	DRY		DRY
12.2.24	DRY	DRY	DRY	DRY	DRY	
MW-22	11.29.22	ND	33.10	ND	6605.49	6572.39
	5.30.23	ND	32.74	ND		6572.75
	12.12.23	ND	32.96	ND		6572.53
	5.14.24	ND	32.80	ND		6572.69
	12.2.24	ND	32.77	ND		6572.72
MW-23	11.29.22	ND	38.62	ND	6608.00	6569.38
	5.30.23	ND	37.52	ND		6570.48
	12.12.23	ND	37.28	ND		6570.72
	5.14.24	ND	37.01	ND		6570.99
	12.2.24	ND	37.05	ND		6570.95
MW-24	11.29.22	ND	36.74	ND	6608.20	6571.46
	5.30.23	ND	36.78	ND		6571.42
	12.12.23	ND	36.43	ND		6571.77
	5.14.24	ND	36.32	ND		6571.88
	12.2.24	ND	36.38	ND		6571.82
MW-25	12.2.24	ND	31.87	ND	6608.30	6576.33

<sup>1</sup> = corrected for presence of phase-separated hydrocarbon, if applicable, using an estimated product specific gravity of 0.729

\*\* Interface probe malfunction during sampling event. Site gauged on 1/21/19

BTOC - below top of casing

AMSL - above mean sea level

TOC - top of casing

ND - Not detected

NA - Not applicable



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

**Monitoring Wells Installed by Animas Environmental Services, LLC**

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
SVE-1	10.8.13	Not Sampled - Damaged well screen						
SVE-1R	2.12.14	610	1,500	100	2,400	NA	NA	NA
	11.13.14	170	3.4	93	190	NA	NA	NA
	5.26.15	32	<5.0	93	59	NA	NA	NA
	12.2.15	220	69	57	180	NA	NA	NA
	6.14.16	150	<5.0	28	57	NA	NA	NA
	12.12.16	150	<5.0	64	190	3.5	1.6	<5.0
	7.06.17	63	<5.0	33	90	NA	NA	NA
	12.12.17	72	<5.0	26	72	NA	NA	NA
	6.28.18	3.8	<5.0	12	8.8	NA	NA	NA
	12.18.18*	5.6	1.9	12	38	NA	NA	NA
	8.29.19	26	2.2	6.4	20	NA	NA	NA
	12.27.19	45	<1.0	22	47	NA	NA	NA
	5.19.20	1.9	<1.0	3.4	4.7	NA	NA	NA
	12.8.20	2.2	<1.0	4.6	4.1	NA	NA	NA
	5.12.21	<1.0	<1.0	3.0	<2.0	NA	NA	NA
	11.29.21	<1.0	<1.0	1.6	<2.0	NA	NA	NA
	5.23.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11.30.22	<1.0	1.6	3.7	25	NA	NA	NA
	5.31.23	13	<1.0	<1.0	2.3	NA	NA	NA
12.13.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
5.15.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
12.3.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

SVE-2	10.8.13	1,600	180	270	4,200	18	15	<5.0
	2.12.14	1,500	100	360	3,100	NA	NA	NA
	11.13.14	1,300	110	270	1,900	NA	NA	NA
	5.27.15	1,600	<50	340	2,300	NA	NA	NA
	12.2.15	1,200	<50	280	2,400	NA	NA	NA
	6.14.16	1,200	<50	250	2,500	NA	NA	NA
	12.12.16	1,100	<50	330	3,200	16	13	<5.0
	7.06.17	810	<50	190	1,900	NA	NA	NA
	12.13.17	1,100	<50	200	1,800	NA	NA	NA
	6.28.18	1,200	<50	250	2,100	NA	NA	NA
	12.18.18*	970	<50	170	1,400	NA	NA	NA
	8.29.19	810	<50	220	2,200	NA	NA	NA
	12.30.19	960	<20	220	2,000	NA	NA	NA
	5.19.20	1,000	<20	320	2,600	NA	NA	NA
	12.8.20	900	<5.0	240	1,500	NA	NA	NA
	5.12.21	650	<5.0	170	1,100	NA	NA	NA
	11.29.21	560	<2.0	140	1,200	NA	NA	NA
	5.23.22	630	<2.0	180	1,400	NA	NA	NA
	11.30.22	900	<20	260	1,900	NA	NA	NA
	5.31.23	420	<20	270	2,900	NA	NA	NA
12.13.23	360	<20	210	2,000	NA	NA	NA	
5.15.24	370	<20	160	1,100	NA	NA	NA	
12.3.24	610	<2.0	340	2,500	NA	NA	NA	



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

SVE-3	10.8.13	110	450	210	2,000	20	9.3	<5.0
	2.12.14	78	170	160	1,500	NA	NA	NA
	11.13.14	12	6.5	68	140	NA	NA	NA
	5.26.15	3.2	<5.0	100	<10	NA	NA	NA
	12.2.15	<5.0	<5.0	91	<10	NA	NA	NA
	6.14.16	<5.0	<5.0	78	57	NA	NA	NA
	12.12.16	14	<5.0	95	140	8.1	5.5	<5.0
	7.06.17	6.7	<5.0	110	170	NA	NA	NA
	12.12.17	3.8	<2.5	42	11	NA	NA	NA
	6.28.18	3.7	<5.0	60	11	NA	NA	NA
	12.18.18*	9.3	5.6	110	150	NA	NA	NA
	8.29.19	4.4	<5.0	94	170	NA	NA	NA
	12.27.19	9.4	<1.0	150	220	NA	NA	NA
	5.19.20	2.5	<2.0	110	130	NA	NA	NA
	12.8.20	11	<2.0	150	160	NA	NA	NA
	5.12.21	7.6	<2.0	120	130	NA	NA	NA
	11.29.21	9.1	<2.0	120	170	NA	NA	NA
	5.23.22	43	140	150	380	NA	NA	NA
	11.30.22	140	560	290	1,800	NA	NA	NA
	5.31.23	180	740	450	2,900	NA	NA	NA
12.12.23	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	
5.15.24	26	94	57	1,100	NA	NA	NA	
12.3.24	47	130	83	1,100	NA	NA	NA	



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-1	2.12.14	<1	<1	<1	<3	NA	NA	NA
	11.13.14	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.26.15	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.2.15	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	6.14.16	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	7.06.17	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.17	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	6.28.18	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	12.18.18*	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	8.29.19	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.27.19	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.19.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	12.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.12.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	11.29.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.23.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11.29.22	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
5.31.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
12.12.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
12.3.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
MW-1R	12.3.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-2	2.12.14	2,300	1,500	350	3,600	NA	NA	NA
	11.13.14	1,600	520	220	2,500	NA	NA	NA
	5.27.15	2,600	530	370	3,600	NA	NA	NA
	12.2.15	980	<50	240	2,600	NA	NA	NA
	6.14.16	1,800	<50	380	4,500	NA	NA	NA
	12.12.16	2,800	<50	390	4,700	26	7.1	<5.0
	7.06.17	2,100	<50	410	4,800	NA	NA	NA
	12.13.17	1,300	<50	160	1,800	NA	NA	NA
	6.28.18	1,700	<50	240	2,500	NA	NA	NA
	12.18.18*	2,100	<50	210	2,200	NA	NA	NA
	8.29.19	1,500	<50	180	2,100	NA	NA	NA
	12.30.19	2,600	<20	300	2,900	NA	NA	NA
	5.19.20	1,500	<50	240	2,600	NA	NA	NA
	12.8.20	1,100	<5.0	140	1,300	NA	NA	NA
	5.12.21	1,200	<5.0	170	1,100	NA	NA	NA
	11.29.21	1,600	<5.0	180	1,100	NA	NA	NA
	5.23.22	1,800	<5.0	200	1,200	NA	NA	NA
	11.30.22	970	<50	260	1,800	NA	NA	NA
	5.31.23	670	<50	170	1,400	NA	NA	NA
	12.13.23	470	<50	120	1,200	NA	NA	NA
5.15.24	420	<50	79	410	NA	NA	NA	
12.3.24	1,000	<5.0	310	2,700	NA	NA	NA	



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
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 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-3	2.12.14	Not Sampled - Well Dry						
	11.13.14							
	5.26.15							
	12.2.15							
	6.14.16							
	12.12.16							
	7.06.17							
	12.12.17							
	6.28.18							
	12.18.18*							
	8.29.19							
	12.30.19							
	5.19.20							
	12.8.20							
	5.12.21							
	11.29.21							
	5.23.22							
	11.29.22							
5.30.23								
12.12.23								
5.14.24								



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-4	2.12.14	Not Sampled - Well Dry						
	11.13.14							
	5.26.15							
	12.2.15							
	6.14.16							
	12.12.16							
	7.06.17							
	12.12.17							
	6.28.18							
	12.18.18*							
	8.29.19							
	12.30.19							
	5.19.20							
	12.8.20							
	5.12.21							
	11.29.21							
	5.23.22							
	11.29.22							
5.30.23								
12.12.23								
5.14.24								



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-5	2.12.14	1,100	2,900	220	1,900	NA	NA	NA
	11.13.14	Not Sampled - Insufficient volume to collect sample						
	5.26.15							
	12.2.15							
	6.14.16							
	12.12.16							
	7.06.17							
	12.13.17							
	6.28.18							
	12.18.18*							
	8.29.19							
	12.30.19							
	5.19.20							
	12.8.20							
	5.12.21							
	11.29.21							
	5.23.22							
	11.29.22							
5.30.23								
12.12.23								
5.14.24								



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

**Monitoring Wells Installed by APEX TITAN, INC.**

MW-11	9.22.16	320	240	300	3,700	NA	NA	NA
	12.12.16	430	140	450	5,000	23	1.4	<5.0
	7.06.17	390	110	390	4,200	NA	NA	NA
	12.12.17	520	170	310	3,100	NA	NA	NA
	6.28.18	590	320	350	3,400	NA	NA	NA
	12.18.18*	590	<50	280	3,000	NA	NA	NA
	8.29.19	130	<50	230	2,800	NA	NA	NA
	12.30.19	270	<20	300	3,200	NA	NA	NA
	5.19.20	260	42	490	5,400	NA	NA	NA
	12.8.20	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
	5.12.21	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
	11.29.21	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
	5.23.22	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
	11.29.22	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
	5.31.23	370	<50	310	4,400	NA	NA	NA
	12.12.23	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
5.15.24	460	<20	180	2,600	NA	NA	NA	
12.3.24	580	20	440	5,100	NA	NA	NA	
MW-12	9.22.16	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	7.06.17	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.17	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	6.28.18	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	12.18.18*	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	8.29.19	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.27.19	<1.0	<1.0	11	16	NA	NA	NA
	5.19.20	<1.0	<1.0	<1.0	6.4	NA	NA	NA
	12.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.19.20	<1.0	<1.0	<1.0	6.4	NA	NA	NA
	12.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.12.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	11.29.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
5.23.22 <sup>B</sup>	Well Destroyed							
MW-12R	12.3.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

MW-13	9.22.16	150	1,600	270	2,400	NA	NA	NA
	01.06.17	120	660	53	880	NA	NA	NA
	7.06.17	55	290	46	470	NA	NA	NA
	12.12.17	58	110	19	150	NA	NA	NA
	6.28.18	8.5	7.5	5.9	36	NA	NA	NA
	12.18.18*	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	8.29.19	1.6	<1.0	1.1	<2.0	NA	NA	NA
	12.27.19	1.5	1.0	1.2	3.0	NA	NA	NA
	5.19.20	<1.0	1.3	2.5	2.7	NA	NA	NA
	12.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.12.21	2.3	<1.0	1.1	3.0	NA	NA	NA
	11.29.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.23.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11.29.22	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.31.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
12.3.24	1.2	<1.0	<1.0	<2.0	NA	NA	NA	



**TABLE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
 Enterprise Field Services, LLC  
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 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
New Mexico WQCC GQS		10 <sup>A</sup>	750 <sup>A</sup>	750 <sup>A</sup>	620 <sup>A</sup>	NE	NE	NE

**Monitoring Wells Installed by Ensolum, LLC**

MW-18	12.8.20	340	52	11	560	NA	NA	NA
	5.12.21	1,100	24	150	960	NA	NA	NA
	11.29.21	1,200	4.2	120	220	NA	NA	NA
	5.23.22	1,200	6.2	170	240	NA	NA	NA
	11.30.22	1,400	7.4	190	270	NA	NA	NA
	5.31.23	530	<50	70	100	NA	NA	NA
	12.13.23	610	25	57	400	NA	NA	NA
	5.15.24	950	90	110	800	NA	NA	NA
12.3.24	630	<5.0	85	150	NA	NA	NA	
MW-19	12.8.20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.12.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	11.29.21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.23.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11.30.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.30.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
12.2.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	
MW-21	12.8.20	Not Sampled - Insufficient volume to collect sample						
	5.12.21							
	11.29.21							
	5.23.22							
	11.29.22							
	5.30.23							
	12.12.23							
	5.14.24							



**TABLE 4**  
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 Enterprise Field Services, LLC  
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 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

Sample I.D.	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)
<b>New Mexico WQCC GQS</b>		<b>10<sup>A</sup></b>	<b>750<sup>A</sup></b>	<b>750<sup>A</sup></b>	<b>620<sup>A</sup></b>	<b>NE</b>	<b>NE</b>	<b>NE</b>
MW-22	11.30.22	3.0	<1.0	6.2	20	NA	NA	NA
	5.30.23	<b>36</b>	<1.0	94	33	NA	NA	NA
	12.13.23	<2.0	<2.0	<2.0	<4.0	NA	NA	NA
	5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.2.24	9.4	1.3	95	24	NA	NA	NA
MW-23	11.30.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.30.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.2.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-24	11.30.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	5.30.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.12.23	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	5.14.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	12.2.24	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
MW-25	12.3.24	<b>1,000</b>	<b>4,100</b>	370	<b>3,200</b>	NA	NA	NA

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

A = NMAC 20.6.2 was amended (12/21/18). This table reflects the GQS standards indicated in the approved Stage 1 Abatement Plan.

B - Monitoring well was destroyed due to erosion.

\* Interface probe malfunction during sampling event. Site gauged on 1/21/19

µg/L = microgram per liter

mg/L = milligram per liter

NAPL = Non-aqueous phase liquid

NA = Not Analyzed

NE = Not Established

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

<1.0= the numeral (in this case "1.0") identifies the laboratory reporting or practical quantitation limit



## APPENDIX C

# Soil Boring Logs and Monitoring Well Construction Details





**BORING LOG MW-1R**

**ENSOLUM**

<b>PROJECT NAME</b> Lateral K-12 / 05B1226001	<b>DRILLER</b> Ryan Begay
<b>CLIENT</b> Enterprise	<b>DRILL RIG</b> CME 7500
<b>LOCATION</b> Rio Arriba County, 36.554411, -107.54	<b>DRILLING METHOD</b> HSA w/ SPT
<b>DRILLING DATE</b> 10/22/2024	<b>TOTAL DEPTH</b> 38ft bgs / well @ 15-30ft
<b>DRILLING COMPANY</b> Envirodrill	<b>DIAMETER</b> 6"
<b>LOGGED BY</b> Wes Weichert	

<b>SURFACE COMPLETION</b> Steel Monument	<b>CASING</b> 2"	<b>WELL MATERIALS</b> PVC
--	------------------	---------------------------

**COMMENTS**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
1							ML	Surface Soil: SANDY SILT - light brown, very fine to fine sand, well sorted, loose and unconsolidated, slightly moist, no odor	
2									
3									
4									
5									
6								Hydro-Excavate to 11ft bgs *No Samples	
7									
8									
9									
10									
11	13:05	11-13	2-2-3	90%	10.4 ppm	slightly moist	SM	SILTY & CLAYEY SAND - light to medium brown, very fine to fine, well sorted, subrounded, soft & unconsolidated, slightly moist, no odor	
12									
13									
14									
15									
16		16-18	4-4-5	100%	9.6 ppm	slightly moist	SC	CLAYEY SAND - medium brown to tan, very fine to medium, well sorted, soft to firm, unconsolidated, slightly moist, some rootlets, no odor	
17									
18									
19									
20									

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



BORING LOG MW-1R

**ENSOLUM**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PIV (ppm)	Moisture	USCS	Geologic Description	Well Completion
21	13:14	21-23	6-8-23	100%	4.6 ppm	slightly moist to dry	SM	SILTY SAND - gray to tan with orange stain, fine to medium, little coarse, moderate to well sorted, grades to poorly graded	MW-1R Sand pack
22							SP	POORLY GRADED SAND - gray with orange stain, medium to coarse, firm & semi consolidated, no odor, slightly moist. As above, becoming coarse.	
23									
24									
25									
26	13:22	26-28	13-12-18	70%	6.5 ppm	slightly moist to dry	SP	SAA	MW-1R Sand pack
27							CL	*Sharp contact SANDY CLAY - dark gray, some sand, hard, consolidated, slightly moist, no odor	
28									
29									
30									
31		31-33	38+	10%	8.4 ppm	dry	ML	SILTSTONE - light gray, some fine sand, very hard, fissile, dry, no odor	MW-1R Backfill
32									
33									
34									
35									
36	13:40	36-38	50+	10%	5.3 ppm	dry	ML	SILTSTONE - as above, no odor, no visual hydrocarbon indicators	MW-1R Backfill
37									
38									
39								TD @ 38ft bgs. Backfill to 30ft Screen 15 to 30ft *No water observed during drilling.	
40									
41									
42									
43									
44									

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

Page 2 of 2



**BORING LOG MW-12R**

**ENSOLUM**

<b>PROJECT NAME</b> Lateral K-12 / 05B1226001	<b>DRILLER</b> Ryan Begay
<b>CLIENT</b> Enterprise	<b>DRILL RIG</b> CME 7500
<b>LOCATION</b> Rio Arriba County, 36.55438, -107.549	<b>DRILLING METHOD</b> HSA w/ SPT
<b>DRILLING DATE</b> 10/23/2024	<b>TOTAL DEPTH</b> 35ft bgs / well @ 19-34ft
<b>DRILLING COMPANY</b> Envirodrill	<b>DIAMETER</b> 6"
<b>LOGGED BY</b> Wes Weichert	

<b>SURFACE COMPLETION</b> Steel Monument	<b>CASING</b> 2"	<b>WELL MATERIALS</b> PVC
--	------------------	---------------------------

**COMMENTS**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
1							ML	SANDY SILT - light brown, very fine to fine sand, well sorted, unconsolidated and loose, dry, no odor	
2									
3									
4									
5									
6									
6								Hydro-Excavate to 12ft bgs *No Samples	
7									
8									
9									
10									
11									
12	9:10	12-14	5-4-5	60%	7.9 ppm	slightly moist	SM	SILTY SAND - light brown, fine to medium, well sorted, subrounded, firm, loose consolidation, slightly moist, no odor	
13									
14									
15									
16									
17									
17		17-19	2-5-6	100%	8.1 ppm	slightly moist	SM	SAA	
18							CH	SILTY CLAY - dark brown, firm to hard, well consolidated & sticky, high plasticity, slightly moist	
19									
20									

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



BORING LOG MW-12R

**ENSOLUM**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
20	9:38								
21									
22		22-24	5-7-15	100%	4.8 ppm	slightly moist	CH	SAA	
23							SC	CLAYEY SAND - gray with orange & white specks, fine to medium, moderate sorting, firm to hard, well consolidated, slightly moist, no odor	
24									
25									
26									
27	9:47	27-29	50+	20%	3.4 ppm	slightly moist	SM	SILTY SAND - medium brown-tan, fine grained, well sorted, firm to hard but friable, some clay, slightly moist, no odor	Sand pack
28								*Hard drilling	
29									
30									
31									
32	9:47	32-34	50+	5%	6.0 ppm	dry	SM	SILTY SANDSTONE - gray, very fine to fine, well sorted, hard but friable, dry, no odor	
33									
34									
35									
36								TD @ 35ft bgs. Set screen 19 to 34ft bgs *No water observed during drilling.	
37									
38									
39									
40									
41									
42									
43									
44									

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



**BORING LOG MW-25**

**ENSOLUM**

<b>PROJECT NAME</b> Lateral K-12 / 05B1226001	<b>DRILLER</b> Ryan Begay
<b>CLIENT</b> Enterprise	<b>DRILL RIG</b> CME 7500
<b>LOCATION</b> Rio Arriba County, 36.55394, -107.549	<b>DRILLING METHOD</b> HSA w/ SPT
<b>DRILLING DATE</b> 10/22/2024	<b>TOTAL DEPTH</b> 47.5ft bgs / well @ 15-30ft
<b>DRILLING COMPANY</b> Envirodrill	<b>DIAMETER</b> 6"
<b>LOGGED BY</b> Wes Weichert	

<b>SURFACE COMPLETION</b> Steel Monument	<b>CASING</b> 2"	<b>WELL MATERIALS</b> PVC
--	------------------	---------------------------

**COMMENTS**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
1							ML	Surface Soil: SANDY SILT - light brown-tan, very fine to fine sand, well sorted, unconsolidated and loose, slightly moist to moist, no odor	<p>Cement grout</p> <p>Bentonite</p>
2									
3									
4									
5									
6									
7								Hydro-Excavate to 10.5ft bgs *No Samples	
8									
9									
10									
11	9:30	11-13	6-9-9	50%	5.4 ppm	slightly moist	SM	SILTY SAND - light brown, very fine to fine, well sorted, sub-rounded, soft to firm, unconsolidated, trace caliche, slightly moist, no odor	
12									
13									
14									
15	9:42	15-17	4-6-7	90%	3.0 ppm	dry	SM	SILTY SAND - as above, becoming firm and dry, no odor	
16									<p>Sand pack</p>
17									
18									
19								* Hit rock or something hard	

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



BORING LOG MW-25

**ENSOLUM**


Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
20	9:57	20-22	9-16-19	80%	4.3 ppm	dry	SP	POORLY GRADED SAND - tan w/ orange stain, fine to medium, well sorted, poorly graded, subrounded, firm to hard, semi-consolidated, trace to little clay, quartz-rich, dry, no odor	<p>Sand pack</p>
21									
22									
23									
24									
25									
26	10:23	26-28	10-12-22	100%	4.8 ppm	moist	SP	POORLY GRADED SAND - As above, little coarser, FeO2 stain, moist, no odor, some clay  *Hard drilling & chatter	<p>Bentonite Backfill</p>
27									
28									
29									
30									
31	11:09	31-33	50+	20%	899 ppm	dry	ML	SILTSTONE - gray w/ orange stain, hard to very hard, well consolidated, dry, slight petro odor, some black stain, FeO2 stain	
32									
33									
34									
35									
36	11:09	36-38	50+	20%	790 ppm	dry	ML	SILTSTONE - as above, light gray, very hard and lithified, very slight petro odor	
37									
38									
39									
40									
41	11:09	41-43	50+	15%	576 ppm	dry	ML	SILTSTONE - as above, very hard, very slight petro odor	
42									
43									
44									

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



BORING LOG MW-25

**ENSOLUM**

Depth (feet)	Time	Sample Interval	SPT Blow Count	% Recovery	PID (ppm)	Moisture	USCS	Geologic Description	Well Completion
45	11:29	46-47	50+	20%	291 ppm	dry	ML	SILTSTONE - light gray, very hard, well consolidated, fissile, dry, very slight petro odor	 Bentonite Backfill
46									
47									
48								TD @ 47.5ft bgs. Backfill to 30ft bgs. Screen from 15 to 30ft bgs *No water observed during drilling.	
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									

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

Page 3 of 3



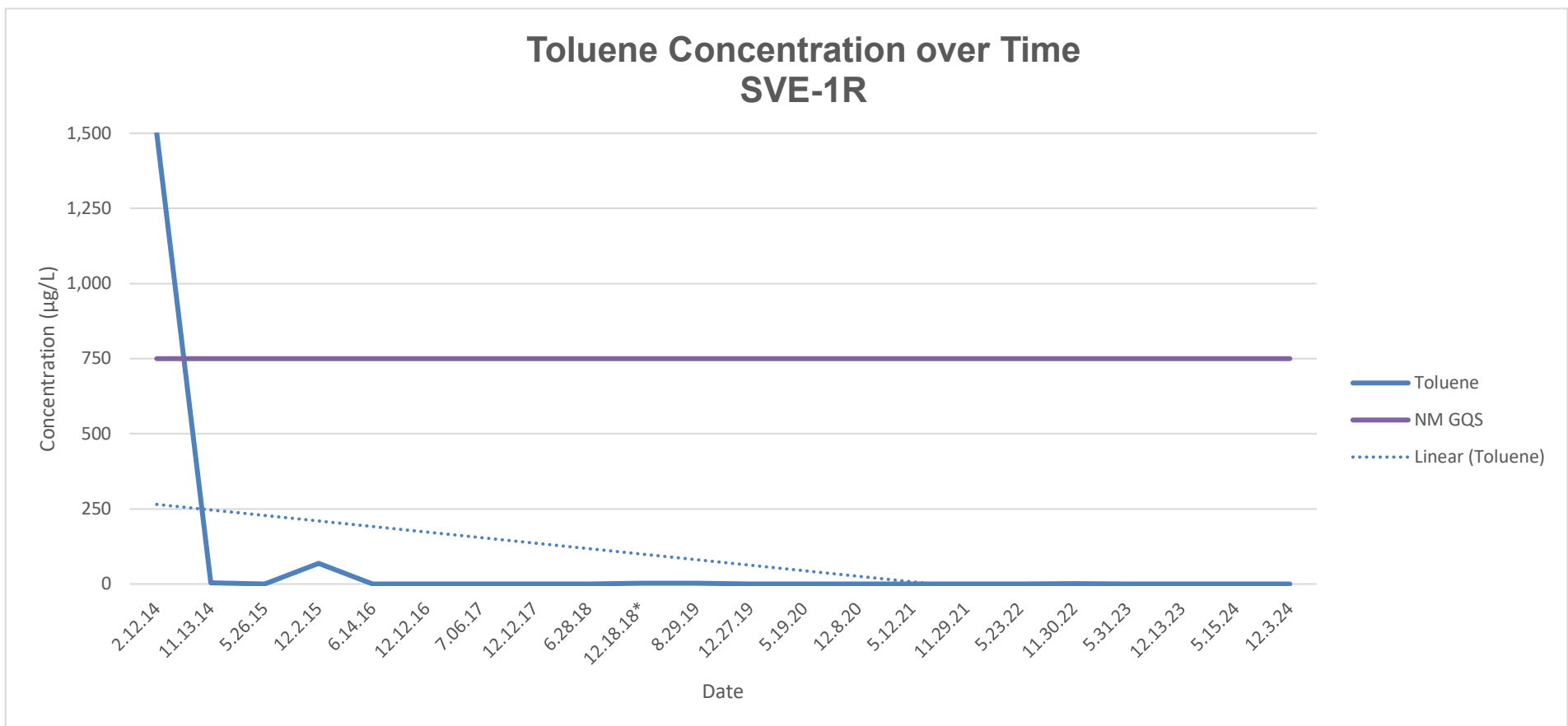
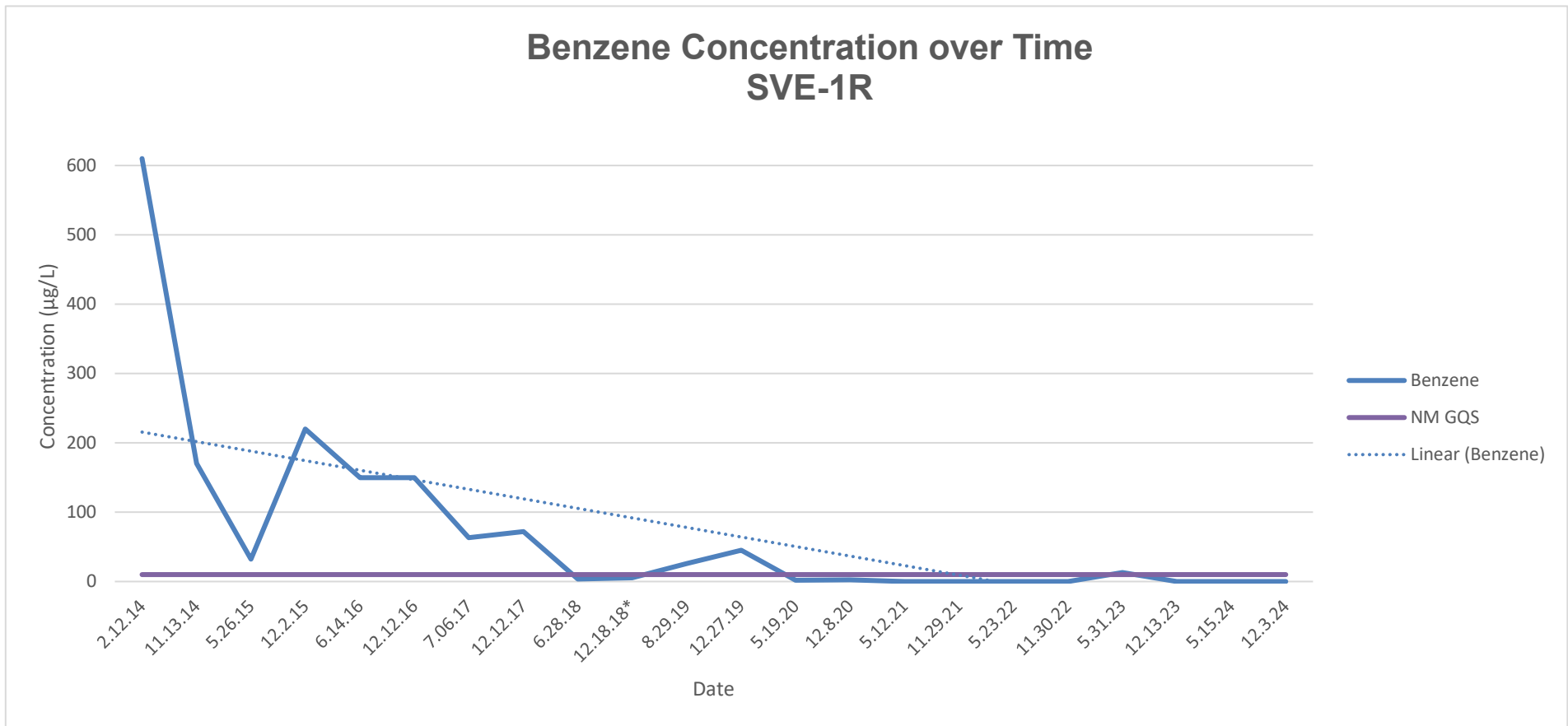
## APPENDIX D

# COC Graphs and Mann-Kendall Analyses



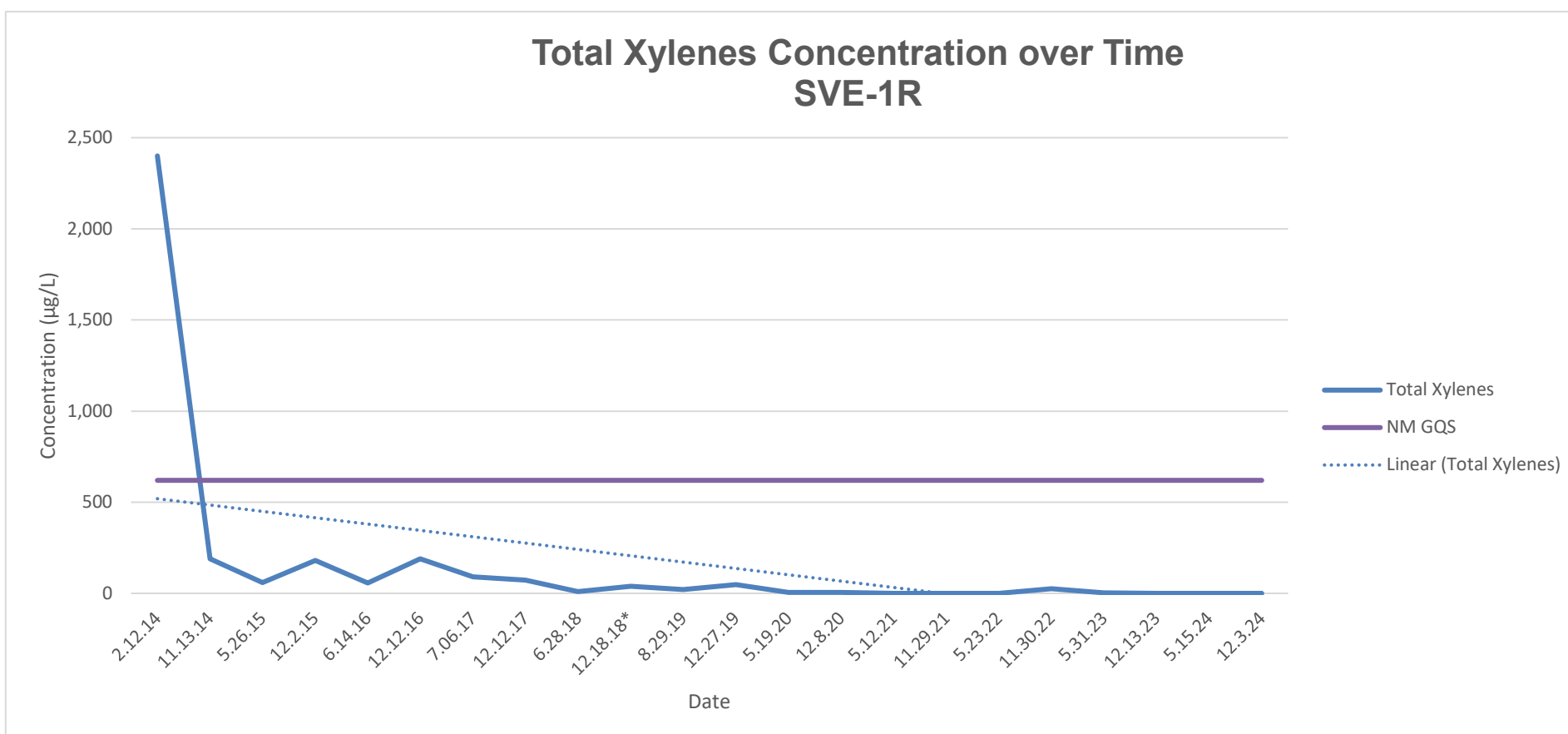
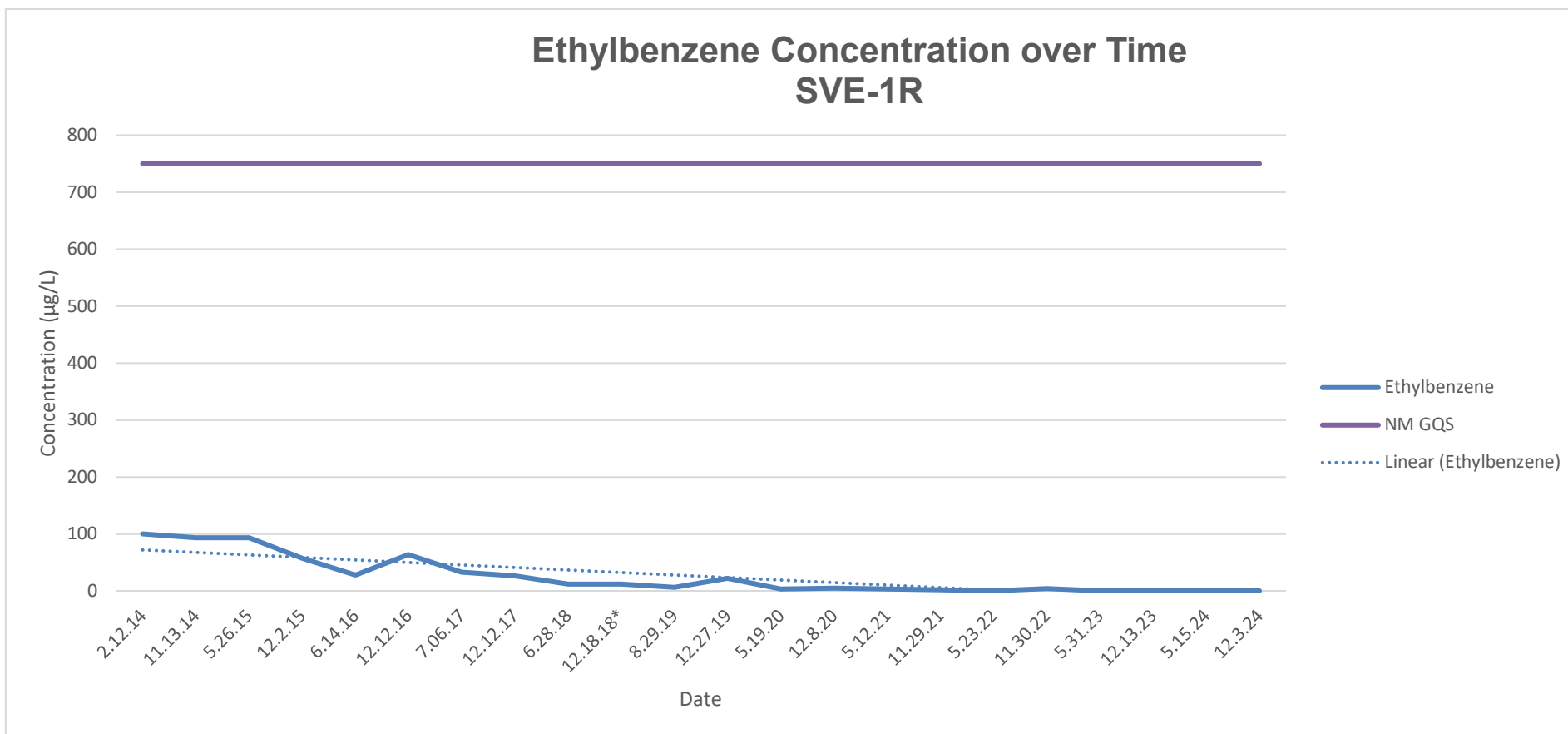


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-1R**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



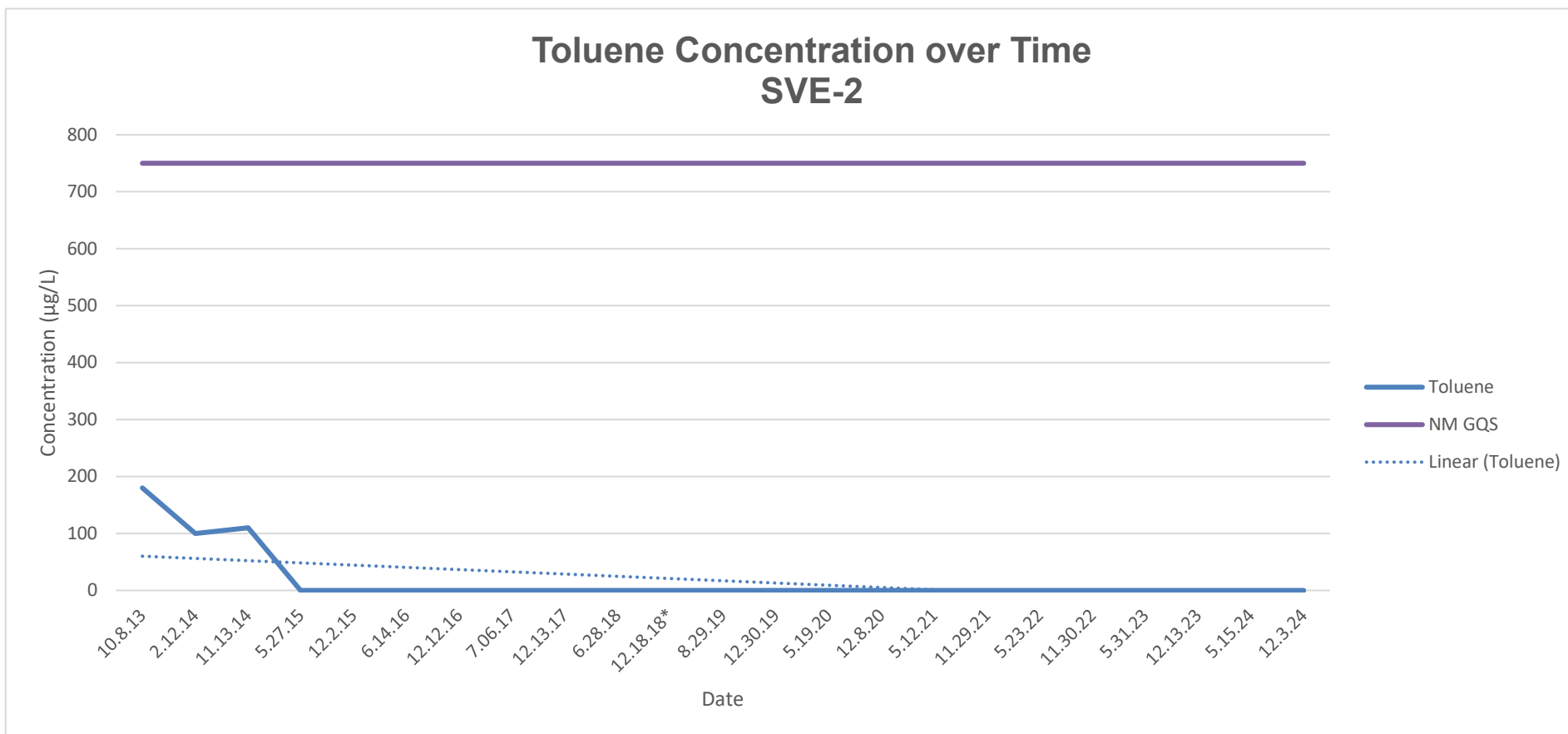
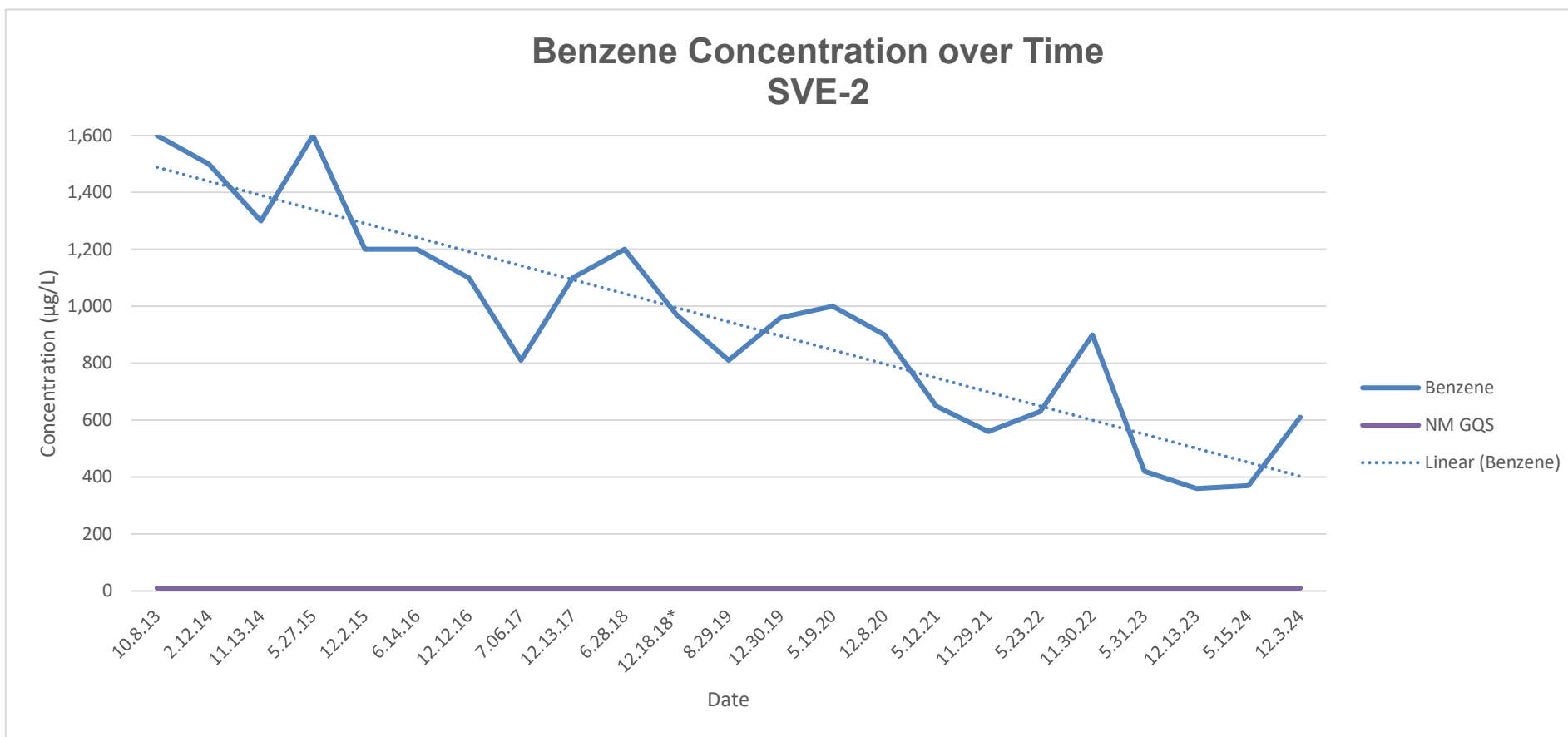


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-1R**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
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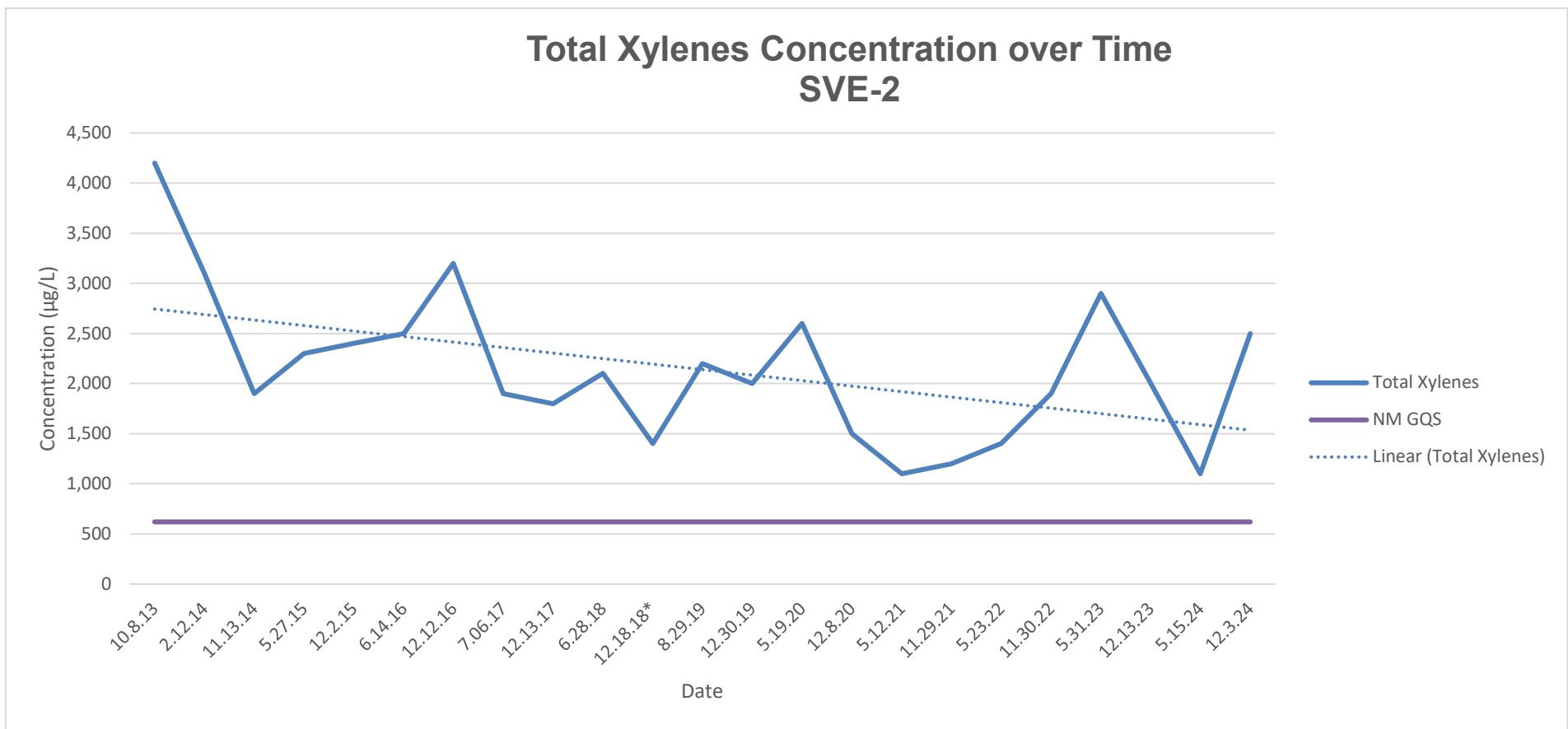
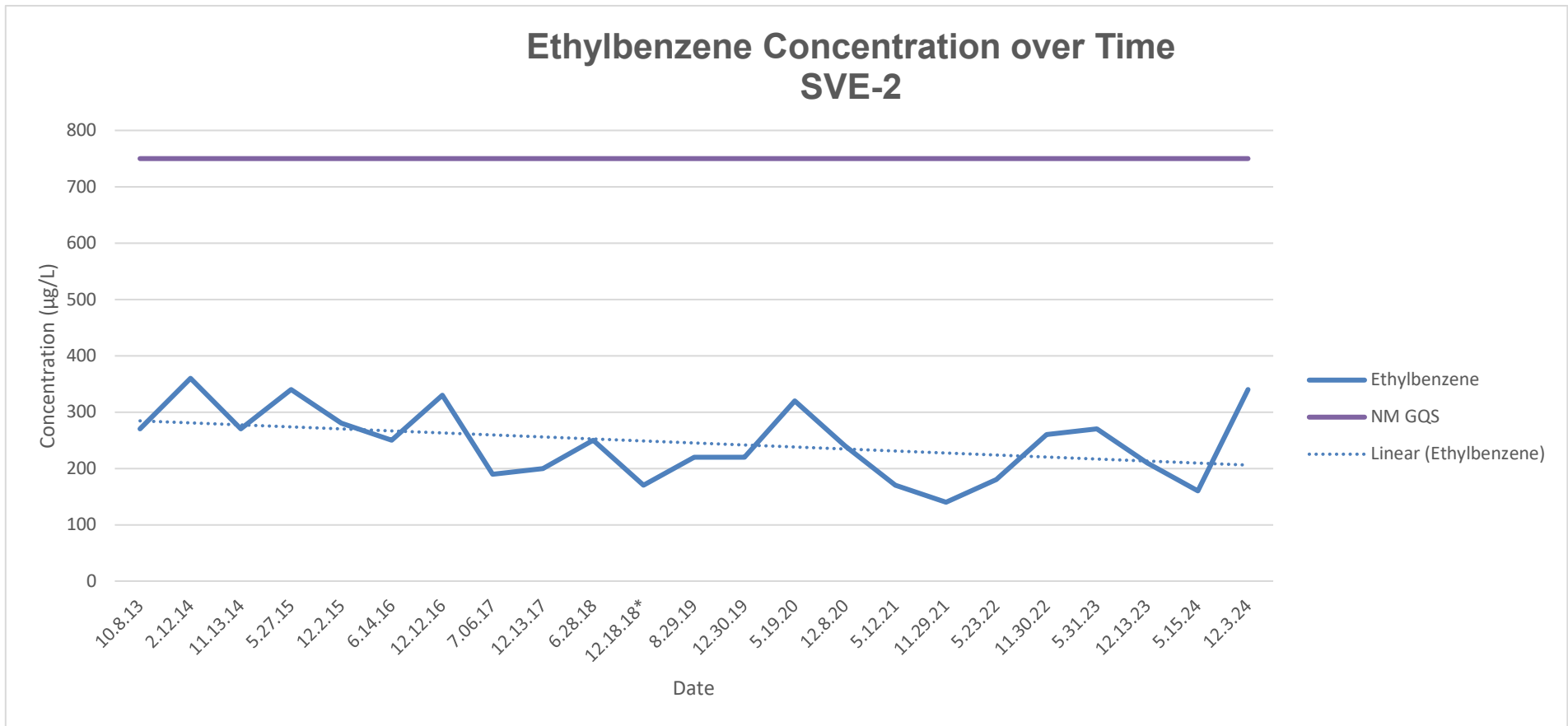


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-2**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



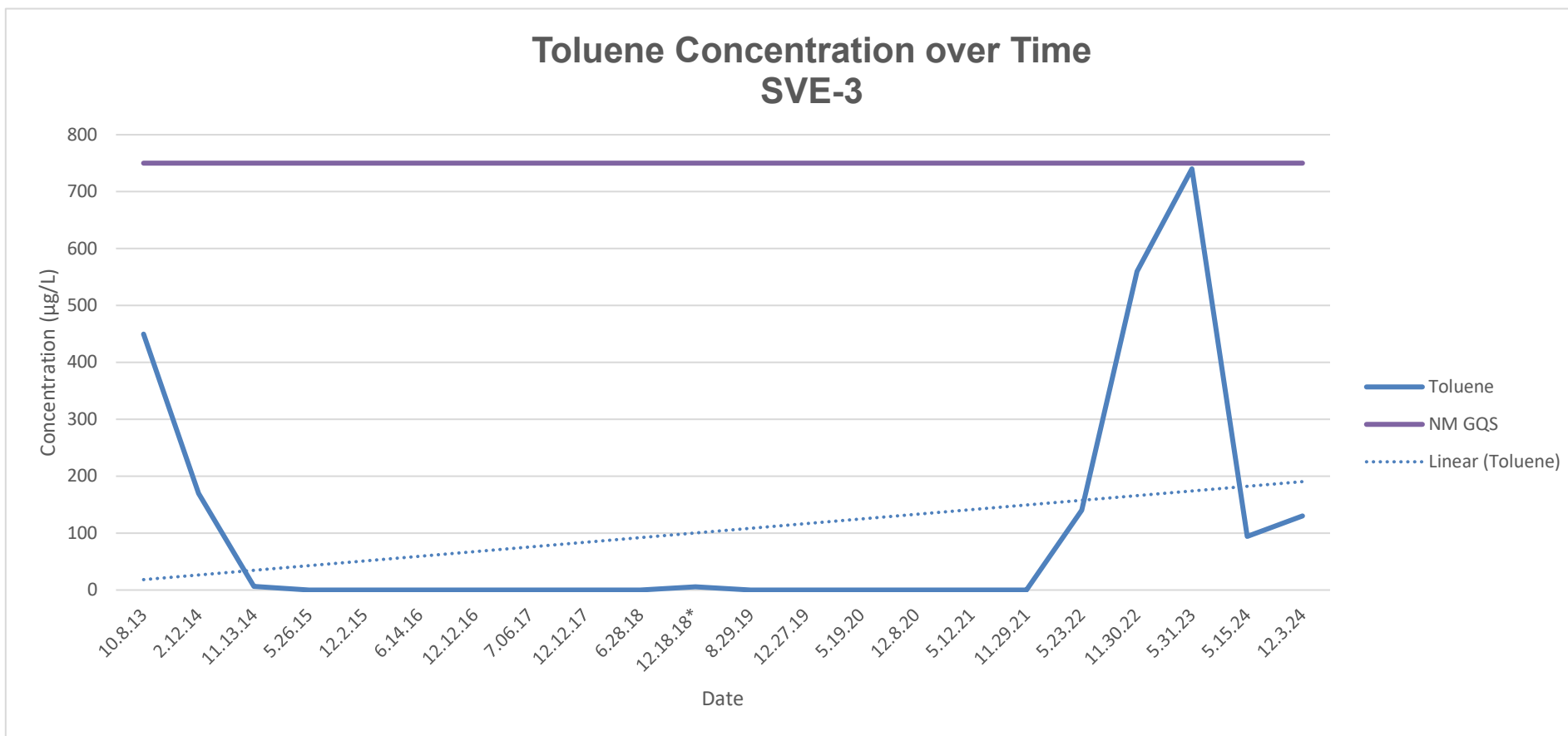
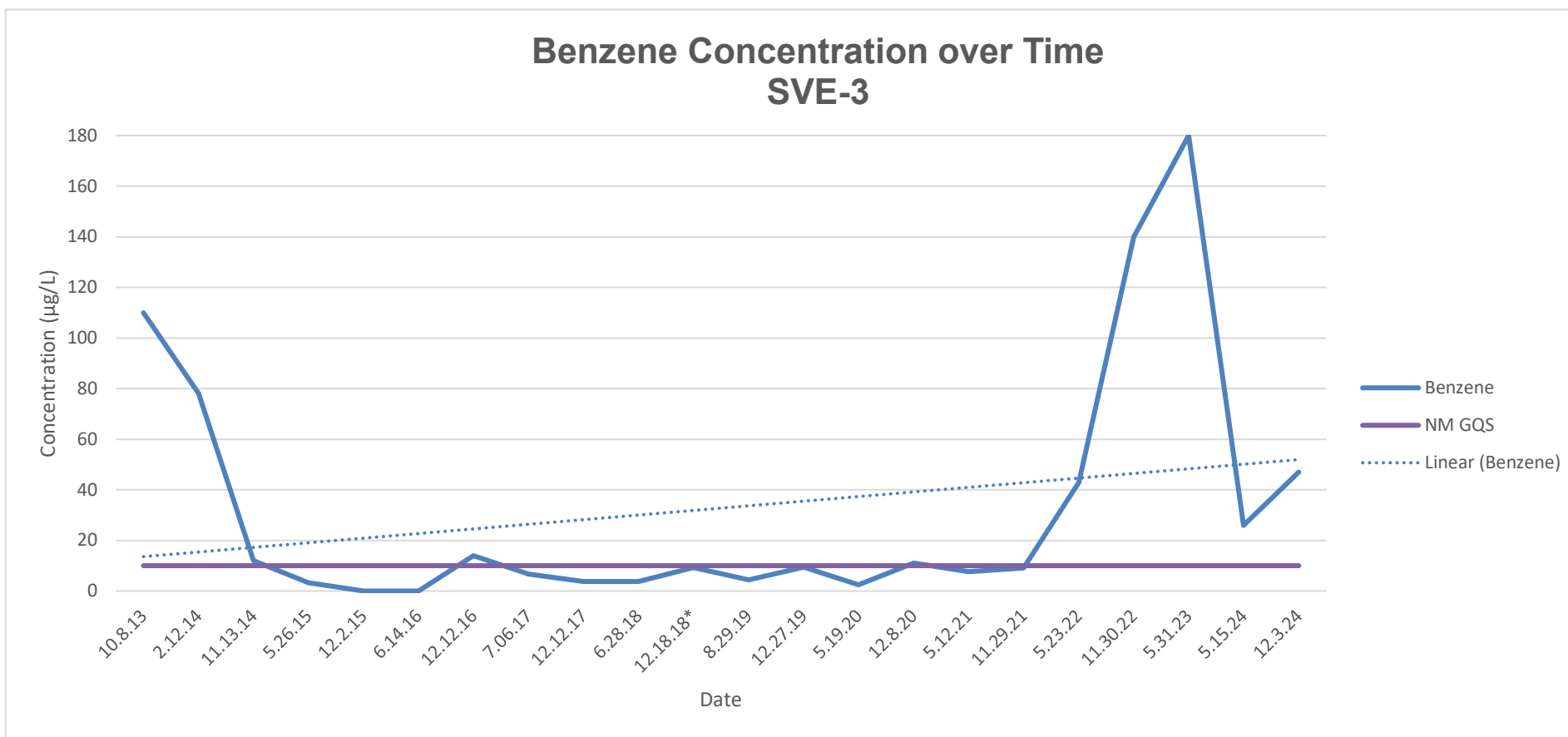


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-2**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



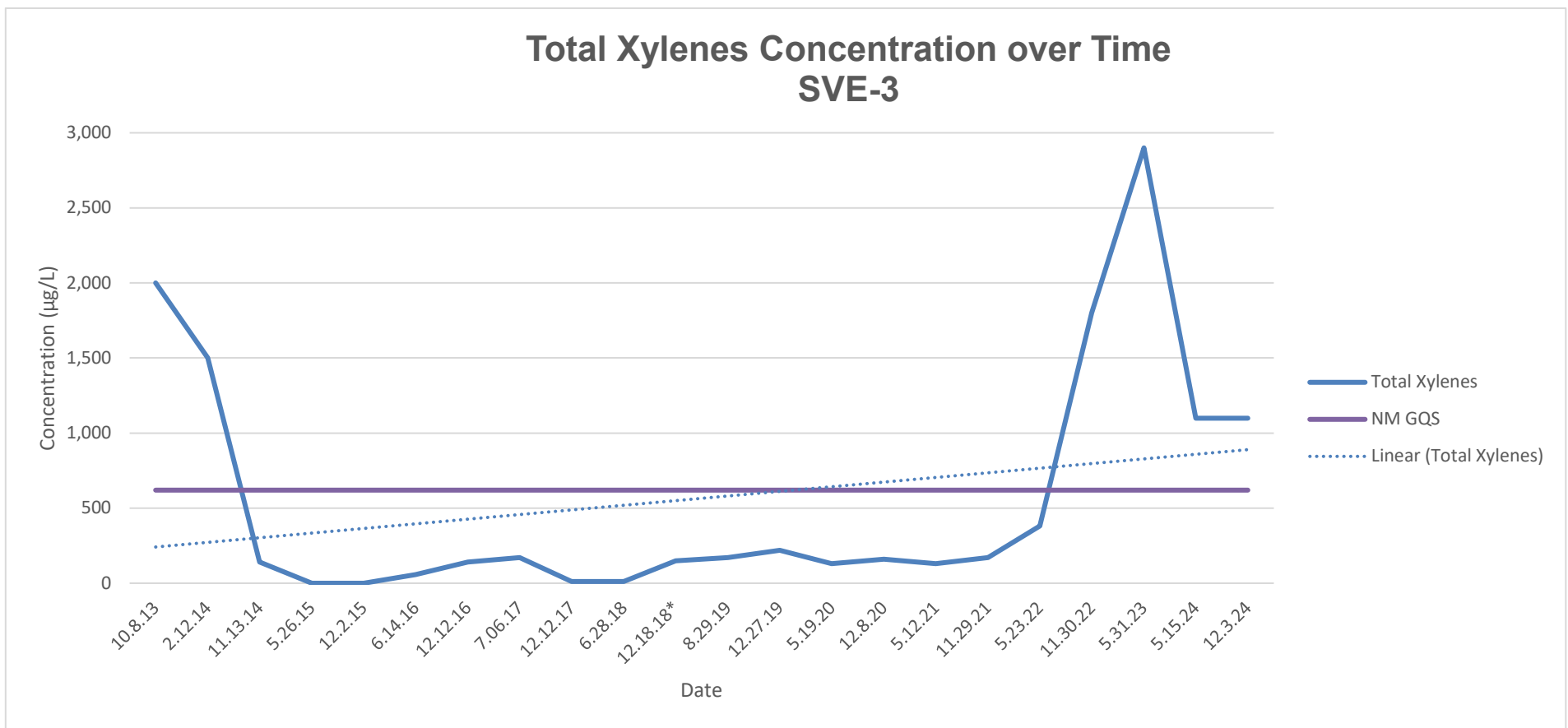
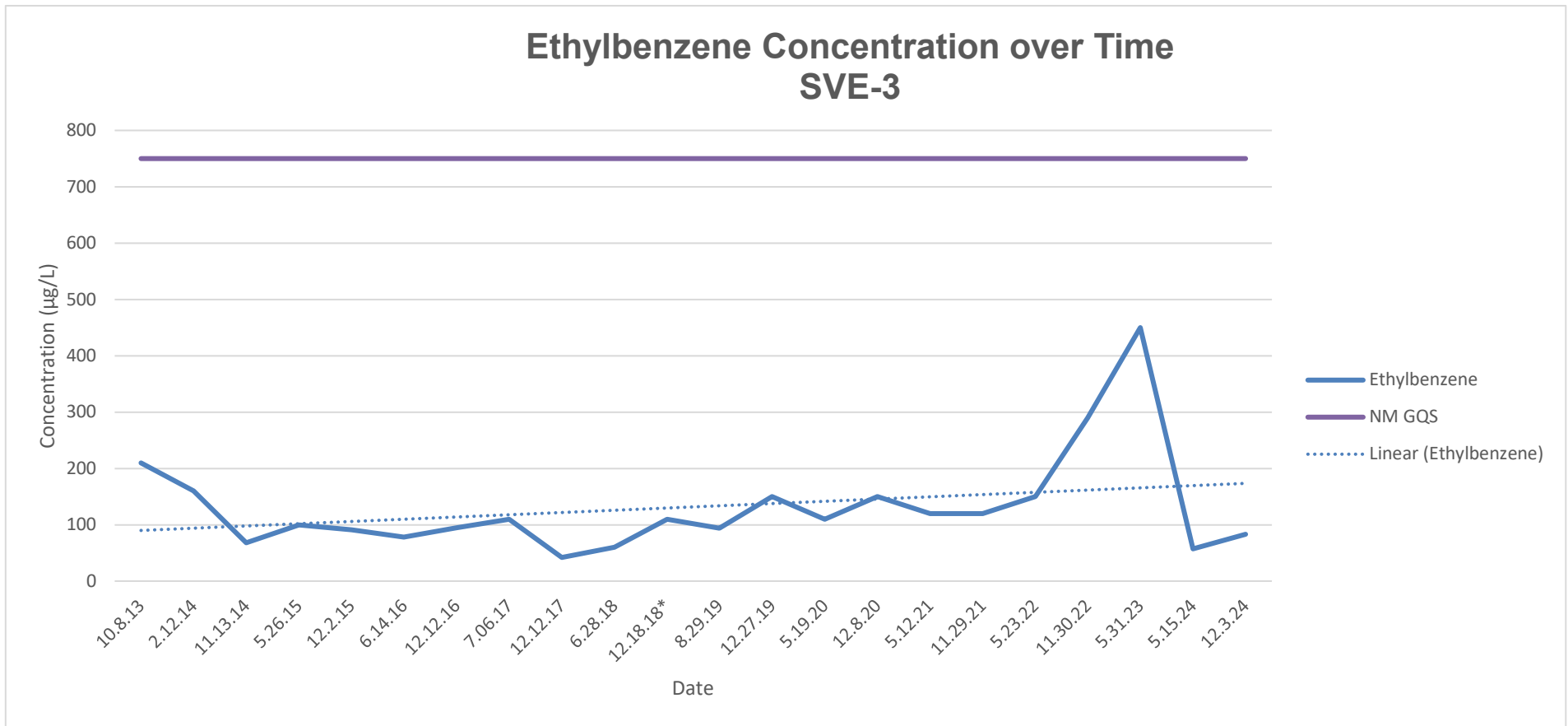


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-3**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
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 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



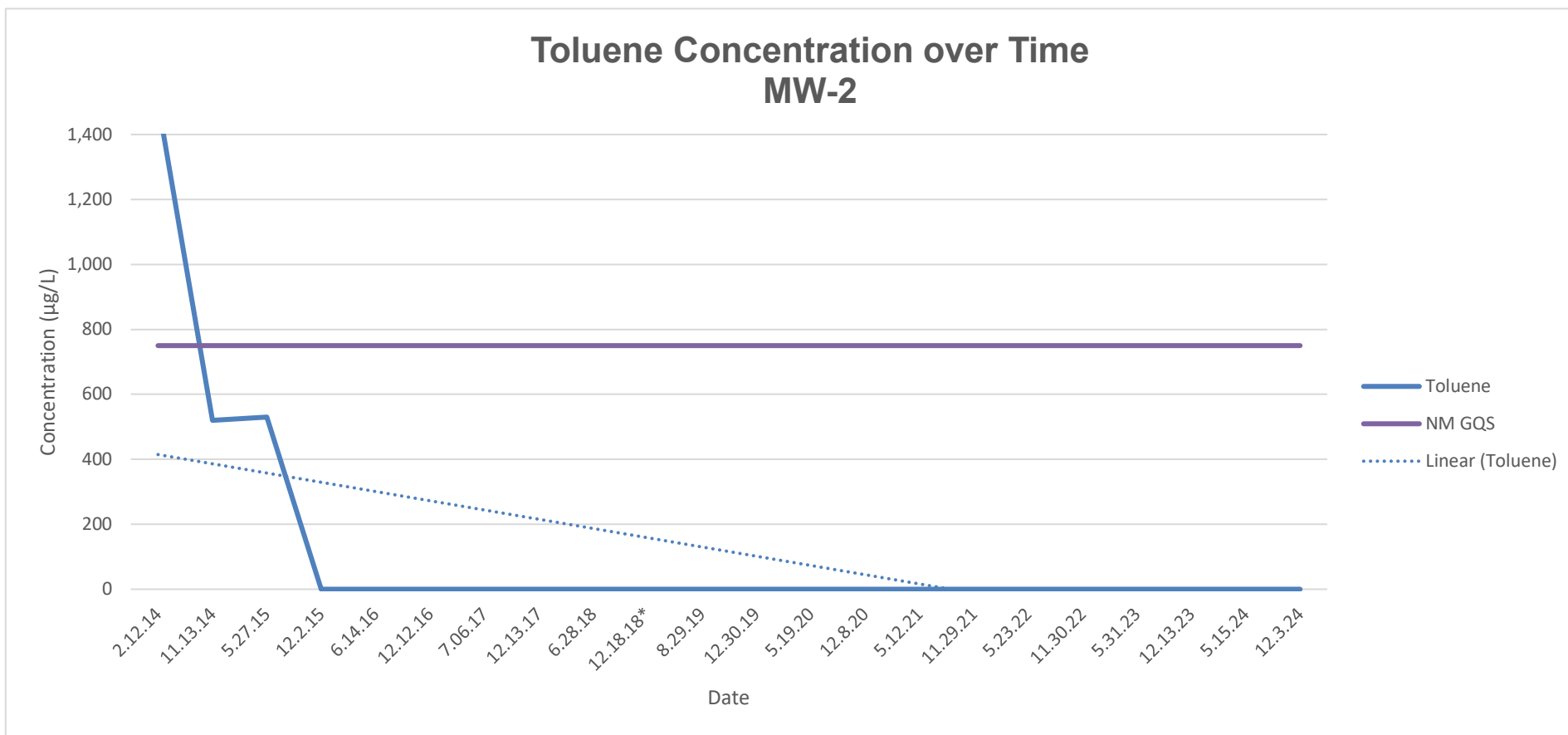
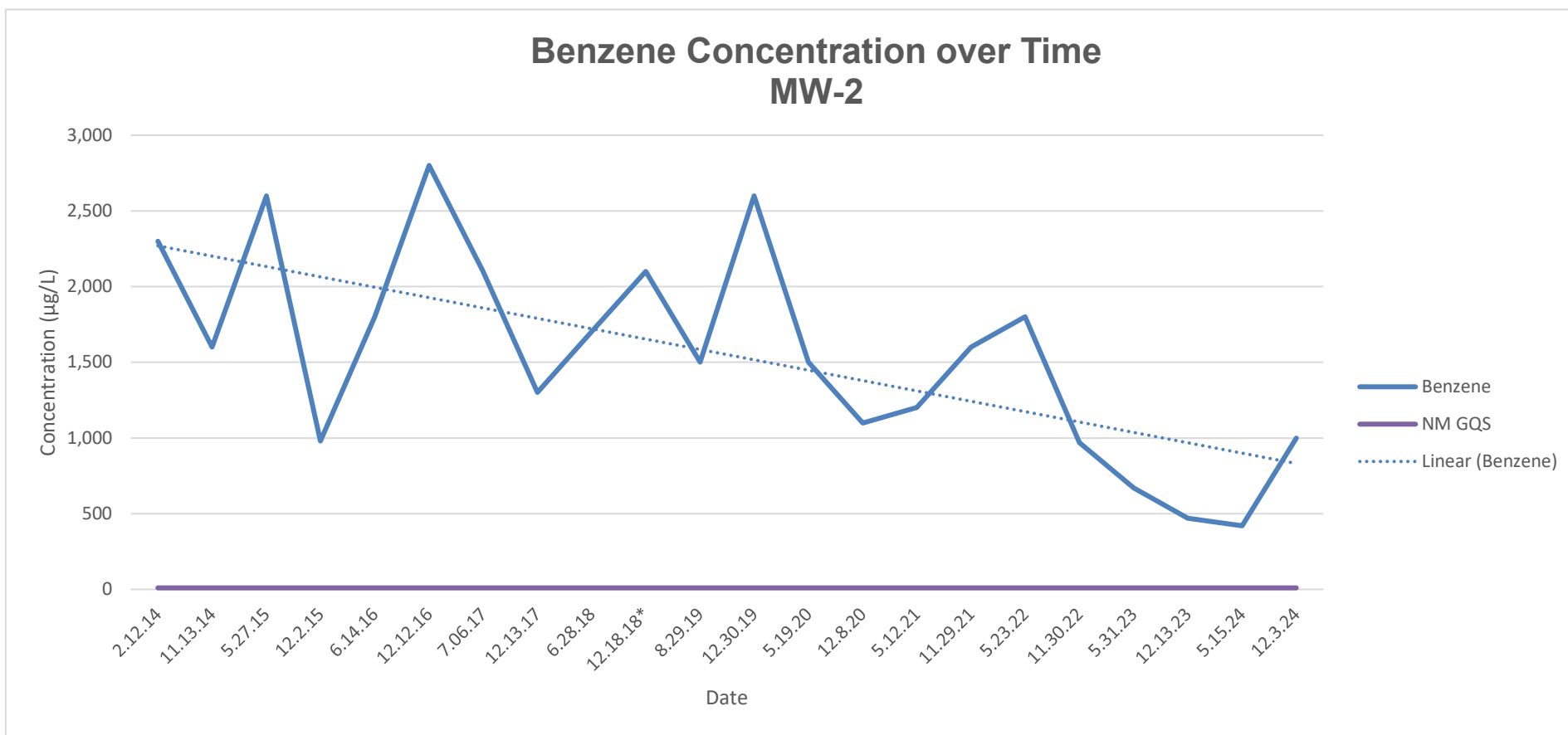


**GROUNDWATER COC CONCENTRATION TRENDS**  
**SVE-3**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
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 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



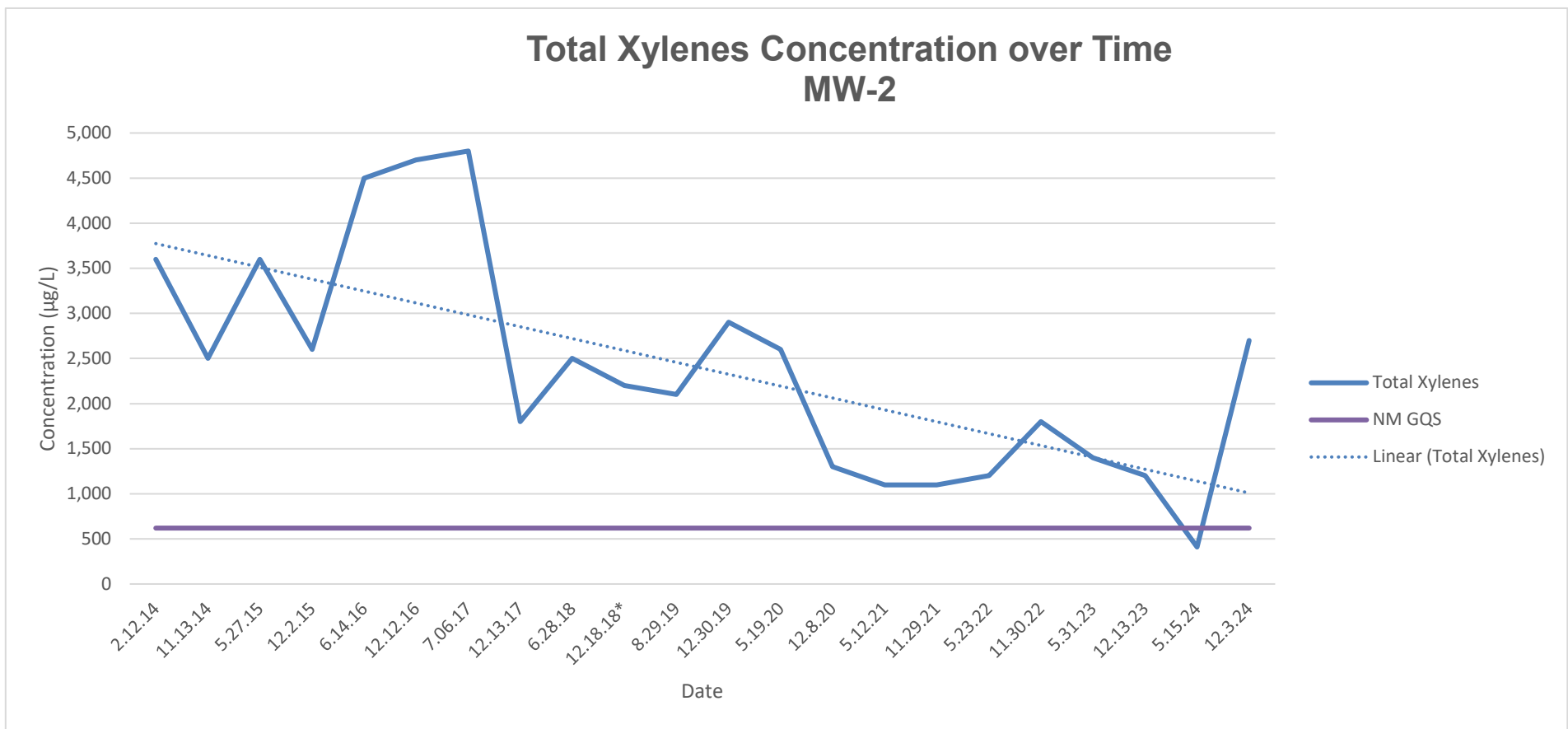
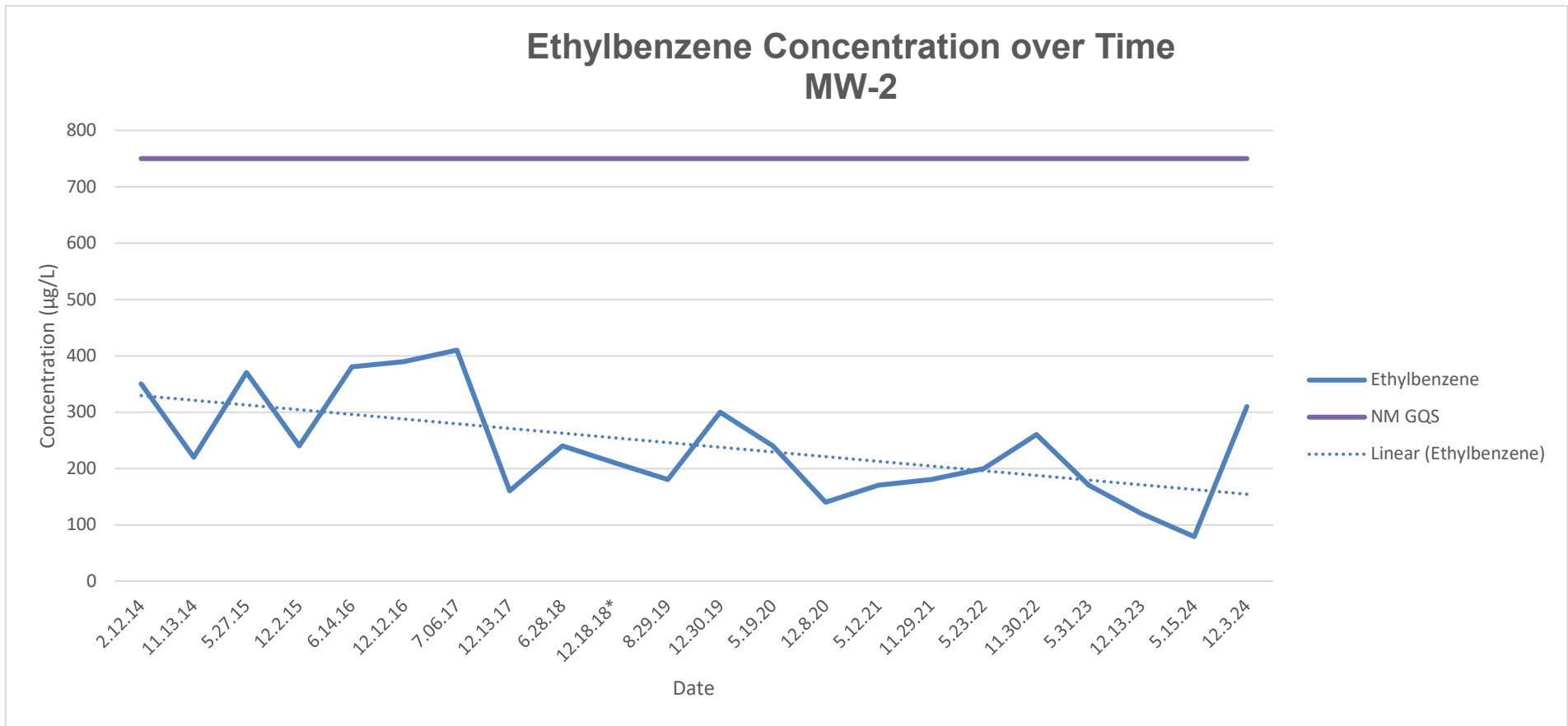


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-2**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW ¼, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



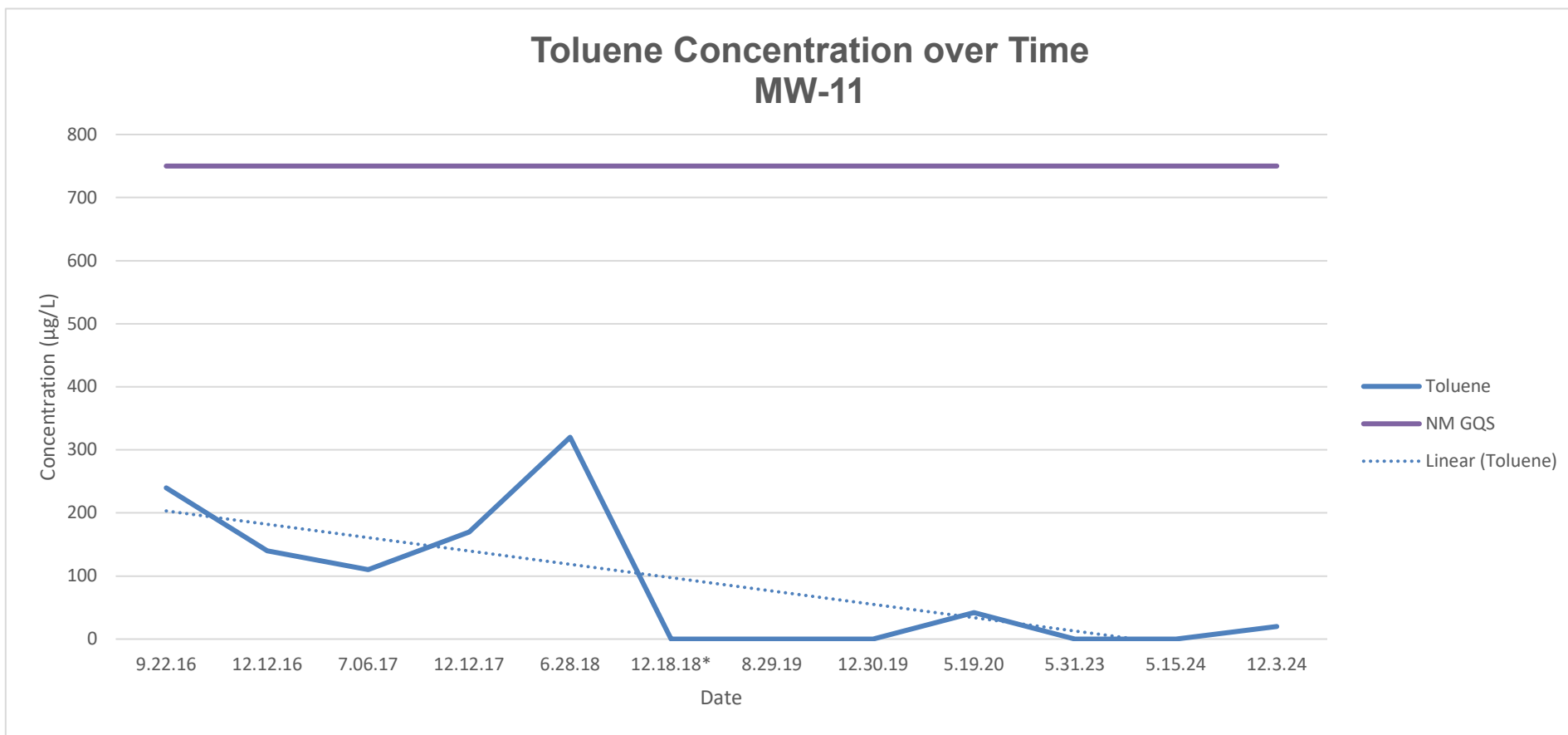
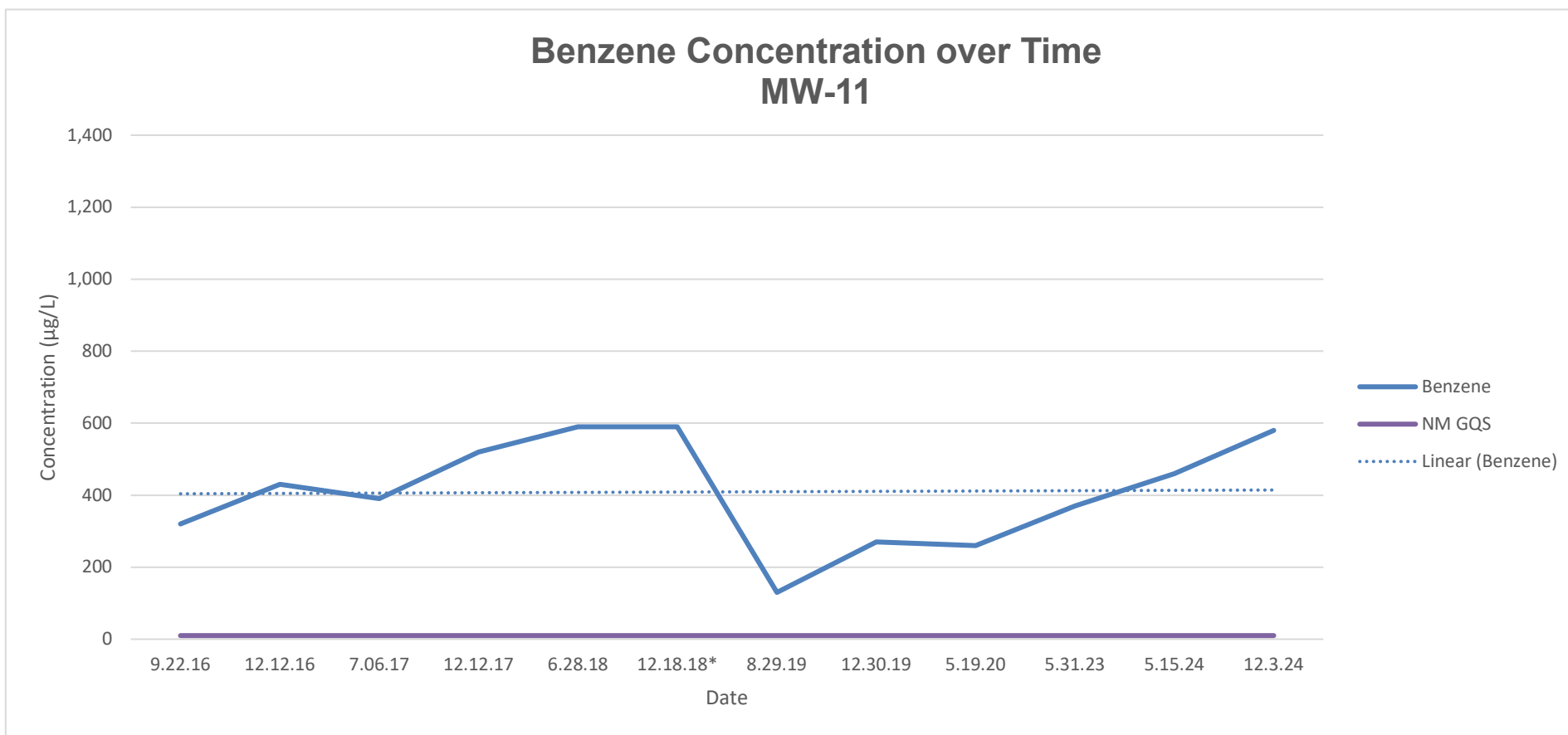


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-2**  
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 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
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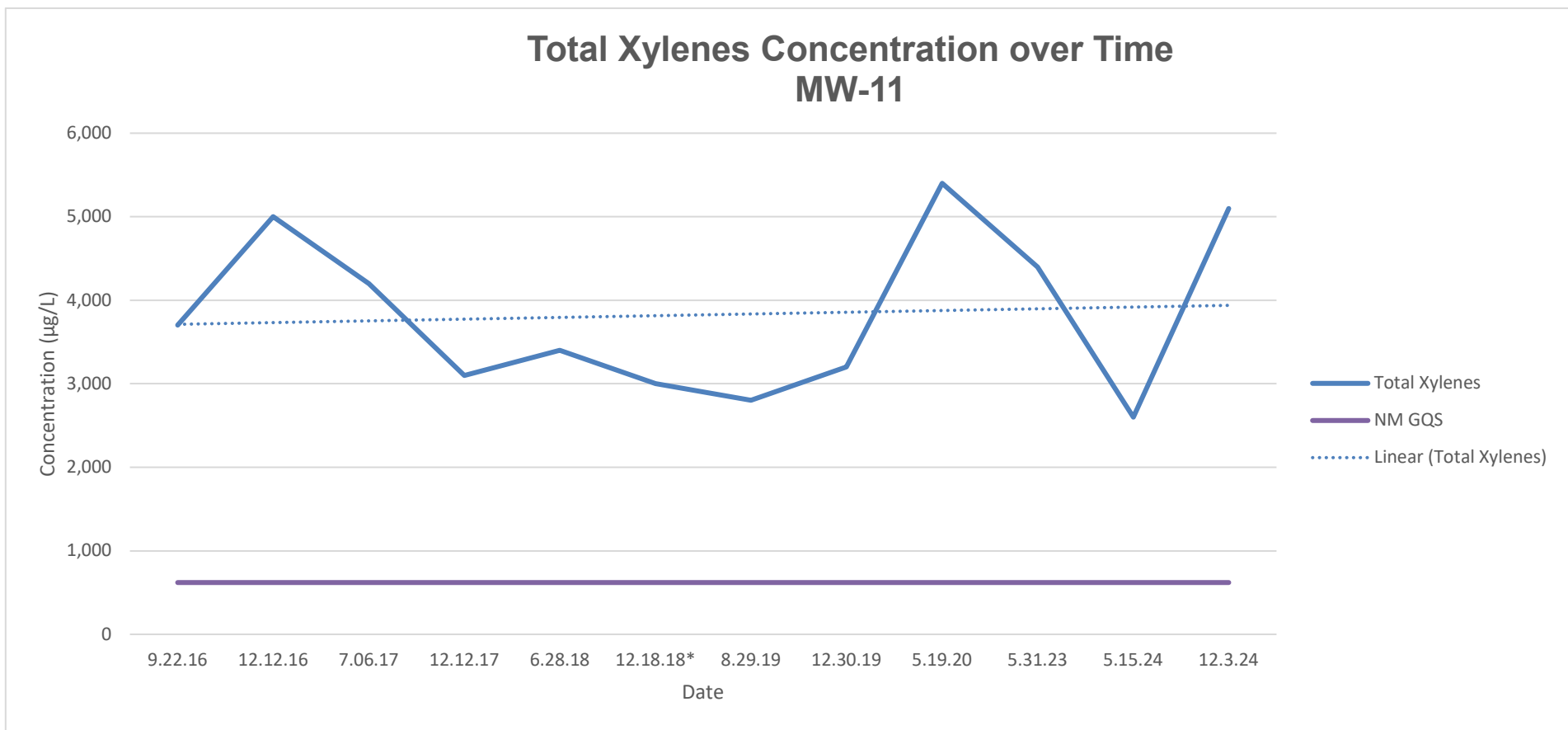
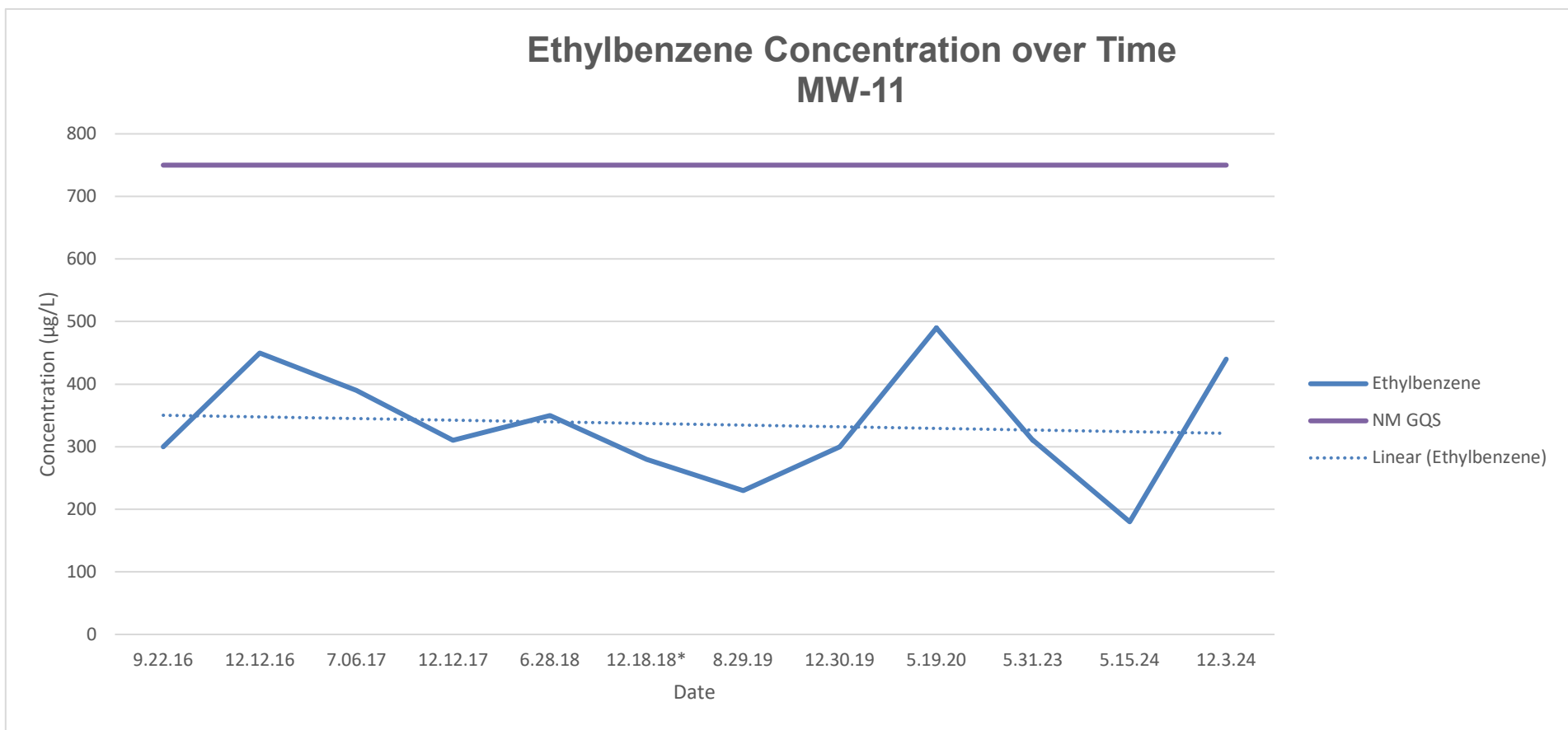


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-11**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
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 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



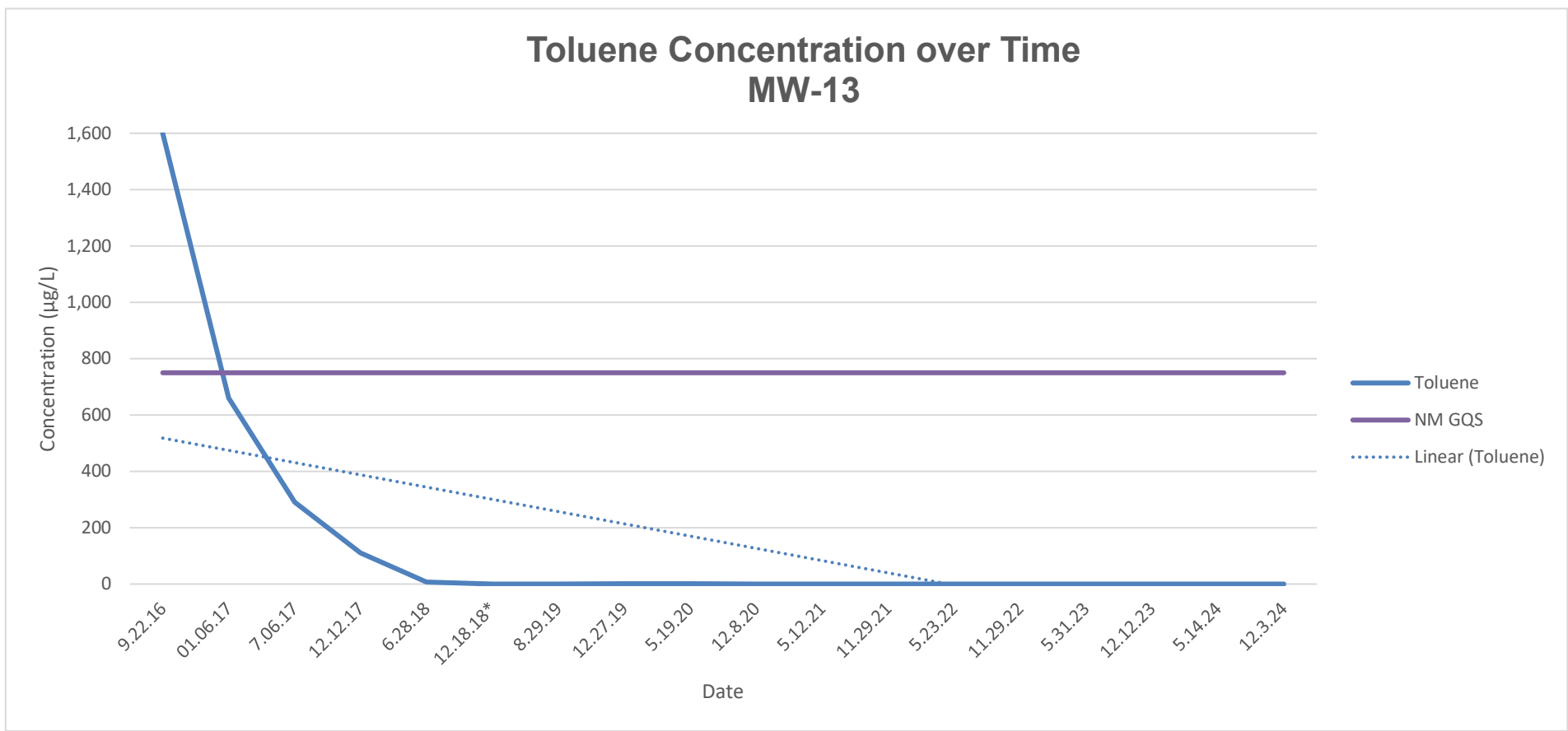
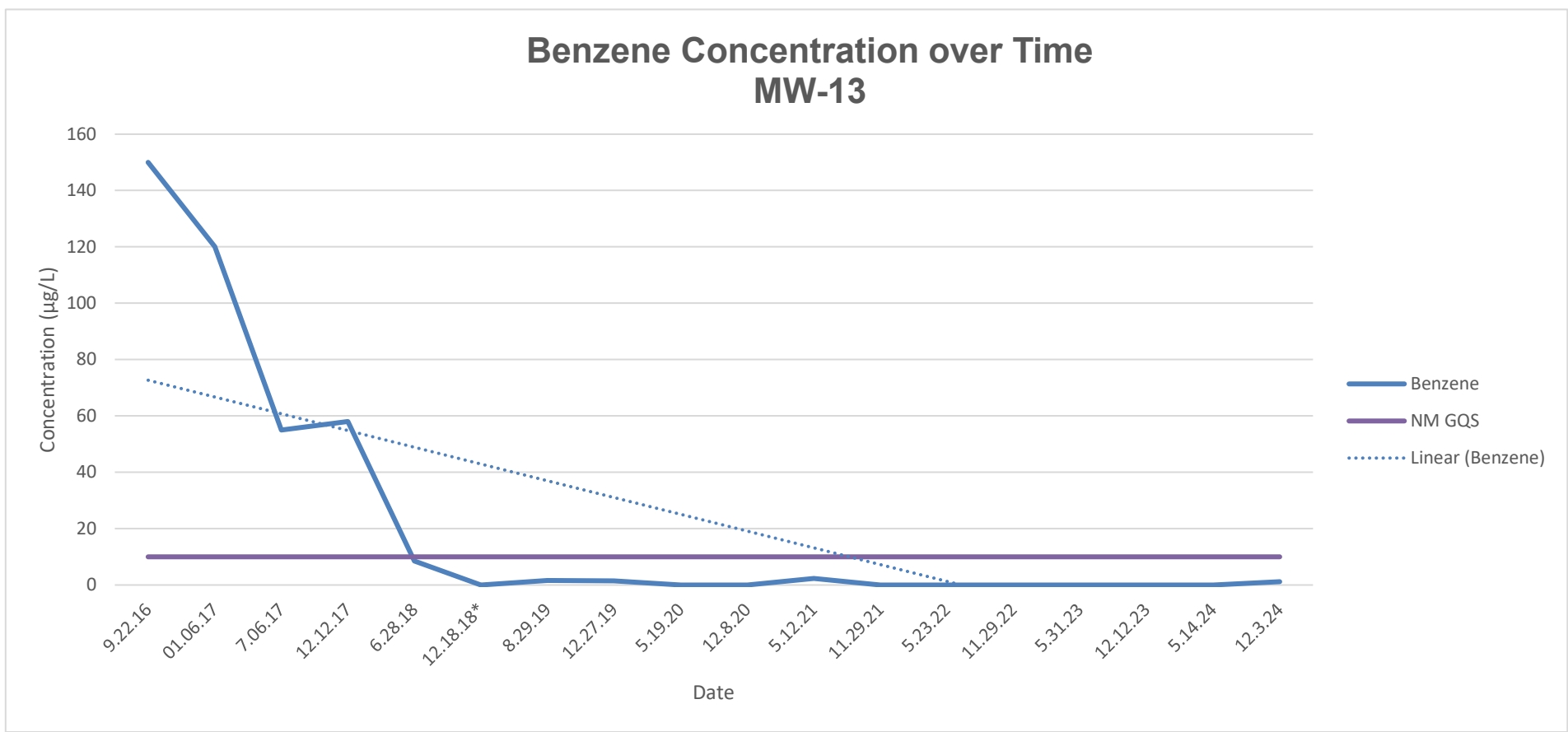


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-11**  
Enterprise Field Services, LLC  
Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
SW 1/4, S23 T27N R7W  
Rio Arriba County, New Mexico  
New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
Incident ID No. NJK1211037846



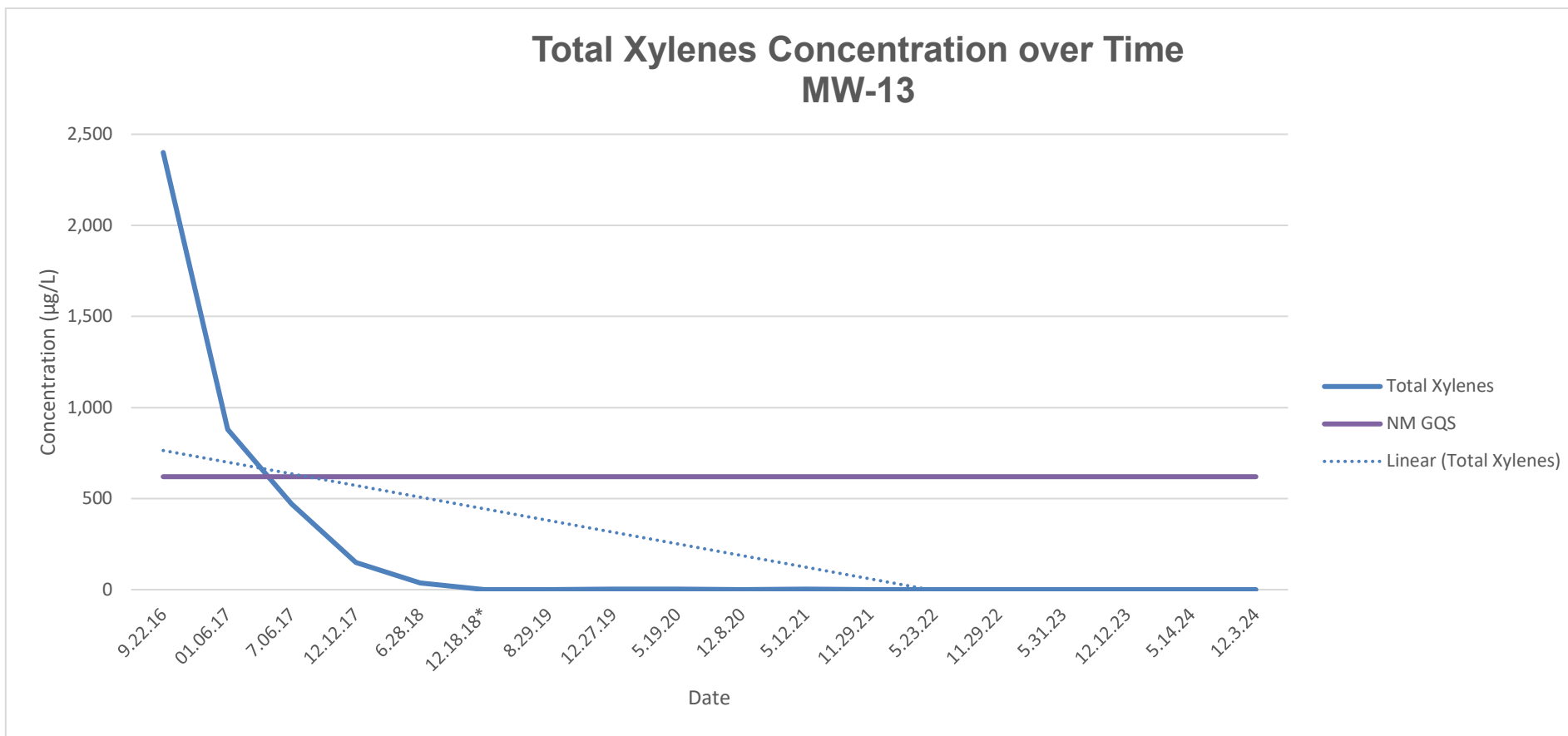
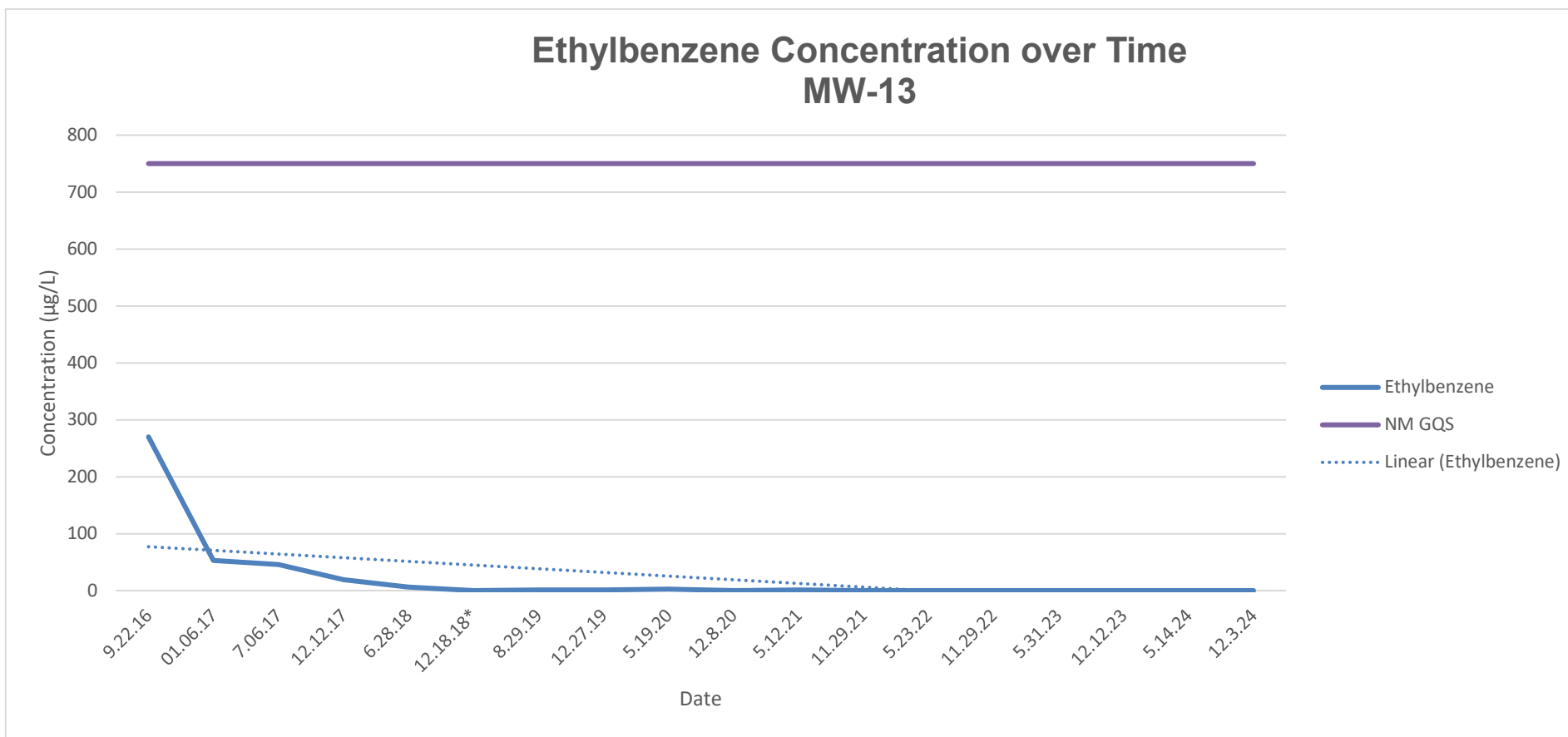


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-13**  
Enterprise Field Services, LLC  
Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
SW ¼, S23 T27N R7W  
Rio Arriba County, New Mexico  
New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
Incident ID No. NJK1211037846



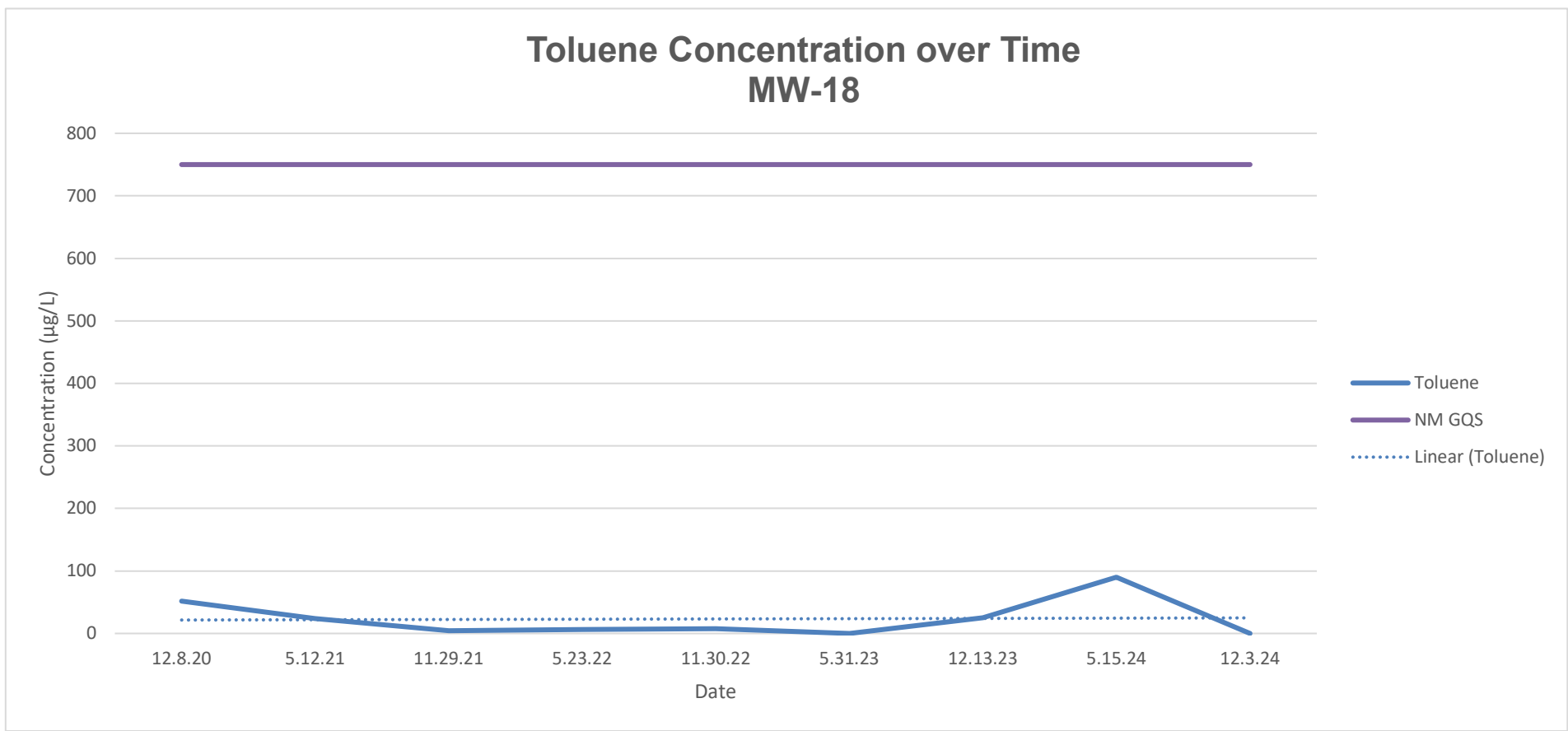
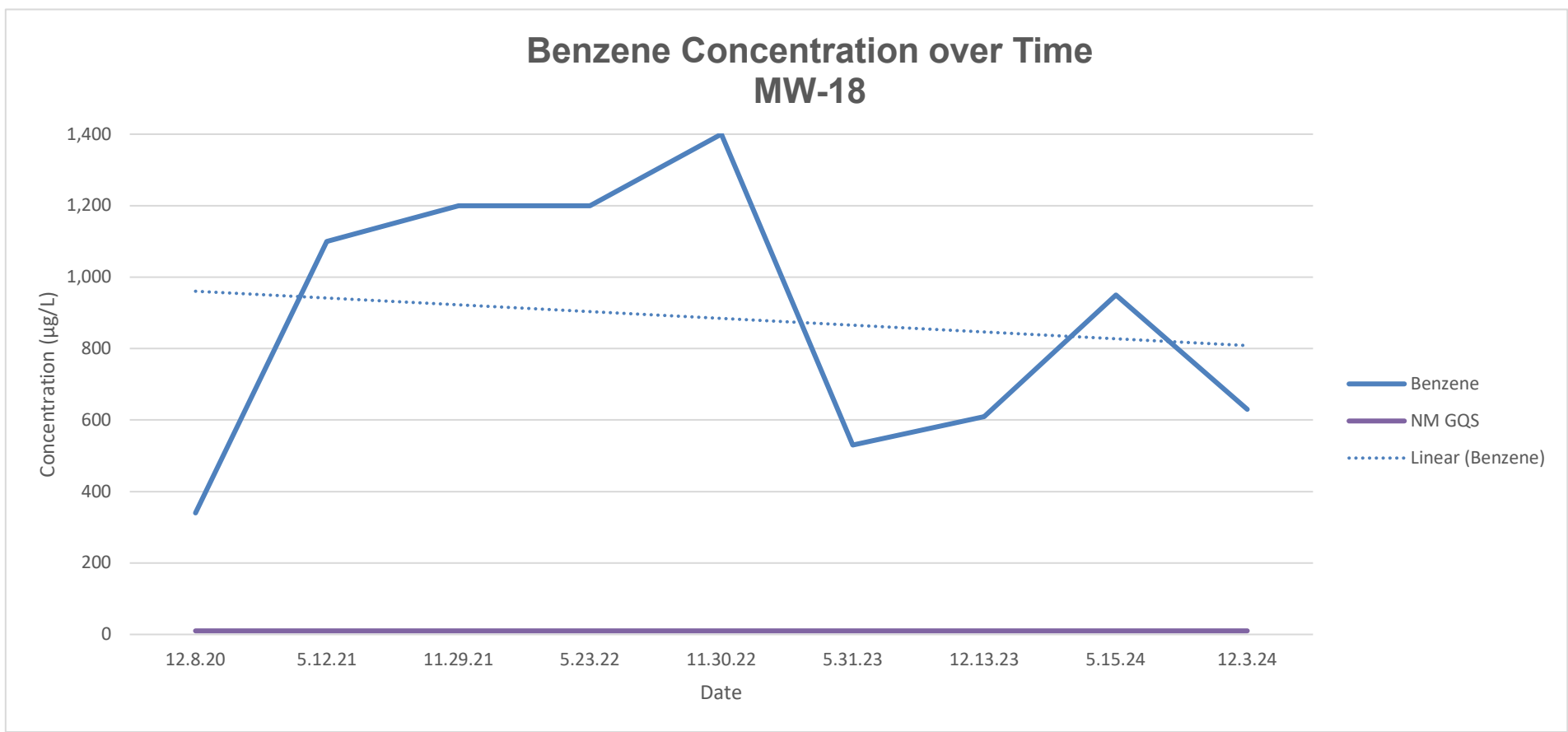


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-13**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
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 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846



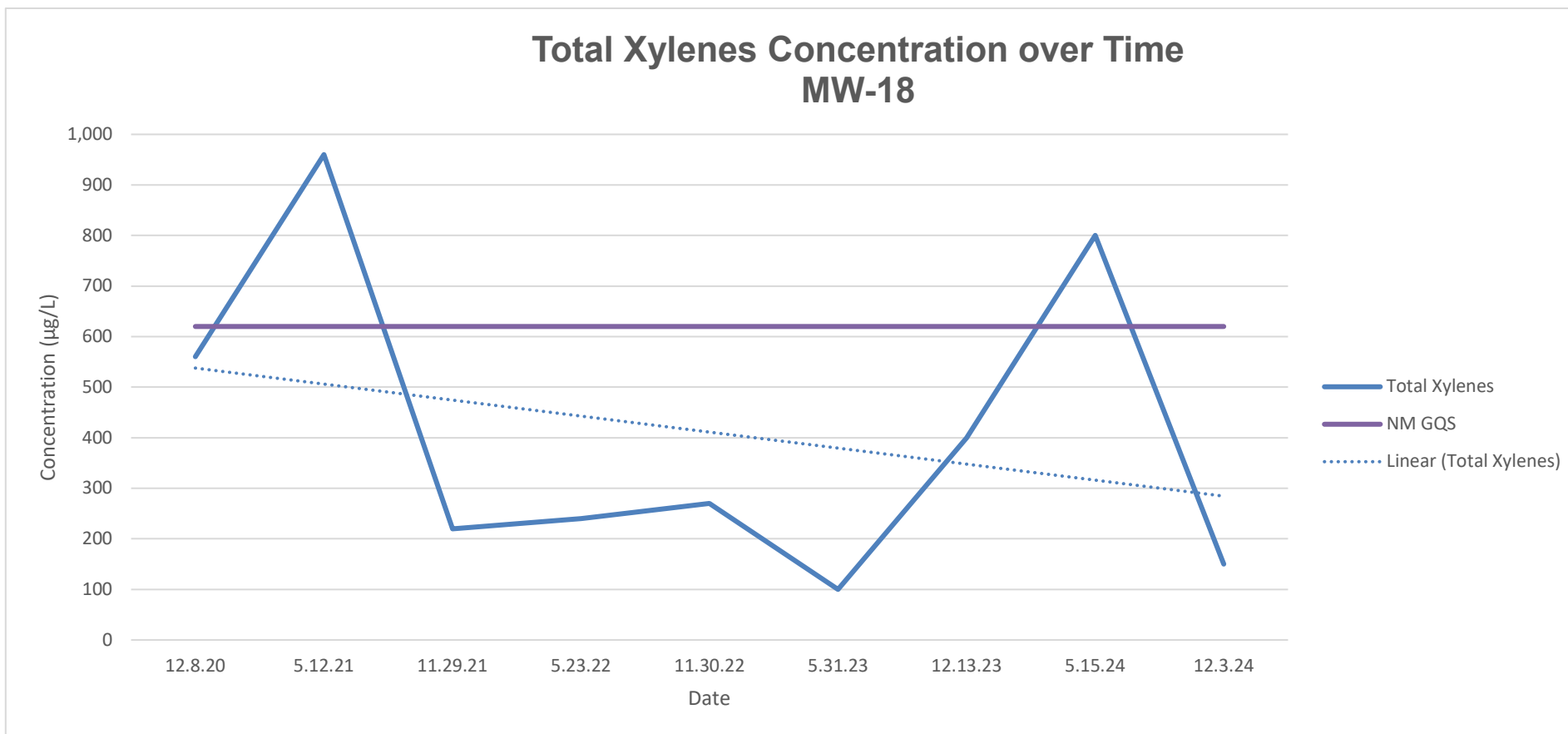
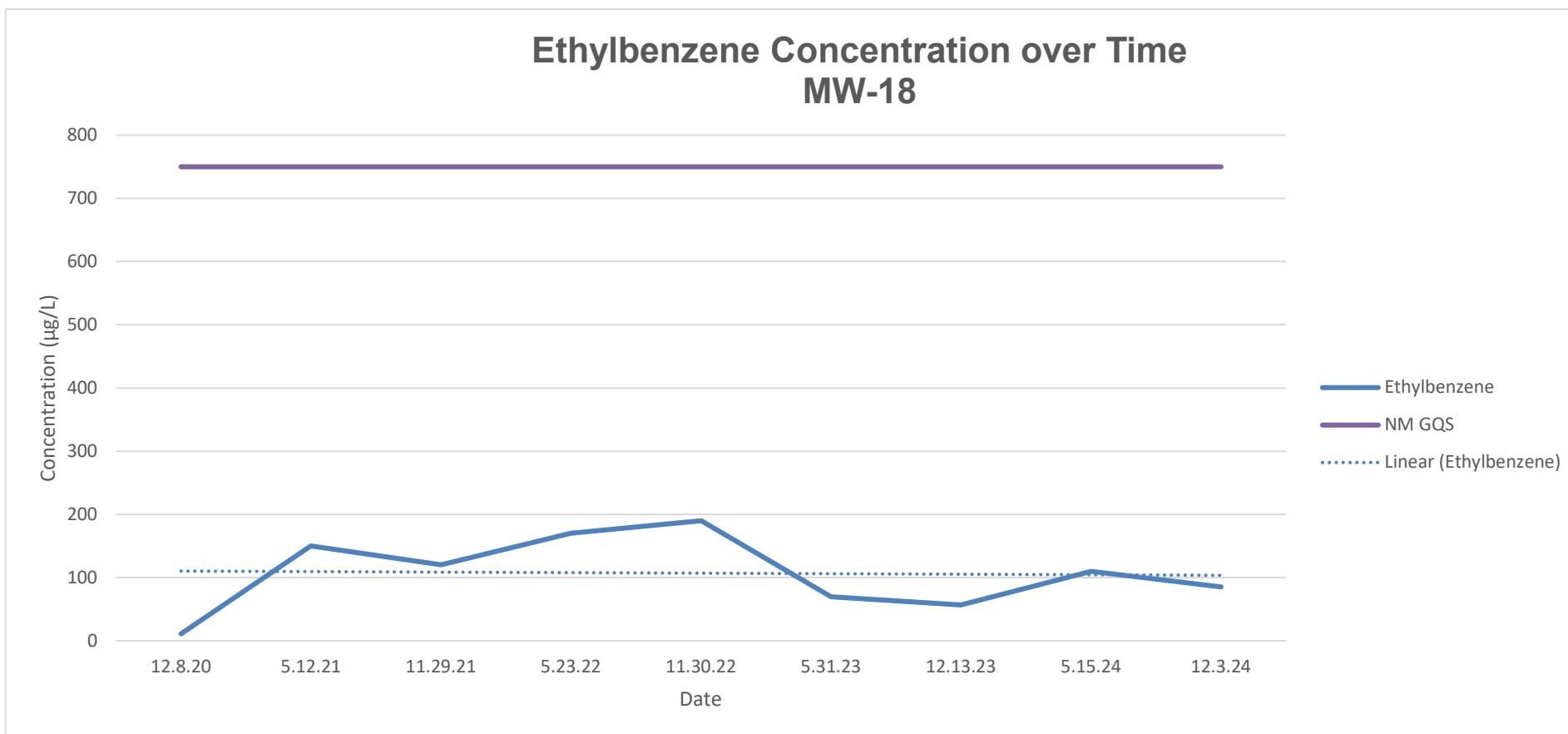


**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-18**  
Enterprise Field Services, LLC  
Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
SW ¼, S23 T27N R7W  
Rio Arriba County, New Mexico  
New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
Incident ID No. NJK1211037846





**GROUNDWATER COC CONCENTRATION TRENDS**  
**MW-18**  
 Enterprise Field Services, LLC  
 Lateral K-12 Y #3 Condensate Tank Release (3/19/12)  
 SW 1/4, S23 T27N R7W  
 Rio Arriba County, New Mexico  
 New Mexico EMNRD OCD RP No. 3RP-459, AP No. 132  
 Incident ID No. NJK1211037846

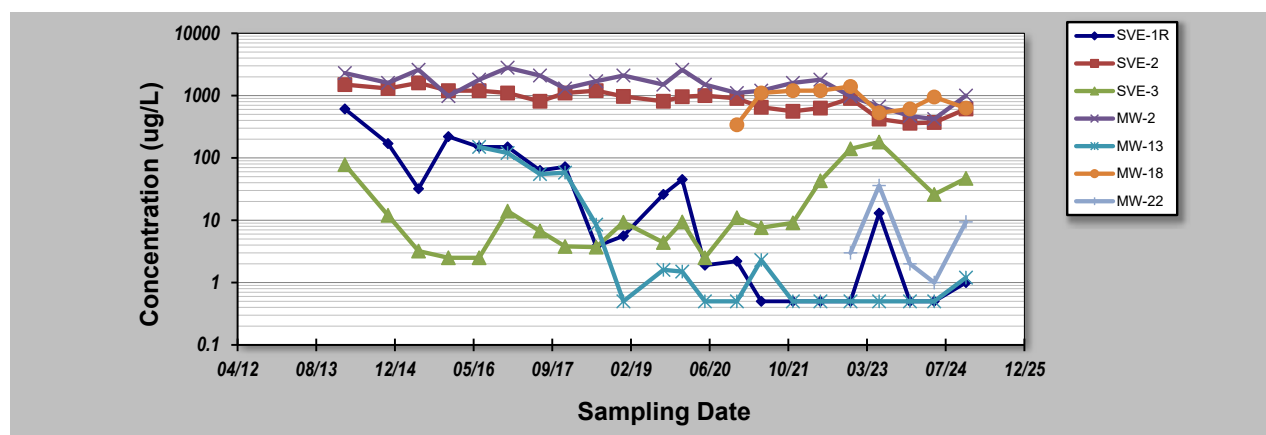


## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **3-Dec-24** Job ID: **05B1226001**  
 Facility Name: **Lateral K-12 Y#3 Condensate Tank Release** Constituent: **Benzene**  
 Conducted By: **Joseph Doyle** Concentration Units: **ug/L**

Sampling Point ID: **SVE-1R** **SVE-2** **SVE-3** **MW-2** **MW-13** **MW-18** **MW-22**

Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)						
		SVE-1R	SVE-2	SVE-3	MW-2	MW-13	MW-18	MW-22
1	12-Feb-14	610	1500	78	2300			
2	13-Nov-14	170	1300	12	1600			
3	26-May-15	32	1600	3.2	2600			
4	2-Dec-15	220	1200	2.5	980			
5	14-Jun-16	150	1200	2.5	1800	150		
6	12-Dec-16	150	1100	14	2800	120		
7	6-Jul-17	63	810	6.7	2100	55		
8	12-Dec-17	72	1100	3.8	1300	58		
9	28-Jun-18	3.8	1200	3.7	1700	8.5		
10	18-Dec-18	5.6	970	9.3	2100	0.5		
11	29-Aug-19	26	810	4.4	1500	1.6		
12	27-Dec-19	45	960	9.4	2600	1.5		
13	19-May-20	1.9	1000	2.5	1500	0.5		
14	8-Dec-20	2.2	900	11	1100	0.5	340	
15	12-May-21	0.5	650	7.6	1200	2.3	1100	
16	29-Nov-21	0.5	560	9.1	1600	0.5	1200	
17	23-May-22	0.5	630	43	1800	0.5	1200	
18	30-Nov-22	0.5	900	140	970	0.5	1400	3
19	31-May-23	13	420	180	670	0.5	530	36
20	13-Dec-23	0.5	360	470	470	0.5	610	2
21	15-May-24	0.5	370	26	420	0.5	950	1
22	3-Dec-24	1	610	47	1000	1.2	630	9.4
23								
24								
25								
Coefficient of Variation:		1.93	0.38	1.63	0.44	2.01	0.42	1.43
Mann-Kendall Statistic (S):		-157	-173	75	-112	-83	1	-2
Confidence Factor:		>99.9%	>99.9%	98.8%	99.9%	99.9%	50.0%	59.2%
Concentration Trend:		Decreasing	Decreasing	Increasing	Decreasing	Decreasing	No Trend	No Trend



**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

**DISCLAIMER:** The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

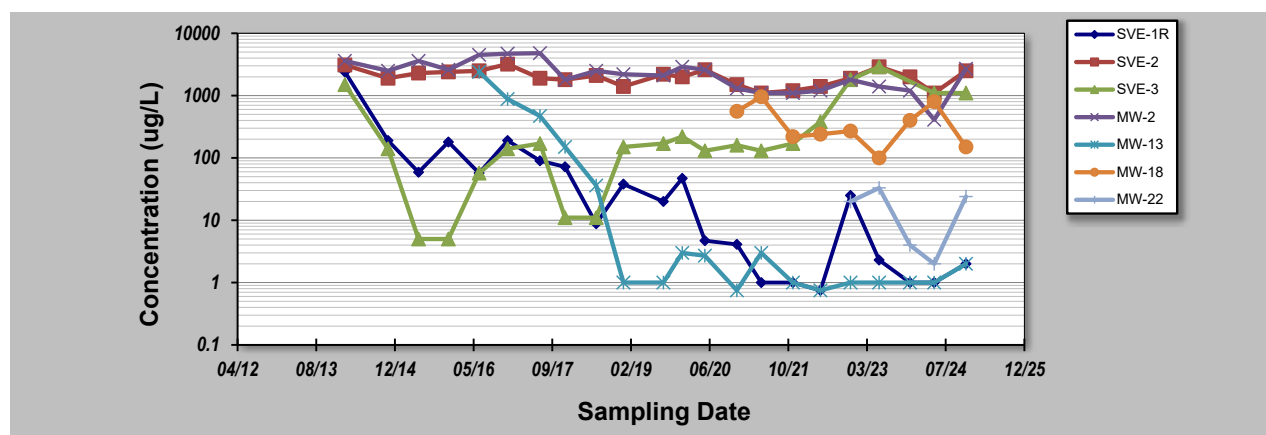
GSI Environmental Inc., www.gsi-net.com

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **3-Dec-24** Job ID: **05B1226001**  
 Facility Name: **Lateral K-12 Y#3 Condensate Tank Release** Constituent: **Total Xylenes**  
 Conducted By: **Joseph Doyle** Concentration Units: **ug/L**

Sampling Point ID: **SVE-1R** **SVE-2** **SVE-3** **MW-2** **MW-13** **MW-18** **MW-22**

Sampling Event	Sampling Date	TOTAL XYLENES CONCENTRATION (ug/L)						
		SVE-1R	SVE-2	SVE-3	MW-2	MW-13	MW-18	MW-22
1	12-Feb-14	2400	3100	1500	3600			
2	13-Nov-14	190	1900	140	2500			
3	26-May-15	59	2300	5	3600			
4	2-Dec-15	180	2400	5	2600			
5	14-Jun-16	57	2500	57	4500	2400		
6	12-Dec-16	190	3200	140	4700	880		
7	6-Jul-17	90	1900	170	4800	470		
8	12-Dec-17	72	1800	11	1800	150		
9	28-Jun-18	8.8	2100	11	2500	36		
10	18-Dec-18	38	1400	150	2200	1		
11	29-Aug-19	20	2200	170	2100	1		
12	27-Dec-19	47	2000	220	2900	3		
13	19-May-20	4.7	2600	130	2600	2.7		
14	8-Dec-20	4.1	1500	160	1300	0.75	560	
15	12-May-21	1	1100	130	1100	3	960	
16	29-Nov-21	1	1200	170	1100	1	220	
17	23-May-22	0.75	1400	380	1200	0.75	240	
18	30-Nov-22	25	1900	1800	1800	1	270	20
19	31-May-23	2.3	2900	2900	1400	1	100	33
20	13-Dec-23	1	2000	1200	1200	1	400	4
21	15-May-24	1	1100	1100	410	1	800	2
22	3-Dec-24	2	2500	1100	2700	2	150	24
23								
24								
25								
Coefficient of Variation:		3.28	0.30	1.53	0.52	2.68	0.73	0.80
Mann-Kendall Statistic (S):		-164	-56	100	-109	-78	-6	-2
Confidence Factor:		>99.9%	93.9%	99.9%	99.9%	99.9%	69.4%	59.2%
Concentration Trend:		Decreasing	Prob. Decreasing	Increasing	Decreasing	Decreasing	Stable	Stable



**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

**DISCLAIMER:** The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

GSI Environmental Inc., www.gsi-net.com



## APPENDIX E

# Regulatory Correspondence



**Wes Weichert**

---

**From:** Drewry, Scott <sdrewry@eprod.com>  
**Sent:** Monday, June 17, 2024 8:03 AM  
**To:** Joseph Doyle; Marc Gentry  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 350363

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

[\*\*EXTERNAL EMAIL\*\*]

OCD correspondence to 2023 AGWMR

Many thanks,

**Scott Drewry, P.G.**  
713.381.5696  
[sdrewry@eprod.com](mailto:sdrewry@eprod.com)

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.

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Friday, June 14, 2024 2:24 PM  
**To:** Drewry, Scott <sdrewry@eprod.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 350363

[Use caution with links/attachments]

To whom it may concern (c/o Scott Drewry for Enterprise Field Services, LLC),

The OCD has approved the submitted *Ground Water Abatement* (GROUND WATER ABATEMENT), for incident ID (n#) nJK1211037846, with the following conditions:

- **Review of the 2023 Annual Groundwater Monitoring Report for Lateral K-12 Y#3 Condensate Tank Release: Content Satisfactory** 1. Continue to conduct semi-annual groundwater monitoring events as scheduled until constituents are below the allowable concentrations, and then increase sampling frequency to quarterly. 2. Continue to evaluate monthly product recovery. 3. Evaluate in-situ soil remediation options and propose one to OCD. 4. MW-1 may be P&A'd but must be re-drilled and installed as MW-1R adjacent to MW-1 as groundwater flow is semi-radial to the east, northwest and north, that monitoring point is significant. Redrill MW-1 to the appropriate depth in sixty (60) days from 06/14/2024. 5. Submit the groundwater monitoring report for 2024 by April 1, 2025.

The signed GROUND WATER ABATEMENT can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Michael Buchanan  
Environmental Specialist  
505-490-0798  
[Michael.Buchanan@emnrd.nm.gov](mailto:Michael.Buchanan@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505



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## APPENDIX F

# Laboratory Data Reports and Chain of Custody Documentation

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: J Doyle  
Ensolum  
606 S Rio Grande  
Suite A  
Aztec, New Mexico 87410  
Generated 5/29/2024 3:18:41 PM

## JOB DESCRIPTION

K-12 Y#3 Condensate Tank

## JOB NUMBER

885-4543-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



Generated  
5/29/2024 3:18:41 PM

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

Client: Ensolum  
Project/Site: K-12 Y#3 Condensate Tank

Laboratory Job ID: 885-4543-1



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## Definitions/Glossary

Client: Ensolum

Job ID: 885-4543-1

Project/Site: K-12 Y#3 Condensate Tank

## Glossary

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

# Case Narrative

Client: Ensolum  
Project: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Job ID: 885-4543-1**

**Eurofins Albuquerque**

## Job Narrative 885-4543-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 5/15/2024 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

### GC VOA

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

Eurofins Albuquerque



### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-19**

**Lab Sample ID: 885-4543-1**

Date Collected: 05/14/24 11:10

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 18:27	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 18:27	1
Toluene	ND		1.0	ug/L			05/24/24 18:27	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 18:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	87		43 - 158				05/24/24 18:27	1

### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-23**

**Lab Sample ID: 885-4543-2**

Date Collected: 05/14/24 11:55

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 19:38	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 19:38	1
Toluene	ND		1.0	ug/L			05/24/24 19:38	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 19:38	1
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		43 - 158				05/24/24 19:38	1

### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-24**

**Lab Sample ID: 885-4543-3**

Date Collected: 05/14/24 12:20

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 20:01	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 20:01	1
Toluene	ND		1.0	ug/L			05/24/24 20:01	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		43 - 158		05/24/24 20:01	1

### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-13**

**Lab Sample ID: 885-4543-4**

Date Collected: 05/14/24 13:00

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 20:24	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 20:24	1
Toluene	ND		1.0	ug/L			05/24/24 20:24	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		43 - 158		05/24/24 20:24	1

### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-1**

**Lab Sample ID: 885-4543-5**

Date Collected: 05/14/24 13:40

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 20:48	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 20:48	1
Toluene	ND		1.0	ug/L			05/24/24 20:48	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 20:48	1
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		43 - 158				05/24/24 20:48	1

### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-22**

**Lab Sample ID: 885-4543-6**

Date Collected: 05/14/24 14:35

Matrix: Water

Date Received: 05/15/24 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/24/24 21:58	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 21:58	1
Toluene	ND		1.0	ug/L			05/24/24 21:58	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 21:58	1
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		43 - 158				05/24/24 21:58	1

### QC Sample Results

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

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

Lab Sample ID: MB 885-5700/20  
 Matrix: Water  
 Analysis Batch: 5700

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		1.0	ug/L			05/24/24 16:30	1
Ethylbenzene	ND		1.0	ug/L			05/24/24 16:30	1
Toluene	ND		1.0	ug/L			05/24/24 16:30	1
Xylenes, Total	ND		2.0	ug/L			05/24/24 16:30	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	91		43 - 158				05/24/24 16:30	1

Lab Sample ID: LCS 885-5700/19  
 Matrix: Water  
 Analysis Batch: 5700

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	20.0	18.9		ug/L		94	70 - 130
Ethylbenzene	20.0	17.5		ug/L		88	70 - 130
m,p-Xylene	40.0	35.8		ug/L		90	70 - 130
o-Xylene	20.0	17.6		ug/L		88	70 - 130
Toluene	20.0	17.7		ug/L		89	70 - 130
Surrogate	LCS LCS		Limits			%Recovery	Qualifier
	%Recovery	Qualifier					
4-Bromofluorobenzene (Surr)	93		43 - 158				

Lab Sample ID: 885-4543-1 MS  
 Matrix: Water  
 Analysis Batch: 5700

Client Sample ID: MW-19  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	ND		20.0	18.6		ug/L		93	70 - 130
Ethylbenzene	ND		20.0	17.3		ug/L		86	70 - 130
m,p-Xylene	ND		40.0	34.7		ug/L		86	70 - 130
o-Xylene	ND		20.0	16.8		ug/L		84	70 - 130
Toluene	ND		20.0	17.2		ug/L		86	70 - 130
Surrogate	MS MS		Limits			%Recovery	Qualifier	Limits	RPD
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	90		43 - 158						

Lab Sample ID: 885-4543-1 MSD  
 Matrix: Water  
 Analysis Batch: 5700

Client Sample ID: MW-19  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
				Result	Qualifier						
Benzene	ND		20.0	18.3		ug/L		92	70 - 130	1	20
Ethylbenzene	ND		20.0	17.2		ug/L		86	70 - 130	0	20
m,p-Xylene	ND		40.0	35.1		ug/L		87	70 - 130	1	20
o-Xylene	ND		20.0	17.1		ug/L		85	70 - 130	2	20
Toluene	ND		20.0	17.1		ug/L		85	70 - 130	1	20

Eurofins Albuquerque

### QC Sample Results

Client: Ensolum  
Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

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

Lab Sample ID: 885-4543-1 MSD  
Matrix: Water  
Analysis Batch: 5700

Client Sample ID: MW-19  
Prep Type: Total/NA

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		43 - 158

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### QC Association Summary

Client: Ensolum  
Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

#### GC VOA

#### Analysis Batch: 5700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4543-1	MW-19	Total/NA	Water	8021B	
885-4543-2	MW-23	Total/NA	Water	8021B	
885-4543-3	MW-24	Total/NA	Water	8021B	
885-4543-4	MW-13	Total/NA	Water	8021B	
885-4543-5	MW-1	Total/NA	Water	8021B	
885-4543-6	MW-22	Total/NA	Water	8021B	
MB 885-5700/20	Method Blank	Total/NA	Water	8021B	
LCS 885-5700/19	Lab Control Sample	Total/NA	Water	8021B	
885-4543-1 MS	MW-19	Total/NA	Water	8021B	
885-4543-1 MSD	MW-19	Total/NA	Water	8021B	

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### Lab Chronicle

Client: Ensolum  
 Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

**Client Sample ID: MW-19**

Date Collected: 05/14/24 11:10

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 18:27

**Client Sample ID: MW-23**

Date Collected: 05/14/24 11:55

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-2**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 19:38

**Client Sample ID: MW-24**

Date Collected: 05/14/24 12:20

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 20:01

**Client Sample ID: MW-13**

Date Collected: 05/14/24 13:00

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-4**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 20:24

**Client Sample ID: MW-1**

Date Collected: 05/14/24 13:40

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-5**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 20:48

**Client Sample ID: MW-22**

Date Collected: 05/14/24 14:35

Date Received: 05/15/24 09:55

**Lab Sample ID: 885-4543-6**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5700	JP	EET ALB	05/24/24 21:58

**Laboratory References:**

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

Eurofins Albuquerque

### Accreditation/Certification Summary

Client: Ensolum  
Project/Site: K-12 Y#3 Condensate Tank

Job ID: 885-4543-1

#### Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date																				
New Mexico	State	NM9425, NM0901	02-26-25																				
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>8021B</td> <td></td> <td>Water</td> <td>Benzene</td> </tr> <tr> <td>8021B</td> <td></td> <td>Water</td> <td>Ethylbenzene</td> </tr> <tr> <td>8021B</td> <td></td> <td>Water</td> <td>Toluene</td> </tr> <tr> <td>8021B</td> <td></td> <td>Water</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8021B		Water	Benzene	8021B		Water	Ethylbenzene	8021B		Water	Toluene	8021B		Water	Xylenes, Total
Analysis Method	Prep Method	Matrix	Analyte																				
8021B		Water	Benzene																				
8021B		Water	Ethylbenzene																				
8021B		Water	Toluene																				
8021B		Water	Xylenes, Total																				
Oregon	NELAP	NM100001	02-26-25																				



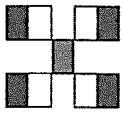
### Chain-of-Custody Record

Client: Ensolium, LLC  
 Mailing Address: 606 S. Rio Grande, Suite A  
Altec, NM 87110  
 Phone #: 505-345-3975  
 email or Fax#: J. Doyle Ensolium, LLC  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush  
 Project Name: K-12 Y#3 Condensate Tank  
 Project #: OSB1226001  
 Project Manager: J. Doyle  
 Sampler: C. Davis II  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): 1.8-0.5-1.8 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5/14/24	11:10	W	MW-19	3x Yambler HCl		-1
	11:55	W	MW-23			-2
	12:20	W	MW-24			-3
	13:00	W	MW-13			-4
	13:40	W	MW-1			-5
	14:35	W	MW-22			-6

Date: 5/14/24 Time: 1719 Relinquished by: [Signature]  
 Date: 5/14/24 Time: 1719 Relinquished by: [Signature]  
 Date: 5/14/24 Time: 1719 Relinquished by: [Signature]



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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



885-4543 COC

#### Analysis Request

BTEX / MTBE / TMBs (8021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks:

Bill to Ensolium

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



### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 885-4543-1

**Login Number: 4543**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Proctor, Nancy**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: J Doyle  
Ensolum  
606 S Rio Grande  
Suite A  
Aztec, New Mexico 87410  
Generated 5/29/2024 3:33:53 PM

## JOB DESCRIPTION

K-12 Y #3 Condensate Tank

## JOB NUMBER

885-4772-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



Generated  
5/29/2024 3:33:53 PM

Authorized for release by  
John Caldwell, Project Manager  
[john.caldwell@et.eurofinsus.com](mailto:john.caldwell@et.eurofinsus.com)  
(505)345-3975

Client: Ensolum  
Project/Site: K-12 Y #3 Condensate Tank

Laboratory Job ID: 885-4772-1



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## Definitions/Glossary

Client: Ensolum  
Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

## Glossary

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

# Case Narrative

Client: Ensolum  
Project: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Job ID: 885-4772-1**

**Eurofins Albuquerque**

## Job Narrative 885-4772-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 5/16/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

### GC VOA

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

Eurofins Albuquerque



### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: SVE-1R**  
**Date Collected: 05/15/24 09:20**  
**Date Received: 05/16/24 06:35**

**Lab Sample ID: 885-4772-1**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/20/24 15:38	1
Ethylbenzene	ND		1.0	ug/L			05/20/24 15:38	1
Toluene	ND		1.0	ug/L			05/20/24 15:38	1
Xylenes, Total	ND		2.0	ug/L			05/20/24 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		43 - 158				05/20/24 15:38	1



### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: MW-18**  
**Date Collected: 05/15/24 10:00**  
**Date Received: 05/16/24 06:35**

**Lab Sample ID: 885-4772-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	950		50	ug/L			05/20/24 16:43	50
Ethylbenzene	110		5.0	ug/L			05/20/24 17:04	5
Toluene	90		5.0	ug/L			05/20/24 17:04	5
Xylenes, Total	800		10	ug/L			05/20/24 17:04	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		43 - 158				05/20/24 16:43	50
4-Bromofluorobenzene (Surr)	106		43 - 158				05/20/24 17:04	5

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### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: SVE-2**  
 Date Collected: 05/15/24 10:40  
 Date Received: 05/16/24 06:35

**Lab Sample ID: 885-4772-3**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	370		20	ug/L			05/20/24 17:26	20
Ethylbenzene	160		20	ug/L			05/20/24 17:26	20
Toluene	ND		20	ug/L			05/20/24 17:26	20
<b>Xylenes, Total</b>	<b>1100</b>		40	ug/L			05/20/24 17:26	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		43 - 158				05/20/24 17:26	20

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# Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: MW-2**

**Lab Sample ID: 885-4772-4**

Date Collected: 05/15/24 11:45

Matrix: Water

Date Received: 05/16/24 06:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	420		50	ug/L			05/20/24 17:48	50
Ethylbenzene	79		50	ug/L			05/20/24 17:48	50
Toluene	ND		50	ug/L			05/20/24 17:48	50
<b>Xylenes, Total</b>	<b>410</b>		100	ug/L			05/20/24 17:48	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	92		43 - 158				05/20/24 17:48	50

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### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: SVE-3**  
 Date Collected: 05/15/24 12:20  
 Date Received: 05/16/24 06:35

**Lab Sample ID: 885-4772-5**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	26		5.0	ug/L			05/20/24 18:09	5
Ethylbenzene	57		5.0	ug/L			05/20/24 18:09	5
Toluene	94		5.0	ug/L			05/20/24 18:09	5
Xylenes, Total	1100		10	ug/L			05/20/24 18:09	5
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	124		43 - 158				05/20/24 18:09	5

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### Client Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: MW-11**  
 Date Collected: 05/15/24 13:20  
 Date Received: 05/16/24 06:35

**Lab Sample ID: 885-4772-6**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	460		20	ug/L			05/20/24 18:31	20
Ethylbenzene	180		20	ug/L			05/20/24 18:31	20
Toluene	ND		20	ug/L			05/20/24 18:31	20
<b>Xylenes, Total</b>	<b>2600</b>		40	ug/L			05/20/24 18:31	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		43 - 158				05/20/24 18:31	20

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### QC Sample Results

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

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

Lab Sample ID: MB 885-5256/1-A  
 Matrix: Water  
 Analysis Batch: 5281

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 5256

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		50	ug/L		05/20/24 11:00	05/20/24 13:06	1
Ethylbenzene	ND		50	ug/L		05/20/24 11:00	05/20/24 13:06	1
Toluene	ND		50	ug/L		05/20/24 11:00	05/20/24 13:06	1
Xylenes, Total	ND		100	ug/L		05/20/24 11:00	05/20/24 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		43 - 158	05/20/24 11:00	05/20/24 13:06	1

Lab Sample ID: LCS 885-5256/3-A  
 Matrix: Water  
 Analysis Batch: 5281

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 5256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1000	847		ug/L		85	70 - 130
Ethylbenzene	1000	889		ug/L		89	70 - 130
Toluene	1000	871		ug/L		87	70 - 130
Xylenes, Total	3000	2690		ug/L		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		43 - 158

Lab Sample ID: 885-4772-1 MS  
 Matrix: Water  
 Analysis Batch: 5281

Client Sample ID: SVE-1R  
 Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		43 - 158

Lab Sample ID: 885-4772-1 MSD  
 Matrix: Water  
 Analysis Batch: 5281

Client Sample ID: SVE-1R  
 Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		43 - 158

### QC Association Summary

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

#### GC VOA

##### Prep Batch: 5256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-5256/1-A	Method Blank	Total/NA	Water	5035	
LCS 885-5256/3-A	Lab Control Sample	Total/NA	Water	5035	

##### Analysis Batch: 5281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4772-1	SVE-1R	Total/NA	Water	8021B	
885-4772-2	MW-18	Total/NA	Water	8021B	
885-4772-2	MW-18	Total/NA	Water	8021B	
885-4772-3	SVE-2	Total/NA	Water	8021B	
885-4772-4	MW-2	Total/NA	Water	8021B	
885-4772-5	SVE-3	Total/NA	Water	8021B	
885-4772-6	MW-11	Total/NA	Water	8021B	
MB 885-5256/1-A	Method Blank	Total/NA	Water	8021B	5256
LCS 885-5256/3-A	Lab Control Sample	Total/NA	Water	8021B	5256
885-4772-1 MS	SVE-1R	Total/NA	Water	8021B	
885-4772-1 MSD	SVE-1R	Total/NA	Water	8021B	

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# Lab Chronicle

Client: Ensolum  
 Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

**Client Sample ID: SVE-1R**

**Lab Sample ID: 885-4772-1**

Date Collected: 05/15/24 09:20

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	5281	CM	EET ALB	05/20/24 15:38

**Client Sample ID: MW-18**

**Lab Sample ID: 885-4772-2**

Date Collected: 05/15/24 10:00

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	5281	CM	EET ALB	05/20/24 16:43
Total/NA	Analysis	8021B		5	5281	CM	EET ALB	05/20/24 17:04

**Client Sample ID: SVE-2**

**Lab Sample ID: 885-4772-3**

Date Collected: 05/15/24 10:40

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		20	5281	CM	EET ALB	05/20/24 17:26

**Client Sample ID: MW-2**

**Lab Sample ID: 885-4772-4**

Date Collected: 05/15/24 11:45

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	5281	CM	EET ALB	05/20/24 17:48

**Client Sample ID: SVE-3**

**Lab Sample ID: 885-4772-5**

Date Collected: 05/15/24 12:20

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	5281	CM	EET ALB	05/20/24 18:09

**Client Sample ID: MW-11**

**Lab Sample ID: 885-4772-6**

Date Collected: 05/15/24 13:20

Matrix: Water

Date Received: 05/16/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		20	5281	CM	EET ALB	05/20/24 18:31

**Laboratory References:**

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

Eurofins Albuquerque

# Accreditation/Certification Summary

Client: Ensolum  
Project/Site: K-12 Y #3 Condensate Tank

Job ID: 885-4772-1

## Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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### Chain-of-Custody Record

Client: Enselum, LLC  
 Mailing Address: 606 S Rio Grande Suite A  
Aztec, NM 87410  
 Phone #: \_\_\_\_\_  
 email or Fax#: j.doyle@enselum.com  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush  
 Project Name: Condensate  
K-12 Y#3 Tank  
 Project #: \_\_\_\_\_  
05B17260D1  
 Project Manager: J. Doyle  
 Sampler: \_\_\_\_\_  
 On Ice:  Yes  No  
 # of Coolers: 1 Yoga's  
 Cooler Temp (including CF): 38.03.8 (°C)



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87105

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

885-4772 COC

### Analysis Request

TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	
RCRA 8 Metals		
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>		
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)		

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5/14/24	9:20	W	<del>RAW-11</del> SVE-1R	3x40mL VOA HCl		1
	10:00	W	MW-18			2
	10:40	W	SVE-2			3
	11:45	W	MW-2			4
	12:20	W	SVE-3			5
	13:20	W	MW-11			6

BTX / MTBE / TMBs (8021)  X  
 Received by: [Signature] Date: 5/15/24 Time: 1600  
 Relinquished by: [Signature]  
 Received by: [Signature] Date: 5/16/24 Time: 6:35  
 Relinquished by: [Signature]

Remarks: Bill to Enselum



### Login Sample Receipt Checklist

Client: Ensolum

Job Number: 885-4772-1

**Login Number: 4772**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Joseph Doyle  
 Ensolum LLC  
 776 E 2nd Avenue  
 Durango, Colorado 81301  
 Generated 10/29/2024 1:48:40 PM

## JOB DESCRIPTION

Lateral K-12  
 Enterprise

## JOB NUMBER

885-14231-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



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Authorized for release by  
John Caldwell, Project Manager  
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(505)345-3975

Client: Ensolum LLC  
Project/Site: Lateral K-12

Laboratory Job ID: 885-14231-1  
SDG: Enterprise



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## Definitions/Glossary

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-14231-1  
SDG: Enterprise

## Qualifiers

## GC VOA

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

## Glossary

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

# Case Narrative

Client: Ensolum LLC  
Project: Lateral K-12

Job ID: 885-14231-1

**Job ID: 885-14231-1**

**Eurofins Albuquerque**

## Job Narrative 885-14231-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 10/24/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

### Gasoline Range Organics

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

### GC VOA

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

### Diesel Range Organics

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

### HPLC/IC

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

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-25 @ 26'

Lab Sample ID: 885-14231-1

Date Collected: 10/22/24 10:00

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		10/24/24 16:04	10/25/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166			10/24/24 16:04	10/25/24 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 15:47	1
Ethylbenzene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 15:47	1
Toluene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 15:47	1
Xylenes, Total	ND		0.099	mg/Kg		10/24/24 16:04	10/25/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/24/24 16:04	10/25/24 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/25/24 14:19	10/25/24 17:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/25/24 14:19	10/25/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/25/24 14:19	10/25/24 17:32	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 12:39	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-25 @ 31'

Lab Sample ID: 885-14231-2

Date Collected: 10/22/24 10:15

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	73		50	mg/Kg		10/24/24 16:04	10/25/24 16:52	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143		35 - 166			10/24/24 16:04	10/25/24 16:52	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/28/24 13:53	1
Ethylbenzene	0.33		0.050	mg/Kg		10/24/24 16:04	10/28/24 13:53	1
Toluene	0.28		0.050	mg/Kg		10/24/24 16:04	10/28/24 13:53	1
Xylenes, Total	1.9		0.10	mg/Kg		10/24/24 16:04	10/28/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162		48 - 145			10/24/24 16:04	10/28/24 13:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150		9.9	mg/Kg		10/25/24 14:19	10/25/24 17:43	1
Motor Oil Range Organics [C28-C40]	100		49	mg/Kg		10/25/24 14:19	10/25/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			10/25/24 14:19	10/25/24 17:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 12:48	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-25 @ 36'

Lab Sample ID: 885-14231-3

Date Collected: 10/22/24 10:30

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	110		4.7	mg/Kg		10/24/24 16:04	10/25/24 17:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	347	S1+	35 - 166			10/24/24 16:04	10/25/24 17:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.027		0.023	mg/Kg		10/24/24 16:04	10/25/24 17:57	1
Ethylbenzene	0.31		0.047	mg/Kg		10/24/24 16:04	10/25/24 17:57	1
Toluene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 17:57	1
Xylenes, Total	1.1		0.093	mg/Kg		10/24/24 16:04	10/25/24 17:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	208		48 - 145			10/24/24 16:04	10/25/24 17:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	34		9.8	mg/Kg		10/25/24 14:19	10/25/24 17:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/25/24 14:19	10/25/24 17:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Di-n-octyl phthalate (Surr)	90		62 - 134			10/25/24 14:19	10/25/24 17:53	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 12:58	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-25 @ 41'

Lab Sample ID: 885-14231-4

Date Collected: 10/22/24 11:00

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	47		5.0	mg/Kg		10/24/24 16:04	10/25/24 18:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	386	S1+	35 - 166			10/24/24 16:04	10/25/24 18:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 18:18	1
Ethylbenzene	0.16		0.050	mg/Kg		10/24/24 16:04	10/25/24 18:18	1
Toluene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 18:18	1
Xylenes, Total	0.72		0.099	mg/Kg		10/24/24 16:04	10/25/24 18:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	152		48 - 145			10/24/24 16:04	10/25/24 18:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		10	mg/Kg		10/25/24 14:19	10/25/24 18:04	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/25/24 14:19	10/25/24 18:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Di-n-octyl phthalate (Surr)	77		62 - 134			10/25/24 14:19	10/25/24 18:04	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 13:08	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW-25 @ 46'**

**Lab Sample ID: 885-14231-5**

Date Collected: 10/22/24 11:30

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/24/24 16:04	10/25/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		35 - 166			10/24/24 16:04	10/25/24 18:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/24/24 16:04	10/25/24 18:40	1
Ethylbenzene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 18:40	1
Toluene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 18:40	1
Xylenes, Total	ND		0.098	mg/Kg		10/24/24 16:04	10/25/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			10/24/24 16:04	10/25/24 18:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/25/24 14:19	10/25/24 18:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/25/24 14:19	10/25/24 18:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/25/24 14:19	10/25/24 18:14	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 13:18	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-1R @ 22'

Lab Sample ID: 885-14231-6

Date Collected: 10/22/24 13:15

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/24/24 16:04	10/25/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		35 - 166			10/24/24 16:04	10/25/24 19:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/24/24 16:04	10/25/24 19:02	1
Ethylbenzene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 19:02	1
Toluene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 19:02	1
Xylenes, Total	ND		0.095	mg/Kg		10/24/24 16:04	10/25/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/24/24 16:04	10/25/24 19:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/25/24 14:19	10/25/24 18:25	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/25/24 14:19	10/25/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/25/24 14:19	10/25/24 18:25	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 13:48	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

Client Sample ID: MW-1R @ 27'

Lab Sample ID: 885-14231-7

Date Collected: 10/22/24 13:20

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/24/24 16:04	10/25/24 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		35 - 166			10/24/24 16:04	10/25/24 19:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 19:24	1
Ethylbenzene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 19:24	1
Toluene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 19:24	1
Xylenes, Total	ND		0.099	mg/Kg		10/24/24 16:04	10/25/24 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/24/24 16:04	10/25/24 19:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/25/24 14:19	10/25/24 19:07	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/25/24 14:19	10/25/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			10/25/24 14:19	10/25/24 19:07	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 13:57	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW-1R @ 32'**

**Lab Sample ID: 885-14231-8**

Date Collected: 10/22/24 13:30

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/24/24 16:04	10/25/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		35 - 166			10/24/24 16:04	10/25/24 19:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 19:45	1
Ethylbenzene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 19:45	1
Toluene	ND		0.049	mg/Kg		10/24/24 16:04	10/25/24 19:45	1
Xylenes, Total	ND		0.099	mg/Kg		10/24/24 16:04	10/25/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/24/24 16:04	10/25/24 19:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/25/24 14:19	10/25/24 19:18	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/25/24 14:19	10/25/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			10/25/24 14:19	10/25/24 19:18	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61	mg/Kg		10/26/24 10:20	10/28/24 14:07	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW12R @ 23'**

**Lab Sample ID: 885-14231-9**

Date Collected: 10/23/24 09:30

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		10/24/24 16:04	10/25/24 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166			10/24/24 16:04	10/25/24 20:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 20:07	1
Ethylbenzene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 20:07	1
Toluene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 20:07	1
Xylenes, Total	ND		0.099	mg/Kg		10/24/24 16:04	10/25/24 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			10/24/24 16:04	10/25/24 20:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/25/24 14:19	10/25/24 19:29	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/25/24 14:19	10/25/24 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			10/25/24 14:19	10/25/24 19:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 14:17	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW12R @ 28'**

**Lab Sample ID: 885-14231-10**

Date Collected: 10/23/24 09:40

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/24/24 16:04	10/25/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/24/24 16:04	10/25/24 20:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/24/24 16:04	10/25/24 20:50	1
Ethylbenzene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 20:50	1
Toluene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 20:50	1
Xylenes, Total	ND		0.093	mg/Kg		10/24/24 16:04	10/25/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			10/24/24 16:04	10/25/24 20:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/25/24 14:19	10/25/24 19:39	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/25/24 14:19	10/25/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			10/25/24 14:19	10/25/24 19:39	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 14:27	20

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW12R @ 33'**

**Lab Sample ID: 885-14231-11**

Date Collected: 10/23/24 09:50

Matrix: Solid

Date Received: 10/24/24 07:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/24/24 16:04	10/25/24 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/24/24 16:04	10/25/24 21:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/24/24 16:04	10/25/24 21:12	1
Ethylbenzene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 21:12	1
Toluene	ND		0.047	mg/Kg		10/24/24 16:04	10/25/24 21:12	1
Xylenes, Total	ND		0.094	mg/Kg		10/24/24 16:04	10/25/24 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/24/24 16:04	10/25/24 21:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/25/24 14:19	10/25/24 19:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/25/24 14:19	10/25/24 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			10/25/24 14:19	10/25/24 19:50	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/26/24 10:20	10/28/24 14:37	20

### QC Sample Results

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-14231-1  
SDG: Enterprise

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

Lab Sample ID: MB 885-14883/1-A  
Matrix: Solid  
Analysis Batch: 14987

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 14883

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		10/24/24 16:04	10/25/24 15:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			10/24/24 16:04	10/25/24 15:25	1

Lab Sample ID: LCS 885-14883/2-A  
Matrix: Solid  
Analysis Batch: 15058

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 14883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	29.6		mg/Kg		119	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	244		35 - 166				

Lab Sample ID: 885-14231-1 MS  
Matrix: Solid  
Analysis Batch: 15058

Client Sample ID: MW-25 @ 26'  
Prep Type: Total/NA  
Prep Batch: 14883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.9	25.7		mg/Kg		103	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	232		35 - 166						

Lab Sample ID: 885-14231-1 MSD  
Matrix: Solid  
Analysis Batch: 15058

Client Sample ID: MW-25 @ 26'  
Prep Type: Total/NA  
Prep Batch: 14883

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.9	23.9		mg/Kg		96	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	223		35 - 166								

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

Lab Sample ID: MB 885-14883/1-A  
Matrix: Solid  
Analysis Batch: 14985

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 14883

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/24/24 16:04	10/25/24 15:25	1
Ethylbenzene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 15:25	1
Toluene	ND		0.050	mg/Kg		10/24/24 16:04	10/25/24 15:25	1

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### QC Sample Results

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-14231-1  
SDG: Enterprise

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

**Lab Sample ID: MB 885-14883/1-A**  
**Matrix: Solid**  
**Analysis Batch: 14985**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 14883**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		10/24/24 16:04	10/25/24 15:25	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			10/24/24 16:04	10/25/24 15:25	1

**Lab Sample ID: LCS 885-14883/3-A**  
**Matrix: Solid**  
**Analysis Batch: 14985**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 14883**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.01		mg/Kg		101	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
Toluene	1.00	1.00		mg/Kg		100	70 - 130
Xylenes, Total	3.00	3.02		mg/Kg		101	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	103		48 - 145				

**Lab Sample ID: 885-14231-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 15059**

**Client Sample ID: MW-25 @ 31'**  
**Prep Type: Total/NA**  
**Prep Batch: 14883**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.993	0.984		mg/Kg		99	70 - 130
Ethylbenzene	0.33		0.993	1.18		mg/Kg		86	70 - 130
Toluene	0.28		0.993	1.14		mg/Kg		87	70 - 130
Xylenes, Total	1.9		2.98	4.10		mg/Kg		73	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	138		48 - 145						

**Lab Sample ID: 885-14231-2 MSD**  
**Matrix: Solid**  
**Analysis Batch: 15059**

**Client Sample ID: MW-25 @ 31'**  
**Prep Type: Total/NA**  
**Prep Batch: 14883**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.997	1.02		mg/Kg		103	70 - 130	4	20
Ethylbenzene	0.33		0.997	1.22		mg/Kg		89	70 - 130	3	20
Toluene	0.28		0.997	1.18		mg/Kg		90	70 - 130	3	20
Xylenes, Total	1.9		2.99	4.21		mg/Kg		77	70 - 130	3	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	137		48 - 145								

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### QC Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

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

Lab Sample ID: MB 885-14942/1-A  
 Matrix: Solid  
 Analysis Batch: 14908

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 14942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/25/24 14:19	10/25/24 17:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/25/24 14:19	10/25/24 17:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/25/24 14:19	10/25/24 17:11	1

Lab Sample ID: LCS 885-14942/2-A  
 Matrix: Solid  
 Analysis Batch: 14908

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 14942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	38.3		mg/Kg		77	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	86		62 - 134				

Lab Sample ID: 885-14231-6 MS  
 Matrix: Solid  
 Analysis Batch: 14908

Client Sample ID: MW-1R @ 22'  
 Prep Type: Total/NA  
 Prep Batch: 14942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		49.2	37.5		mg/Kg		76	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	90		62 - 134						

Lab Sample ID: 885-14231-6 MSD  
 Matrix: Solid  
 Analysis Batch: 14908

Client Sample ID: MW-1R @ 22'  
 Prep Type: Total/NA  
 Prep Batch: 14942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		47.2	38.3		mg/Kg		81	44 - 136	2	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	94		62 - 134								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-14965/1-A  
 Matrix: Solid  
 Analysis Batch: 14991

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 14965

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/26/24 10:20	10/28/24 11:29	1

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### QC Sample Results

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-14231-1  
SDG: Enterprise

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-14965/2-A  
Matrix: Solid  
Analysis Batch: 14991

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 14965

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.1		mg/Kg		94	90 - 110

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

### QC Association Summary

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

#### GC VOA

##### Prep Batch: 14883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	5030C	
885-14231-2	MW-25 @ 31'	Total/NA	Solid	5030C	
885-14231-3	MW-25 @ 36'	Total/NA	Solid	5030C	
885-14231-4	MW-25 @ 41'	Total/NA	Solid	5030C	
885-14231-5	MW-25 @ 46'	Total/NA	Solid	5030C	
885-14231-6	MW-1R @ 22'	Total/NA	Solid	5030C	
885-14231-7	MW-1R @ 27'	Total/NA	Solid	5030C	
885-14231-8	MW-1R @ 32'	Total/NA	Solid	5030C	
885-14231-9	MW12R @ 23'	Total/NA	Solid	5030C	
885-14231-10	MW12R @ 28'	Total/NA	Solid	5030C	
885-14231-11	MW12R @ 33'	Total/NA	Solid	5030C	
MB 885-14883/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-14883/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-14883/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-14231-1 MS	MW-25 @ 26'	Total/NA	Solid	5030C	
885-14231-1 MSD	MW-25 @ 26'	Total/NA	Solid	5030C	
885-14231-2 MS	MW-25 @ 31'	Total/NA	Solid	5030C	
885-14231-2 MSD	MW-25 @ 31'	Total/NA	Solid	5030C	

##### Analysis Batch: 14985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	8021B	14883
885-14231-3	MW-25 @ 36'	Total/NA	Solid	8021B	14883
885-14231-4	MW-25 @ 41'	Total/NA	Solid	8021B	14883
885-14231-5	MW-25 @ 46'	Total/NA	Solid	8021B	14883
885-14231-6	MW-1R @ 22'	Total/NA	Solid	8021B	14883
885-14231-7	MW-1R @ 27'	Total/NA	Solid	8021B	14883
885-14231-8	MW-1R @ 32'	Total/NA	Solid	8021B	14883
885-14231-9	MW12R @ 23'	Total/NA	Solid	8021B	14883
885-14231-10	MW12R @ 28'	Total/NA	Solid	8021B	14883
885-14231-11	MW12R @ 33'	Total/NA	Solid	8021B	14883
MB 885-14883/1-A	Method Blank	Total/NA	Solid	8021B	14883
LCS 885-14883/3-A	Lab Control Sample	Total/NA	Solid	8021B	14883

##### Analysis Batch: 14987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	8015M/D	14883
885-14231-2	MW-25 @ 31'	Total/NA	Solid	8015M/D	14883
885-14231-3	MW-25 @ 36'	Total/NA	Solid	8015M/D	14883
885-14231-4	MW-25 @ 41'	Total/NA	Solid	8015M/D	14883
885-14231-5	MW-25 @ 46'	Total/NA	Solid	8015M/D	14883
885-14231-6	MW-1R @ 22'	Total/NA	Solid	8015M/D	14883
885-14231-7	MW-1R @ 27'	Total/NA	Solid	8015M/D	14883
885-14231-8	MW-1R @ 32'	Total/NA	Solid	8015M/D	14883
885-14231-9	MW12R @ 23'	Total/NA	Solid	8015M/D	14883
885-14231-10	MW12R @ 28'	Total/NA	Solid	8015M/D	14883
885-14231-11	MW12R @ 33'	Total/NA	Solid	8015M/D	14883
MB 885-14883/1-A	Method Blank	Total/NA	Solid	8015M/D	14883

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### QC Association Summary

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

#### GC VOA

##### Analysis Batch: 15058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-14883/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14883
885-14231-1 MS	MW-25 @ 26'	Total/NA	Solid	8015M/D	14883
885-14231-1 MSD	MW-25 @ 26'	Total/NA	Solid	8015M/D	14883

##### Analysis Batch: 15059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-2	MW-25 @ 31'	Total/NA	Solid	8021B	14883
885-14231-2 MS	MW-25 @ 31'	Total/NA	Solid	8021B	14883
885-14231-2 MSD	MW-25 @ 31'	Total/NA	Solid	8021B	14883

#### GC Semi VOA

##### Analysis Batch: 14908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	8015M/D	14942
885-14231-2	MW-25 @ 31'	Total/NA	Solid	8015M/D	14942
885-14231-3	MW-25 @ 36'	Total/NA	Solid	8015M/D	14942
885-14231-4	MW-25 @ 41'	Total/NA	Solid	8015M/D	14942
885-14231-5	MW-25 @ 46'	Total/NA	Solid	8015M/D	14942
885-14231-6	MW-1R @ 22'	Total/NA	Solid	8015M/D	14942
885-14231-7	MW-1R @ 27'	Total/NA	Solid	8015M/D	14942
885-14231-8	MW-1R @ 32'	Total/NA	Solid	8015M/D	14942
885-14231-9	MW12R @ 23'	Total/NA	Solid	8015M/D	14942
885-14231-10	MW12R @ 28'	Total/NA	Solid	8015M/D	14942
885-14231-11	MW12R @ 33'	Total/NA	Solid	8015M/D	14942
MB 885-14942/1-A	Method Blank	Total/NA	Solid	8015M/D	14942
LCS 885-14942/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14942
885-14231-6 MS	MW-1R @ 22'	Total/NA	Solid	8015M/D	14942
885-14231-6 MSD	MW-1R @ 22'	Total/NA	Solid	8015M/D	14942

##### Prep Batch: 14942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	SHAKE	
885-14231-2	MW-25 @ 31'	Total/NA	Solid	SHAKE	
885-14231-3	MW-25 @ 36'	Total/NA	Solid	SHAKE	
885-14231-4	MW-25 @ 41'	Total/NA	Solid	SHAKE	
885-14231-5	MW-25 @ 46'	Total/NA	Solid	SHAKE	
885-14231-6	MW-1R @ 22'	Total/NA	Solid	SHAKE	
885-14231-7	MW-1R @ 27'	Total/NA	Solid	SHAKE	
885-14231-8	MW-1R @ 32'	Total/NA	Solid	SHAKE	
885-14231-9	MW12R @ 23'	Total/NA	Solid	SHAKE	
885-14231-10	MW12R @ 28'	Total/NA	Solid	SHAKE	
885-14231-11	MW12R @ 33'	Total/NA	Solid	SHAKE	
MB 885-14942/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14942/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-14231-6 MS	MW-1R @ 22'	Total/NA	Solid	SHAKE	
885-14231-6 MSD	MW-1R @ 22'	Total/NA	Solid	SHAKE	

### QC Association Summary

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

#### HPLC/IC

##### Prep Batch: 14965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	300_Prep	
885-14231-2	MW-25 @ 31'	Total/NA	Solid	300_Prep	
885-14231-3	MW-25 @ 36'	Total/NA	Solid	300_Prep	
885-14231-4	MW-25 @ 41'	Total/NA	Solid	300_Prep	
885-14231-5	MW-25 @ 46'	Total/NA	Solid	300_Prep	
885-14231-6	MW-1R @ 22'	Total/NA	Solid	300_Prep	
885-14231-7	MW-1R @ 27'	Total/NA	Solid	300_Prep	
885-14231-8	MW-1R @ 32'	Total/NA	Solid	300_Prep	
885-14231-9	MW12R @ 23'	Total/NA	Solid	300_Prep	
885-14231-10	MW12R @ 28'	Total/NA	Solid	300_Prep	
885-14231-11	MW12R @ 33'	Total/NA	Solid	300_Prep	
MB 885-14965/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14965/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

##### Analysis Batch: 14991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14231-1	MW-25 @ 26'	Total/NA	Solid	300.0	14965
885-14231-2	MW-25 @ 31'	Total/NA	Solid	300.0	14965
885-14231-3	MW-25 @ 36'	Total/NA	Solid	300.0	14965
885-14231-4	MW-25 @ 41'	Total/NA	Solid	300.0	14965
885-14231-5	MW-25 @ 46'	Total/NA	Solid	300.0	14965
885-14231-6	MW-1R @ 22'	Total/NA	Solid	300.0	14965
885-14231-7	MW-1R @ 27'	Total/NA	Solid	300.0	14965
885-14231-8	MW-1R @ 32'	Total/NA	Solid	300.0	14965
885-14231-9	MW12R @ 23'	Total/NA	Solid	300.0	14965
885-14231-10	MW12R @ 28'	Total/NA	Solid	300.0	14965
885-14231-11	MW12R @ 33'	Total/NA	Solid	300.0	14965
MB 885-14965/1-A	Method Blank	Total/NA	Solid	300.0	14965
LCS 885-14965/2-A	Lab Control Sample	Total/NA	Solid	300.0	14965

### Lab Chronicle

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW-25 @ 26'**

**Lab Sample ID: 885-14231-1**

Date Collected: 10/22/24 10:00

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 15:47
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 15:47
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 17:32
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 12:39

**Client Sample ID: MW-25 @ 31'**

**Lab Sample ID: 885-14231-2**

Date Collected: 10/22/24 10:15

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		10	14987	AT	EET ALB	10/25/24 16:52
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	15059	AT	EET ALB	10/28/24 13:53
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 17:43
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 12:48

**Client Sample ID: MW-25 @ 36'**

**Lab Sample ID: 885-14231-3**

Date Collected: 10/22/24 10:30

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 17:57
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 17:57
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 17:53
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 12:58

**Client Sample ID: MW-25 @ 41'**

**Lab Sample ID: 885-14231-4**

Date Collected: 10/22/24 11:00

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 18:18

### Lab Chronicle

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW-25 @ 41'**

**Lab Sample ID: 885-14231-4**

Date Collected: 10/22/24 11:00

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 18:18
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 18:04
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 13:08

**Client Sample ID: MW-25 @ 46'**

**Lab Sample ID: 885-14231-5**

Date Collected: 10/22/24 11:30

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 18:40
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 18:40
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 18:14
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 13:18

**Client Sample ID: MW-1R @ 22'**

**Lab Sample ID: 885-14231-6**

Date Collected: 10/22/24 13:15

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 19:02
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 19:02
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 18:25
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 13:48

**Client Sample ID: MW-1R @ 27'**

**Lab Sample ID: 885-14231-7**

Date Collected: 10/22/24 13:20

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 19:24
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 19:24

Eurofins Albuquerque

### Lab Chronicle

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW-1R @ 27'**

**Lab Sample ID: 885-14231-7**

Date Collected: 10/22/24 13:20

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 19:07
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 13:57

**Client Sample ID: MW-1R @ 32'**

**Lab Sample ID: 885-14231-8**

Date Collected: 10/22/24 13:30

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 19:45
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 19:45
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 19:18
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 14:07

**Client Sample ID: MW12R @ 23'**

**Lab Sample ID: 885-14231-9**

Date Collected: 10/23/24 09:30

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 20:07
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 20:07
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 19:29
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 14:17

**Client Sample ID: MW12R @ 28'**

**Lab Sample ID: 885-14231-10**

Date Collected: 10/23/24 09:40

Matrix: Solid

Date Received: 10/24/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 20:50
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 20:50
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 19:39

Eurofins Albuquerque

### Lab Chronicle

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-14231-1  
 SDG: Enterprise

**Client Sample ID: MW12R @ 28'**  
 Date Collected: 10/23/24 09:40  
 Date Received: 10/24/24 07:30

**Lab Sample ID: 885-14231-10**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 14:27

**Client Sample ID: MW12R @ 33'**  
 Date Collected: 10/23/24 09:50  
 Date Received: 10/24/24 07:30

**Lab Sample ID: 885-14231-11**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8015M/D		1	14987	AT	EET ALB	10/25/24 21:12
Total/NA	Prep	5030C			14883	AT	EET ALB	10/24/24 16:04
Total/NA	Analysis	8021B		1	14985	AT	EET ALB	10/25/24 21:12
Total/NA	Prep	SHAKE			14942	MI	EET ALB	10/25/24 14:19
Total/NA	Analysis	8015M/D		1	14908	MI	EET ALB	10/25/24 19:50
Total/NA	Prep	300_Prep			14965	JT	EET ALB	10/26/24 10:20
Total/NA	Analysis	300.0		20	14991	RC	EET ALB	10/28/24 14:37

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-14231-1  
SDG: Enterprise

#### Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
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### Chain-of-Custody Record

Client: Enterprise

Mailing Address:

Phone #: 713-705-2623

email or Fax#: Jdoyle@ensolum.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type) Excel

Turn-Around Time: 5-day  
 Standard  Rush

Project Name: Lateral K-12

Project #: 05B1226001

Project Manager: Joseph Doyle  
Jdoyle@ensolum.com

Sampler: W. Weichert  
 On Ice:  Yes  No

# of Coolers: 1 Yes Yes

Cooler Temp (including CF): 0.5 to 2.2 ± 0.2 (°C)

Container Type and #	Preservative Type	HEAL No.
4 oz glass	None	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11

Received by: Wm Whurst Date: 10/23/24 Time: 1433  
 Received by: [Signature] Date: 10/24/24 Time: 7130



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87106

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

885-14231 COC



#### Analysis Request

<input checked="" type="checkbox"/>	BTEX / MTBE / TMBs (8021)	
<input checked="" type="checkbox"/>	TPH:8015D(GRO / DRO / MRO)	
	8081 Pesticides/8082 PCBs	
	EDB (Method 504.1)	
	PAHs by 8310 or 8270SIMS	
	RCRA 8 Metals	
<input checked="" type="checkbox"/>	Cl, F, Br, NO <sub>2</sub> , NO <sub>3</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
	8260 (VOA)	
	8270 (Semi-VOA)	
	Total Coliform (Present/Absent)	

Remarks:



### Login Sample Receipt Checklist

Client: Ensolum LLC

Job Number: 885-14231-1

SDG Number: Enterprise

**Login Number: 14231**

**List Number: 1**

**Creator: McQuiston, Steven**

**List Source: Eurofins Albuquerque**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Joseph Doyle  
 Ensolum LLC  
 776 E 2nd Avenue  
 Durango, Colorado 81301  
 Generated 12/10/2024 10:12:31 AM

## JOB DESCRIPTION

Lateral K-12

## JOB NUMBER

885-16343-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



Generated  
12/10/2024 10:12:31 AM

Authorized for release by  
John Caldwell, Project Manager  
[john.caldwell@et.eurofinsus.com](mailto:john.caldwell@et.eurofinsus.com)  
(505)345-3975

Client: Ensolum LLC  
Project/Site: Lateral K-12

Laboratory Job ID: 885-16343-1

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## Definitions/Glossary

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-16343-1

## Qualifiers

## GC VOA

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

## Glossary

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

# Case Narrative

Client: Ensolum LLC  
Project: Lateral K-12

Job ID: 885-16343-1

**Job ID: 885-16343-1**

**Eurofins Albuquerque**

## Job Narrative 885-16343-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 12/5/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

### Receipt Exceptions

Sample MW-11 not on COC. Client contacted and instructed lab to add to COC.  
MW-11 (885-16343-15)

### GC VOA

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

Eurofins Albuquerque



### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-19**  
**Date Collected: 12/02/24 12:55**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-1**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/05/24 23:54	1
Ethylbenzene	ND		1.0	ug/L			12/05/24 23:54	1
Toluene	ND		1.0	ug/L			12/05/24 23:54	1
Xylenes, Total	ND		2.0	ug/L			12/05/24 23:54	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	98		43 - 158				12/05/24 23:54	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-23**  
**Date Collected: 12/02/24 13:35**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 00:16	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 00:16	1
Toluene	ND		1.0	ug/L			12/06/24 00:16	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 00:16	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	95		43 - 158				12/06/24 00:16	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-22**  
 Date Collected: 12/02/24 14:10  
 Date Received: 12/05/24 06:35

**Lab Sample ID: 885-16343-3**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.4		1.0	ug/L			12/06/24 00:38	1
Ethylbenzene	95		1.0	ug/L			12/06/24 00:38	1
Toluene	1.3		1.0	ug/L			12/06/24 00:38	1
Xylenes, Total	24		2.0	ug/L			12/06/24 00:38	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	148		43 - 158				12/06/24 00:38	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-24**  
**Date Collected: 12/02/24 14:40**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-4**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 00:59	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 00:59	1
Toluene	ND		1.0	ug/L			12/06/24 00:59	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 00:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	97		43 - 158				12/06/24 00:59	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-13**  
**Date Collected: 12/03/24 09:30**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-5**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1.2</b>		1.0	ug/L			12/06/24 01:21	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 01:21	1
Toluene	ND		1.0	ug/L			12/06/24 01:21	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 01:21	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	105		43 - 158				12/06/24 01:21	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-12R**  
**Date Collected: 12/03/24 10:15**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-6**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 01:43	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 01:43	1
Toluene	ND		1.0	ug/L			12/06/24 01:43	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 01:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	93		43 - 158				12/06/24 01:43	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-1R**  
**Date Collected: 12/03/24 10:40**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-7**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 02:26	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 02:26	1
Toluene	ND		1.0	ug/L			12/06/24 02:26	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 02:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	95		43 - 158				12/06/24 02:26	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-25**  
**Date Collected: 12/03/24 11:55**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-8**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1000		50	ug/L			12/06/24 14:30	50
Ethylbenzene	370		50	ug/L			12/06/24 14:30	50
Toluene	4100		50	ug/L			12/06/24 14:30	50
Xylenes, Total	3200		100	ug/L			12/06/24 14:30	50
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		43 - 158				12/06/24 14:30	50

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-1**

**Lab Sample ID: 885-16343-9**

**Date Collected: 12/03/24 12:40**

**Matrix: Water**

**Date Received: 12/05/24 06:35**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 14:51	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 14:51	1
Toluene	ND		1.0	ug/L			12/06/24 14:51	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 14:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		43 - 158				12/06/24 14:51	1

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: SVE-1R**  
**Date Collected: 12/03/24 13:00**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-10**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/06/24 03:30	1
Ethylbenzene	ND		1.0	ug/L			12/06/24 03:30	1
Toluene	ND		1.0	ug/L			12/06/24 03:30	1
Xylenes, Total	ND		2.0	ug/L			12/06/24 03:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	96		43 - 158				12/06/24 03:30	1

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: SVE-3**  
 Date Collected: 12/03/24 13:25  
 Date Received: 12/05/24 06:35

**Lab Sample ID: 885-16343-11**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	47		2.0	ug/L			12/06/24 03:52	2
Ethylbenzene	83		2.0	ug/L			12/06/24 03:52	2
Toluene	130		2.0	ug/L			12/06/24 03:52	2
Xylenes, Total	1100		10	ug/L			12/06/24 15:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144		43 - 158		12/06/24 03:52	2
4-Bromofluorobenzene (Surr)	122		43 - 158		12/06/24 15:13	5

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: SVE-2**  
 Date Collected: 12/03/24 13:50  
 Date Received: 12/05/24 06:35

**Lab Sample ID: 885-16343-12**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	610		100	ug/L			12/06/24 15:35	100
Ethylbenzene	340		100	ug/L			12/06/24 15:35	100
Toluene	ND		2.0	ug/L			12/06/24 04:35	2
<b>Xylenes, Total</b>	<b>2500</b>		200	ug/L			12/06/24 15:35	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	43 - 158		12/06/24 04:35	2
4-Bromofluorobenzene (Surr)	102		43 - 158		12/06/24 15:35	100

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-18**  
 Date Collected: 12/03/24 14:15  
 Date Received: 12/05/24 06:35

**Lab Sample ID: 885-16343-13**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	630		50	ug/L			12/06/24 04:57	50
Ethylbenzene	85		5.0	ug/L			12/06/24 05:18	5
Toluene	ND		5.0	ug/L			12/06/24 05:18	5
<b>Xylenes, Total</b>	<b>150</b>		10	ug/L			12/06/24 05:18	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		43 - 158				12/06/24 04:57	50
4-Bromofluorobenzene (Surr)	101		43 - 158				12/06/24 05:18	5

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### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-2**

**Lab Sample ID: 885-16343-14**

Date Collected: 12/03/24 14:40

Matrix: Water

Date Received: 12/05/24 06:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1000		50	ug/L			12/06/24 05:40	50
Ethylbenzene	310		50	ug/L			12/06/24 05:40	50
Toluene	ND		5.0	ug/L			12/06/24 06:22	5
<b>Xylenes, Total</b>	<b>2700</b>		100	ug/L			12/06/24 05:40	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		43 - 158		12/06/24 05:40	50
4-Bromofluorobenzene (Surr)	120		43 - 158		12/06/24 06:22	5

### Client Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-11**  
 Date Collected: 12/03/24 15:00  
 Date Received: 12/05/24 06:35

**Lab Sample ID: 885-16343-15**  
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	580		50	ug/L			12/06/24 15:57	50
Ethylbenzene	440		50	ug/L			12/06/24 15:57	50
Toluene	20		1.0	ug/L			12/06/24 06:44	1
<b>Xylenes, Total</b>	<b>5100</b>		100	ug/L			12/06/24 15:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	285	S1+	43 - 158		12/06/24 06:44	1
4-Bromofluorobenzene (Surr)	105		43 - 158		12/06/24 15:57	50

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### QC Sample Results

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

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

Lab Sample ID: MB 885-17182/31  
 Matrix: Water  
 Analysis Batch: 17182

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/05/24 21:23	1
Ethylbenzene	ND		1.0	ug/L			12/05/24 21:23	1
Toluene	ND		1.0	ug/L			12/05/24 21:23	1
Xylenes, Total	ND		2.0	ug/L			12/05/24 21:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		43 - 158		12/05/24 21:23	1

Lab Sample ID: LCS 885-17182/30  
 Matrix: Water  
 Analysis Batch: 17182

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	18.0		ug/L		90	70 - 130
Ethylbenzene	20.0	18.9		ug/L		94	70 - 130
Toluene	20.0	18.4		ug/L		92	70 - 130
Xylenes, Total	60.0	55.7		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		43 - 158

# QC Association Summary

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

## GC VOA

### Analysis Batch: 17182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16343-1	MW-19	Total/NA	Water	8021B	
885-16343-2	MW-23	Total/NA	Water	8021B	
885-16343-3	MW-22	Total/NA	Water	8021B	
885-16343-4	MW-24	Total/NA	Water	8021B	
885-16343-5	MW-13	Total/NA	Water	8021B	
885-16343-6	MW-12R	Total/NA	Water	8021B	
885-16343-7	MW-1R	Total/NA	Water	8021B	
885-16343-10	SVE-1R	Total/NA	Water	8021B	
885-16343-11	SVE-3	Total/NA	Water	8021B	
885-16343-12	SVE-2	Total/NA	Water	8021B	
885-16343-13	MW-18	Total/NA	Water	8021B	
885-16343-13	MW-18	Total/NA	Water	8021B	
885-16343-14	MW-2	Total/NA	Water	8021B	
885-16343-14	MW-2	Total/NA	Water	8021B	
885-16343-15	MW-11	Total/NA	Water	8021B	
MB 885-17182/31	Method Blank	Total/NA	Water	8021B	
LCS 885-17182/30	Lab Control Sample	Total/NA	Water	8021B	

### Analysis Batch: 17250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16343-8	MW-25	Total/NA	Water	8021B	
885-16343-9	MW-1	Total/NA	Water	8021B	
885-16343-11	SVE-3	Total/NA	Water	8021B	
885-16343-12	SVE-2	Total/NA	Water	8021B	
885-16343-15	MW-11	Total/NA	Water	8021B	

# Lab Chronicle

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-19**

**Date Collected: 12/02/24 12:55**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/05/24 23:54

**Client Sample ID: MW-23**

**Date Collected: 12/02/24 13:35**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 00:16

**Client Sample ID: MW-22**

**Date Collected: 12/02/24 14:10**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 00:38

**Client Sample ID: MW-24**

**Date Collected: 12/02/24 14:40**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 00:59

**Client Sample ID: MW-13**

**Date Collected: 12/03/24 09:30**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 01:21

**Client Sample ID: MW-12R**

**Date Collected: 12/03/24 10:15**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 01:43

**Client Sample ID: MW-1R**

**Date Collected: 12/03/24 10:40**

**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 02:26

Eurofins Albuquerque

# Lab Chronicle

Client: Ensolum LLC  
 Project/Site: Lateral K-12

Job ID: 885-16343-1

**Client Sample ID: MW-25**  
**Date Collected: 12/03/24 11:55**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	17250	AT	EET ALB	12/06/24 14:30

**Client Sample ID: MW-1**  
**Date Collected: 12/03/24 12:40**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17250	AT	EET ALB	12/06/24 14:51

**Client Sample ID: SVE-1R**  
**Date Collected: 12/03/24 13:00**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 03:30

**Client Sample ID: SVE-3**  
**Date Collected: 12/03/24 13:25**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	17182	AT	EET ALB	12/06/24 03:52
Total/NA	Analysis	8021B		5	17250	AT	EET ALB	12/06/24 15:13

**Client Sample ID: SVE-2**  
**Date Collected: 12/03/24 13:50**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	17182	AT	EET ALB	12/06/24 04:35
Total/NA	Analysis	8021B		100	17250	AT	EET ALB	12/06/24 15:35

**Client Sample ID: MW-18**  
**Date Collected: 12/03/24 14:15**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	17182	AT	EET ALB	12/06/24 04:57
Total/NA	Analysis	8021B		5	17182	AT	EET ALB	12/06/24 05:18

**Client Sample ID: MW-2**  
**Date Collected: 12/03/24 14:40**  
**Date Received: 12/05/24 06:35**

**Lab Sample ID: 885-16343-14**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	17182	AT	EET ALB	12/06/24 05:40

Eurofins Albuquerque

# Lab Chronicle

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-16343-1

## Client Sample ID: MW-2

Date Collected: 12/03/24 14:40

Date Received: 12/05/24 06:35

## Lab Sample ID: 885-16343-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	17182	AT	EET ALB	12/06/24 06:22

## Client Sample ID: MW-11

Date Collected: 12/03/24 15:00

Date Received: 12/05/24 06:35

## Lab Sample ID: 885-16343-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17182	AT	EET ALB	12/06/24 06:44
Total/NA	Analysis	8021B		50	17250	AT	EET ALB	12/06/24 15:57

### Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# Accreditation/Certification Summary

Client: Ensolum LLC  
Project/Site: Lateral K-12

Job ID: 885-16343-1

## Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

### Chain-of-Custody Record

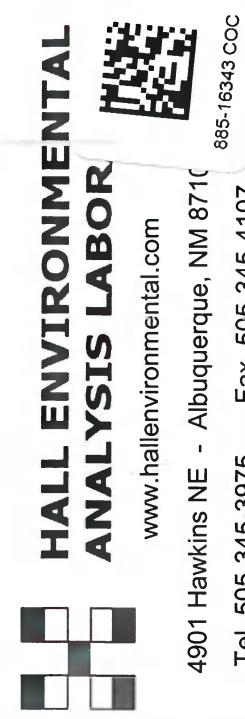
Client: Enterprise Field Services  
 Mailing Address:  
 Phone #: 816-266-8732  
 email or Fax#: WWeichert@ensolvum.com  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  Other  
 NELAC  Other  
 EDD (Type) Excel

Turn-Around Time:  
 5-day Standard  Rush  
 Project Name:  
Lateral K-12  
 Project #:  
05B1226001

Project Manager:  
Joseph Doyk (j.doyk@ensolvum.com)  
WKS Weichert (WWeichert@ensolvum.com)  
 Sampler: W. Weichert  
 On Ice:  Yes  No  
 # of Coolers: 1 40g  
 Cooler Temp (including CF): 65 to 3:48 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12/2/24	12:55	GW	MW-19	3 VOA	HCl	1
	13:35		MW-23			2
	14:10		MW-22			3
	14:40		MW-24			4
12/3/24	9:30		MW-13			5
	10:15		MW-12 R			6
	10:40		MW-1 R			7
	11:55		MW-25			8
	12:40		MW-1			9
	13:00		SVE-1 R			10
	13:25		SVE-3			11
	13:50		SVE-2			12

Received by: WWeichert Date: 12/4/24 Time: 1406  
 Received by: [Signature] Date: 12/5/24 Time: 6:35



**HALL ENVIRONMENTAL ANALYSIS LABOR**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87110  
 Tel. 505-345-3975 Fax 505-345-4107  
 885-16343 COC

Analysis Request

Analysis Request	Remarks
BTEX / MTBE / TMB's (6021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

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.



# Chain-of-Custody Record

Client: Enterprise Field Services

Mailing Address:

Phone #: 816-266-8732

email or Fax#: W.Weichert@ensolium.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type) excel

Turn-Around Time:

Standard  Rush

Project Name:

Lateral K-12

Project #:

OSB12Z6001

Project Manager:

Joseph Doyle (jdoyle@ensolium.com)  
Wes Weichert (wweichert@ensolium.com)

Sampler: W. Weichert

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 0.5 to 3 to 0.8 (°C)

Container Type and #

Preservative Type

HEAL No.

3VOA

HCl

B

↓

↓

14

3ROA

HCl

15

SCM

12/5/24

Date Time Matrix Sample Name

12/3/24 14:15 GW MW-18

↓ 14:40 ↓ MW-2

12/3 15:00 GW MW-11

Date Time Relinquished by:

12/4 14:00 W. Weichert

Date Time Relinquished by:

12/10/24 17:30 W. Weichert

Received by: W. Weichert

Via: Car Wash

Date: 12/4/24

Time: 14:00

Received by: W. Weichert

Via: Car Wash

Date: 12/5/24

Time: 6:35

Remarks:

## Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX

MTBE

TMS (8021)



### Login Sample Receipt Checklist

Client: Ensolum LLC

Job Number: 885-16343-1

SDG Number:

**Login Number: 16343**

**List Number: 1**

**Creator: McQuiston, Steven**

**List Source: Eurofins Albuquerque**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 444232

**CONDITIONS**

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 444232
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Accepted for record.	3/11/2026