



ENSOLUM

REVISED STAGE 2 ABATEMENT PLAN

Property:

Lateral K-31 Pipeline Release (12/02/2011)
SW ¼, S16 T25N R6W
Rio Arriba County, New Mexico

New Mexico EMNRD OCD RP No. 3RP-440
Abatement Plan No. 129
Incident ID No. NBBB1219848468

March 12, 2025

Ensolum Project No. 05B1226002

Prepared for:

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EXECUTIVE SUMMARY

Ensolum, LLC (Ensolum) has prepared this *Revised Stage 2 Abatement Plan* for the Enterprise Field Services, LLC (Enterprise) Lateral K-31 Pipeline Release (12/02/2011) site located southwest (SW) 1/4 of Section 16, Township 25 North, Range 6 West, in Rio Arriba County, New Mexico (36.393827° N, 107.475065° W), hereinafter referred to as the "Site."

In response to the New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division (OCD) letter dated January 22, 2019, notifying Enterprise that an abatement plan is required due to the release, Ensolum prepared the *Stage 1 Abatement Plan* (Ensolum, March 21, 2019) defining site conditions such that an effective abatement option can be selected. The *Stage 1 Abatement Plan* was submitted on March 22, 2019, and revised on May 7, 2019. Enterprise submitted the 2020 *Supplemental Environmental Site Investigation and Groundwater Monitoring Report* (Ensolum, February 3, 2022) on March 16, 2022, which was approved by OCD on August 28, 2023.

Based on groundwater analytical results from 2020 through 2022 and discussions with the OCD in 2022 and 2023, Ensolum prepared the *Abatement Completion Report* (Ensolum, July 26, 2023). Enterprise submitted the report to the OCD on November 20, 2023. The *Abatement Completion Report* detailed supplemental environmental site investigation (SESI) and groundwater monitoring activities through 2022 and requested that the OCD and the New Mexico State Land Office (SLO) evaluate the Site for closure. The request for closure was based on laboratory analytical results demonstrating that constituents of concern (COCs) were not detected in groundwater at the Site over at least seven consecutive sampling events. Based on the discussion with the OCD, groundwater monitoring activities at the Site were suspended in 2023 and 2024 pending the OCD's review of the *Abatement Completion Report*.

On October 18, 2024, the OCD rejected the *Abatement Completion Report* and requested a remedial option to address the residual COC impact in soil. In an email dated November 14, 2024, the OCD requested that a Stage 2 Abatement Plan be prepared and submitted by January 13, 2025. Ensolum prepared the *Stage 2 Abatement Plan* (Ensolum, December 30, 2024) and Enterprise submitted it to the OCD on January 13, 2025. On February 20, 2025, Enterprise received correspondence from the OCD rejecting the *Stage 2 Abatement Plan* as *not satisfactory for approval based on the following*:

1. *As per New Mexico Administrative Code (NMAC) 19.15.30.13 , paragraph (b), the Stage 2 Abatement Plan must include a description of all options considered for abatement with justification as to why monitored natural attenuation has been chosen. Include a description and reasoning as to why other remediation options were not chosen, individually.*
2. *Include a description of the current situation at the site as there is only information as recently as 2022. If there has been no monitoring activity conducted, please include that narrative, otherwise, update to reflect through 2024.*
3. *Please upload the Stage 1 Abatement Plan that was approved in 2019. There is currently no record in the online incident file.*
4. *Please revise the Stage 2 Abatement Plan and submit no later than thirty (30) days from today, March 21, 2025.*

This *Revised Stage 2 Abatement Plan* provides a general Site description, background information, and a brief description of the current situation at the Site. Additionally, this *Revised Stage 2 Abatement Plan* includes the following:

- Development and assessment of abatement options to remediate the residual COC concentrations in soil in excess of the applicable OCD closure criteria;
- A description, justification, and design of the preferred abatement option;
- A proposed modification to the groundwater monitoring program;
- Proposed Site maintenance activities following abatement activities;
- A proposed schedule for abatement activities; and,
- Public notification monitoring activities in accordance with NMAC 19.15.30.

This *Revised Stage 2 Abatement Plan* also addresses the previously noted comments made by the OCD regarding the original *Stage 2 Abatement Plan*. Revisions to address the OCD's comments are provided as follows:

OCD Request	OCD Request	Revisions / Responses
1.	Description of abatement options considered and justification for abatement option selected	See Section 4.0
2.	Narrative regarding suspension of groundwater monitoring	See Section 1.2
2.	Description of current situation at the Site including current groundwater analytical results	See Section 2.0
3.	Upload Stage 1 Abatement Plan	Completed on March 6, 2025

Based on the findings detailed in this *Revised Stage 2 Abatement Plan*, Ensolum offers the following recommendations:

- Based on the laboratory analytical results for eight consecutive groundwater sampling events demonstrating that groundwater is not impacted at this Site and compliance with the standards and requirements set forth in NMAC 19.15.30.9 has been achieved, request concurrence from the OCD that the groundwater monitoring program at the Site is considered complete and that no additional groundwater sampling is necessary.
- Request that the OCD approve this *Revised Stage 2 Abatement Plan* and approve the remedial option proposed to address the remaining residual soil impacts.

1.0 INTRODUCTION

1.1 Site Clean Up Goals

Based on the findings of the *Stage 1 Abatement Plan* including the identified siting criteria, cleanup goals for soils remaining in place at the Site were determined to be the following: 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total BTEX (sum of benzene, toluene, ethylbenzene, and total xylenes constituents), 100 mg/kg for total combined total petroleum hydrocarbons (TPH) (sum of gasoline range, diesel range, and motor oil range constituents), and 600 mg/kg for chlorides.



The cleanup/delineation goals for groundwater at the Site were determined to be the following: 10 micrograms per liter ($\mu\text{g/L}$) for benzene, 750 $\mu\text{g/L}$ for toluene, 750 $\mu\text{g/L}$ for ethylbenzene, and 620 $\mu\text{g/L}$ for total xylenes.

1.2 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC
Site Name:	Lateral K-31 Pipeline Release (12/02/2011)
OCD Incident ID No.	NBBB1219848468
Location:	36.393827° N, 107.475065° W Southwest (SW) $\frac{1}{4}$ of Section 16, Township 25 North, Range 6 West Rio Arriba County, New Mexico
Property:	NM SLO
Regulatory Agency:	OCD

On December 2, 2011, a pipeline release of natural gas and associated pipeline liquids from the Lateral K-31 pipeline was discovered at the Site. The pipeline was subsequently repaired. The Site is subject to regulatory oversight by the OCD. To address activities related to oil and gas releases, the OCD references NMAC 19.15.29 (*Releases*), which establishes investigation and abatement action requirements for sites that are subject to reporting and/or corrective action. Additionally, the OCD utilizes the New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs) identified in NMAC 20.6.2 (*Ground and Surface Water Protection*) to evaluate groundwater conditions.

Animas Environmental Services, LLC (AES) conducted Site assessment activities on December 8, 2011. The assessment included the collection of soil samples from four test holes (TP-1 through TP-4) completed near the release area and a groundwater sample from an existing off-Site monitoring well located south of the release location that was associated with another operator's release site. COCs were identified in soils from two of the test holes (TP-3 and TP-4) at concentrations greater than the applicable OCD closure criteria. The off-Site groundwater sample did not exhibit COC concentrations greater than the applicable WQCC GQS.

In March 2012, AES advanced 12 soil borings (SB-1 through SB-12) at the Site to further delineate the extent of hydrocarbon affected soil and potentially impacted groundwater. Based on laboratory analytical results for soil and groundwater samples collected from the soil borings, COC concentrations in soil and groundwater were greater than the applicable OCD closure criteria and the applicable WQCC GQSs, respectively (*Site Investigation Report*, AES, May 16, 2012).

In August and September 2012, AES performed groundwater investigation activities and advanced nine additional soil borings to further evaluate the extent of dissolved phase COCs in groundwater. The soil borings were completed as groundwater monitoring wells (MW-1 through MW-9). COC concentrations greater than the OCD closure criteria were not identified in soil at these monitoring well/soil boring locations. However, COC concentrations greater than the applicable WQCC GQSs were identified in groundwater (*Groundwater Investigation Report*, AES, November 28, 2012).

Groundwater monitoring events were conducted by AES in December 2012, June 2013, September 2013, and December 2013. Enterprise retained Apex TITAN, Inc., (Apex) to perform environmental Site investigation activities between 2016 and 2018. Following a staffing change at Apex in February 2019, Enterprise reassigned management of the project to Ensolum.

In May 2019, Ensolum prepared, and Enterprise submitted, the *Stage 1 Abatement Plan* to the OCD. The plan proposed monitoring well installation, delineation activities, and groundwater sampling events prior to the submittal of a Stage 2 Abatement Plan.

In October 2020, Ensolum advanced three soil borings and completed all three soil borings as permanent monitoring wells MW-2R, MW-10, and MW-11. COC concentrations greater than the OCD closure criteria were identified in soil at MW-2R. However, COC concentrations greater than the applicable WQCC GQSs were not identified in groundwater (2020 *Supplemental Environmental Site Investigation and Groundwater Monitoring Report*, Ensolum, February 3, 2022).

In May 2022, Ensolum conducted additional SESI activities and advanced five soil borings (SB-13 through SB-17) to evaluate concentrations of COCs in soil near the historical release point. Two soil samples, collected from soil borings SB-14 (184 mg/kg) and SB-15 (220 mg/kg) exhibited total combined TPH concentrations greater than the applicable OCD soil closure criteria of 100 milligrams per kilogram (mg/kg), while BTEX and chloride concentrations were either not detected or were less than the applicable OCD soil closure criteria. COC concentrations in soil samples collected SB-13, SB-16, and SB-17 were either not detected or were less than the OCD soil closure criteria.

Ensolum performed regularly scheduled groundwater monitoring activities between 2019 and December 2022, the results of which were documented in the following reports:

- *2019 Groundwater Monitoring Report*, Ensolum, November 11, 2020
- *2020 Supplemental Environmental Site Investigation and Groundwater Monitoring Report*, Ensolum, February 3, 2022
- *2021 Groundwater Monitoring Report*, Ensolum, March 28, 2022
- *Abatement Completion Report*, Ensolum, July 26, 2023

Based on groundwater analytical results from 2020 through 2022 and discussions with the OCD in 2022 and 2023, Ensolum prepared the *Abatement Completion Report*. Enterprise submitted the report to the OCD on November 20, 2023. The *Abatement Completion Report* detailed SESI and groundwater monitoring activities through 2022 and requested that the OCD and the SLO evaluate the Site for closure. The request for closure was based on laboratory analytical results demonstrating that COCs were not detected in groundwater at the Site over at least seven consecutive sampling events. Based on the discussion with the OCD, groundwater monitoring activities at the Site were suspended in 2023 and 2024 pending the OCD's review of the *Abatement Completion Report*, which occurred between November 2023 and October 2024.

On October 18, 2024, the OCD rejected the *Abatement Completion Report* and requested a remedial option to address the residual COC impact in soil. In an email dated November 14, 2024, the OCD requested that a Stage 2 Abatement Plan be prepared and submitted by January 13, 2025. Ensolum prepared the *Stage 2 Abatement Plan* (Ensolum, December 30, 2024) and Enterprise submitted it to the OCD on January 13, 2025. On February 20, 2025, Enterprise received correspondence from the OCD rejecting the *Stage 2 Abatement Plan* and requested that a revised *Stage 2 Abatement Plan* be submitted.

As recommended in the *Stage 2 Abatement Plan*, Ensolum conducted a groundwater monitoring event at the Site on January 31 and February 3, 2025 to evaluate current groundwater conditions; the results of which are discussed further in **Section 2.2**.

A topographic map of the Site, reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map, a Site vicinity map based on an aerial photograph, and a Site Map depicting the approximate locations of the historical release, monitor wells, test holes, and soil boring locations in relation to pertinent structures and general Site boundaries are included as **Figure 1**, **Figure 2**, and **Figure 3**, respectively, in **Appendix A**.

1.3 Project Objective

The objective of this *Revised Stage 2 Abatement Plan* is to excavate and dispose of residually impacted soils at the Site, collect confirmation soil samples, and perform Site restoration activities (including backfilling and grading the excavation) to demonstrate compliance with the abatement standards and requirements of Subsections A, B, and D of NMAC 19.15.30.9.

2.0 CURRENT SITE CONDITIONS

2.1 Residual Hydrocarbon Impact in Soil

Historical laboratory analytical data indicated that TPH, benzene, and total BTEX concentrations previously exceeded the applicable OCD soil closure criteria in soil samples collected by AES in 2011 and 2012 from the following locations and subsurface depth intervals (approximated in feet below ground surface (ft bgs)):

Sample ID	Date	Sample Depth	Benzene	Total BTEX	Total TPH
		(ft bgs)	(mg/kg)		
Closure Criteria (mg/kg)			10	50	100
TP-3	12.08.2011	15	3.7	432	4,700
TP-4	12.08.2011	15	8.0	982	8,800
SB-1	03.15.2012	10	<0.49	5.6	279
SB-9	03.16.2012	10	0.51	31	440
		14	29	1,153	8,700
SB-11	03.16.2012	10	0.67	108	1,340

Note: Bold and highlighted concentrations exceed the applicable Closure Criteria.

COC concentrations in the remaining soil samples collected by AES were either not detected or were less than the OCD soil closure criteria.

During Ensolum's SESI activities in 2020 and 2022, three soil samples exhibited total combined TPH concentrations greater than the applicable OCD soil closure criteria, while BTEX and chloride concentrations were either not detected or were less than the applicable OCD soil closure criteria. The locations and subsurface depth intervals (approximated in ft bgs) are summarized in the following table:

Sample ID	Date	Sample Depth	Benzene	Total BTEX	Total TPH
		(ft bgs)	(mg/kg)		
Closure Criteria (mg/kg)			10	50	100
MW-2R	10.20.2020	11 – 13	0.12	5.0	175
SB-14	05.26.2022	12 – 14	<0.12	5.7	184
SB-15	05.26.2022	10 – 12	<0.12	1.7	220

Note: Bold and highlighted concentrations exceed the applicable Closure Criteria.

COC concentrations in the remaining soil samples collected by Ensolum were either not detected or were less than the OCD soil closure criteria.

Based on the laboratory analytical results of Ensolum's SESI activities compared to AES's historical soil analytical data, COC concentrations in soil near the historical release point appear to have naturally attenuated to an extent. However, residual TPH impacted soil appears to still be present in the area of the historical release point. Based on historical and more recent soil analytical data, the approximate area of residual impact appears to be approximately 2,020 square feet (sq ft) and approximately 9 to 15 ft bgs, predominantly centered around the historical release point. A site map with the soil analytical results discussed above is included as **Figure 5** of **Appendix A**. Soil analytical results, including data from previous site investigations, are summarized in **Table 1** of **Appendix B**.

2.2 Groundwater Conditions

Ensolum conducted a groundwater monitoring event at the Site on January 31 and February 3, 2025, to evaluate current groundwater conditions. Based on laboratory analytical results, COC concentrations were not detected in groundwater at concentrations greater than the laboratory practical quantitation limits (PQLs)/reporting limits (RLs), which were less than WQCC GQSs.

In addition, COC concentrations have not exceeded the applicable WQCC GQSs in any monitoring well at the Site since December 2017 (13 consecutive sampling events) and COC concentrations have not been detected in any monitoring well at the Site since December 2020 (eight consecutive sampling events). Therefore, based on laboratory analytical results, groundwater is not impacted at this Site.

Furthermore, historical and current laboratory analytical results provide sufficient evidence that residual COC concentrations in the vadose zone have not and will not, with reasonable probability, contaminate groundwater or surface water in excess of the standards in Subsection B and Subsection C of NMAC 19.15.30.9, through leaching, percolation or other transport mechanisms, or as the water table elevation fluctuates.

A potentiometric surface map for the January 2025 groundwater monitoring event is included as **Figure 4** of **Appendix A**. Groundwater analytical results and groundwater elevations are summarized in **Table 2** and **Table 3**, respectively, of **Appendix B**. The executed chain-of-custody forms and laboratory data reports are provided in **Appendix C**. No data qualifier flags were associated with the January/February 2025 analytical results.

3.0 PROPOSED GROUNDWATER MONITORING PROGRAM

As discussed in **Section 1.2**, groundwater monitoring activities at the Site were suspended in 2023 and 2024 based on the discussion with the OCD and pending the OCD's review of the *Abatement Completion Report*, which occurred between November 2023 and October 2024. However, as proposed in the *Stage 2 Abatement Plan*, dated December 30, 2024, Ensolum conducted one groundwater monitoring event on January 31 and February 3, 2025 to evaluate current groundwater conditions.

Based on the laboratory analytical results of the 2025 groundwater monitoring event, COC concentrations were not detected in groundwater at concentrations greater than the laboratory PQLs/RLs, which were less than WQCC GQs. In addition, COC concentrations have not exceeded the applicable WQCC GQs in any monitoring well at the Site for 13 consecutive sampling events since December 2017, and COC concentrations have not been detected in any monitoring well at the Site for eight consecutive sampling events since December 2020.

Therefore, laboratory analytical results for eight consecutive groundwater sampling events demonstrate that groundwater is not impacted at this Site and compliance with the standards and requirements set forth in NMAC 19.15.30.9 has been achieved. Accordingly, no additional groundwater sampling appears to be necessary. It is requested that the OCD provide concurrence that the groundwater monitoring program at this Site is considered complete.

4.0 PROPOSED SOIL ABATEMENT OPTION

Historical and current laboratory analytical results provide sufficient evidence that residual COC concentrations in the vadose zone have not, and will not, with reasonable probability, contaminate groundwater or surface water, in excess of the standards in Subsections B and C of NMAC 19.15.30.9, through leaching, percolation or other transport mechanisms, or as the water table elevation fluctuates. However, the OCD, in correspondence dated October 18, 2024, requested a proposed plan to complete remediation of the central-southern area in the footprint of the release area to address the remaining soil impact.

As discussed in **Section 2.1**, the approximate area of residual TPH impacted soil appears to be approximately 2,020 sq ft and approximately 9 to 15 ft bgs, predominantly centered around the historical release point. A Site map with the soil analytical results is included as **Figure 5** of **Appendix A**. Soil analytical results are summarized in **Table 1** of **Appendix B**.

Multiple remedial options for the abatement of impacted soils were evaluated. A description of all options considered for abatement, justification for the selected option, and reasoning why the other options were not selected is included in the following table:

Remedial Option Description	Determination	Evaluation
Air sparge wells	Not Selected	Based on the low levels of TPH concentrations in the soil, the limited extent of the impacted area, the lithology of the impacted zone, and the lack of accessible power supply at this remote Site, air sparging was determined to be an infeasible/technically impracticable option.

Remedial Option Description	Determination	Evaluation
Soil vapor extraction (SVE)	Not Selected	Based on the low levels of TPH concentrations in the soil, the limited extent of the impacted area, the lithology of the impacted zone, and the lack of accessible power supply at this remote Site, SVE was determined to be an infeasible/technically impracticable option.
Bioventing	Not Selected	Based on the low levels of TPH concentrations in the soil, the limited extent of the impacted area, and the lithology at the Site, bioventing was determined to not be an effective/viable option at this Site.
In-situ injection / remediation	Not Selected	Based on the low levels of TPH concentrations in the soil, the limited extent of the impacted area, the lithology of the impacted zone, the proximity of impacted soils to the underlying groundwater unit and lack of impacted groundwater, in-situ remediation was determined to be an infeasible/technically impracticable option. Furthermore, in-situ remediation was determined to pose a significant risk of contaminating the underlying groundwater from mobilization of COCs in the vadose zone.
Excavation with off-Site disposal	Proposed	Excavation is considered the most viable remedial option considering the low levels of TPH concentrations in the soil, limited extent of the impacted area, the lithology of the impacted zone, the proximity of impacted soils to the underlying groundwater unit, and the lack of impacted groundwater on Site. Excavation was determined to present the lowest risk of contaminating the underlying groundwater from mobilization of COCs in the vadose zone. Furthermore, excavation was determined to be the safest, most expedient, and cost-effective option.

Based on laboratory analytical results for eight consecutive groundwater sampling events, groundwater is not impacted at this Site and compliance with the standards and requirements set forth in NMAC 19.15.30.9 has been achieved. Therefore, a groundwater abatement option does not appear to be necessary. It is requested that the OCD provide concurrence that the groundwater monitoring program at this Site is considered complete and that no additional groundwater monitoring is necessary.

4.1 Well Removal

Prior to commencing excavation activities, it is proposed that monitoring wells MW-1 and MW-2R will be plugged and abandoned due to their location within proposed excavation area. Plugging and abandonment activities will be conducted in accordance with applicable New Mexico Environmental Department (NMED) Ground Water Quality Bureau (GWQB) Monitoring Well Construction and Abandonment Guidelines and the New Mexico Office of the State Engineer well permit(s). These wells are not proposed for reinstallation.

4.2 Soil Remediation by Excavation

An estimated 450 cubic yards (cy) of residually impacted soils will be excavated from the source area for off-Site disposal. Prior to mechanical excavation activities, the subsurface pipelines within the proposed excavation area will be "daylighted" using hydro-excavation techniques.

Subsequent to “daylighting” the known subsurface utilities, mechanical excavation activities will proceed horizontally and vertically, to the extent practicable, to remove soils in exceedance of the NM ENMRD OCD closure criteria.

To the extent practicable, unimpacted overburden soils will be segregated and stockpiled on the Site pending confirmation sampling for potential reuse as backfill for the excavation. Based on soil boring logs and soil sample data (discussed in **Section 2.1**), it is anticipated that unimpacted overburden soils will be encountered from approximately 0 to 9 ft bgs. Excavated overburden will be segregated, screened, and sampled for potential reuse as backfill material.

Soil boring logs and soil sample data (discussed in **Section 2.1**) indicate that impacted soil will likely be encountered from approximately 9 to 15 ft bgs in an area approximately 2,020 sq ft, predominantly centered around the historical release point. Excavation activities will be guided utilizing a calibrated Dexsil PetroFLAG® hydrocarbon analyzer system and a calibrated photoionization detector (PID) fitted with a 10.6 eV lamp. Impacted soil that has been excavated will be transported off-Site to Envirotech, Inc.’s landfarm, a OCD permitted facility, for disposal/treatment.

Previous investigations have encountered groundwater at depths as shallow as approximately 16 ft bgs. While it is not anticipated at this time, saturated (wet) soils may be encountered during excavation activities. If necessary, saturated soils that are encountered will be placed within a lined containment and allowed to drain prior to hauling offsite. Drained liquids will be properly managed for disposal.

The planned extent of excavation is based on existing soil data. A site map depicting the approximate extent of excavation is provided as **Figure 3** in **Appendix A** and a site map with the soil analytical results is included as **Figure 5** in **Appendix A**.

4.3 Soil Sampling Program

During the completion of excavation activities, confirmation soil samples will be collected from the sidewalls and floor of the excavation and submitted for laboratory analyses. The soil sampling program will follow applicable NMAC 19.15.29.12 closure requirements and consist of the following:

- The collection of up to 10, five-point composite samples from the excavation walls and base during the completion of excavation activities. Composite samples will be representative of no more than 200 sq ft of the excavation floor and side wall areas.
- The collection of up to two, five-point composite samples from the stockpiled overburden.
- The collection of up to two, five-point composite sample from the imported backfill material.
- If applicable, individuals grab samples will be collected from any wet or discolored areas.

The soil samples will be collected in laboratory prepared glassware and placed on ice in a cooler to reduce and maintain a temperature of 4°C (±2°C). The sample cooler(s) will be secured with custody seals and the samples will be transported with a completed chain-of-custody form to a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory for analyses on a **rush (24-hour) turnaround**.

4.4 Soil Analytical Program

A summary of the analysis, sample type, sample frequency, and United States Environmental Protection Agency (EPA) approved methods (or equivalent) to be utilized is presented in the following table:

Analysis	Sample Type	No. of Samples	Method
COCs			
TPH GRO/DRO/ORO	Soil	14	SW-846 8015
BTEX			SW-846 8260
Chloride			EPA 300.0

Samples will be analyzed on a rush (24-hour) turnaround.

4.5 Health and Safety Plan

Prior to the start of excavation activities, Ensolum will develop a Site-specific Health and Safety Plan (H&SP) for the performance of the scope of services described in this abatement plan. For the purposes of this H&SP, it is assumed that the COCs may include volatile organic compounds (VOCs) and TPH. Ensolum assumes that the scope of services can be conducted under modified Level D personal protective equipment (PPE) to include fire retardant clothing (FRC), high visibility vest, hard hat, steel-toed boots, protective eyewear, and gloves. Should the need arise to upgrade PPE (e.g., respiratory protection), the client will be notified, and the H&SP will be modified accordingly.

Ensolum and the excavation contractor(s) will clear utilities through the New Mexico One Call System at least 48 hours in advance of the start of any intrusive subsurface activities and coordinate with local operators, stakeholders and the utility companies to evaluate the line locations.

5.0 SITE MAINTENANCE

Subsequent to the completion of excavation activities and receipt of confirmation soil sample results documenting that impacted soil has been removed, the excavation will be backfilled with clean, imported backfill material. The material will be compacted utilizing on-Site equipment and contoured to the surrounding grade by the excavation contractor. Enterprise may also choose to re-seed portions of the Site with an approved seeding mixture at the beginning of the next favorable growing season.

6.0 PROPOSED SCHEDULE

Public Notice

Enterprise will provide Public Notice within 15 days of notice from OCD that this Abatement Plan is administratively complete, as required per NMAC 19.15.30.15. Enterprise will provide written notice of the Stage 2 Abatement Plan to the following parties:



- Surface owners of record within one (1) mile of the perimeter of the identified impacted area as currently delineated in the Stage 1 Abatement Plan. The list of Landowners is provided in **Appendix D**;
- The County Commission of Rio Arriba County, New Mexico; and,
- The Office of Natural Resources Trustee for the State of New Mexico.

Please note the release was not identified to be within one mile of any city limits or tribal boundaries.

Enterprise understands that the OCD may request additional notification to persons or entities that have requested such, as well as other local, state, or federal governmental agencies upon approval of this *Revised Stage 2 Abatement Plan*.

Once approval is received, Enterprise will publish the OCD approved notice in the Rio Grande Sun, a newspaper circulated in Rio Arriba County, New Mexico, and in the Albuquerque Journal, a newspaper of general circulation across the state of New Mexico. The newspaper publications will run for a cycle of one business day.

Enterprise will issue public notice via the newspapers and certified mail within 15 days after the OCD has provided determination that this *Revised Stage 2 Abatement Plan* is administratively complete. Proposed verbiage for the public notice and a list of landowners within a one-mile radius are provided in **Appendix D**.

Field Activities

If no public comments are received within 30 days of posting public notice, Ensolum will proceed with permitting and scheduling remediation activities. Prior to any field work, Ensolum and/or Enterprise will provide the OCD with 48-hour notification. Proposed excavation activities are anticipated to commence within 60-days following OCD approval of this *Revised Stage 2 Abatement Plan*. However, this schedule is subject to subcontractor availability and weather delays.

Quarterly Progress Reports

In accordance with NMAC 19.15.30.13 D.(2), quarterly summary progress reports of this *Revised Stage 2 Abatement Plan* implementation will be submitted to the OCD beginning 30 days after the approval and initiation of the Stage 2 activities. At this time, the quarterly summary progress reports are anticipated to begin in July 2025.

Abatement Completion Report

Upon completion of remediation activities and receipt of the laboratory analytical results demonstrating that COC concentrations in soil remaining on-Site are less than the applicable OCD soil closure criteria, an Abatement Completion Report will be prepared. The Abatement Completion Report will include documentation of the field activities, data summary tables, a site plan detailing pertinent site features, a groundwater potentiometric surface map, a dissolved-phase concentration map (if applicable), COC concentration maps (if applicable), laboratory analytical reports, an evaluation of sampling results and a recommendation for no further action necessary (if applicable).

7.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

7.1 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).

7.2 Limitations

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

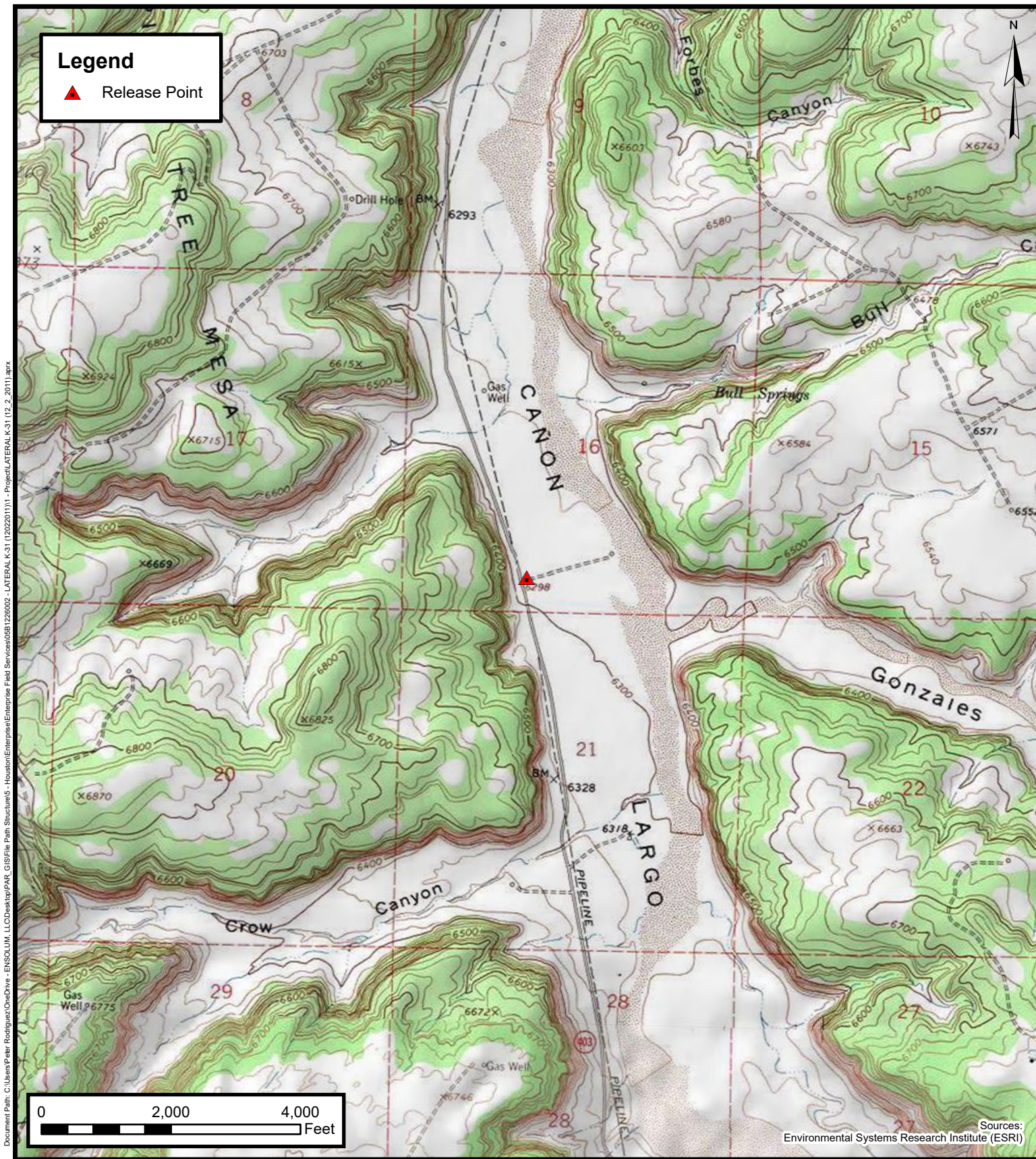
7.3 Reliance

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 Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures



Topographic Map
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 Project Number: 05B1226002
 SW ¼, S16 T25N R6W, Rio Arriba County, New Mexico
 36.393827° N, 107.475065° W

FIGURE
1

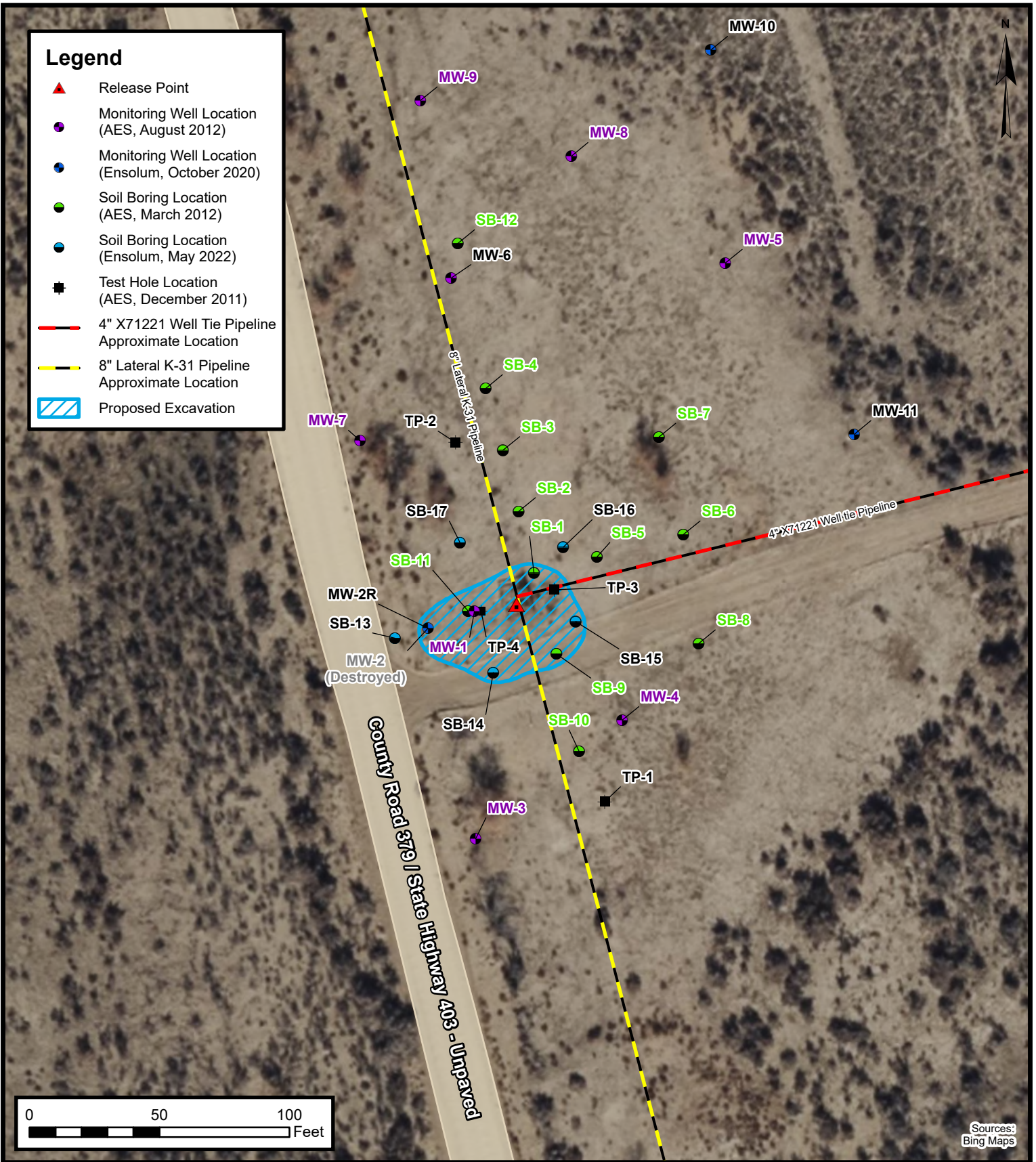
Document Path: C:\Users\Paer.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure5 - Houston\Enterprise\Enterprise Field Services\05B1226002 - LATERAL K-31 (12_2_2011).aprx



Site Vicinity Map
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 Project Number: 05B1226002
 SW ¼, S16 T25N R6W, Rio Arriba County, New Mexico
 36.393827° N, 107.475065° W

FIGURE
2

Document Path: C:\Users\Paer.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure5 - Houston\Enterprise\Enterprise Field Services\05B1226002 - LATERAL K-31 (12/02/2011) - Project\LATERAL K-31 (12_2_2011).aprx



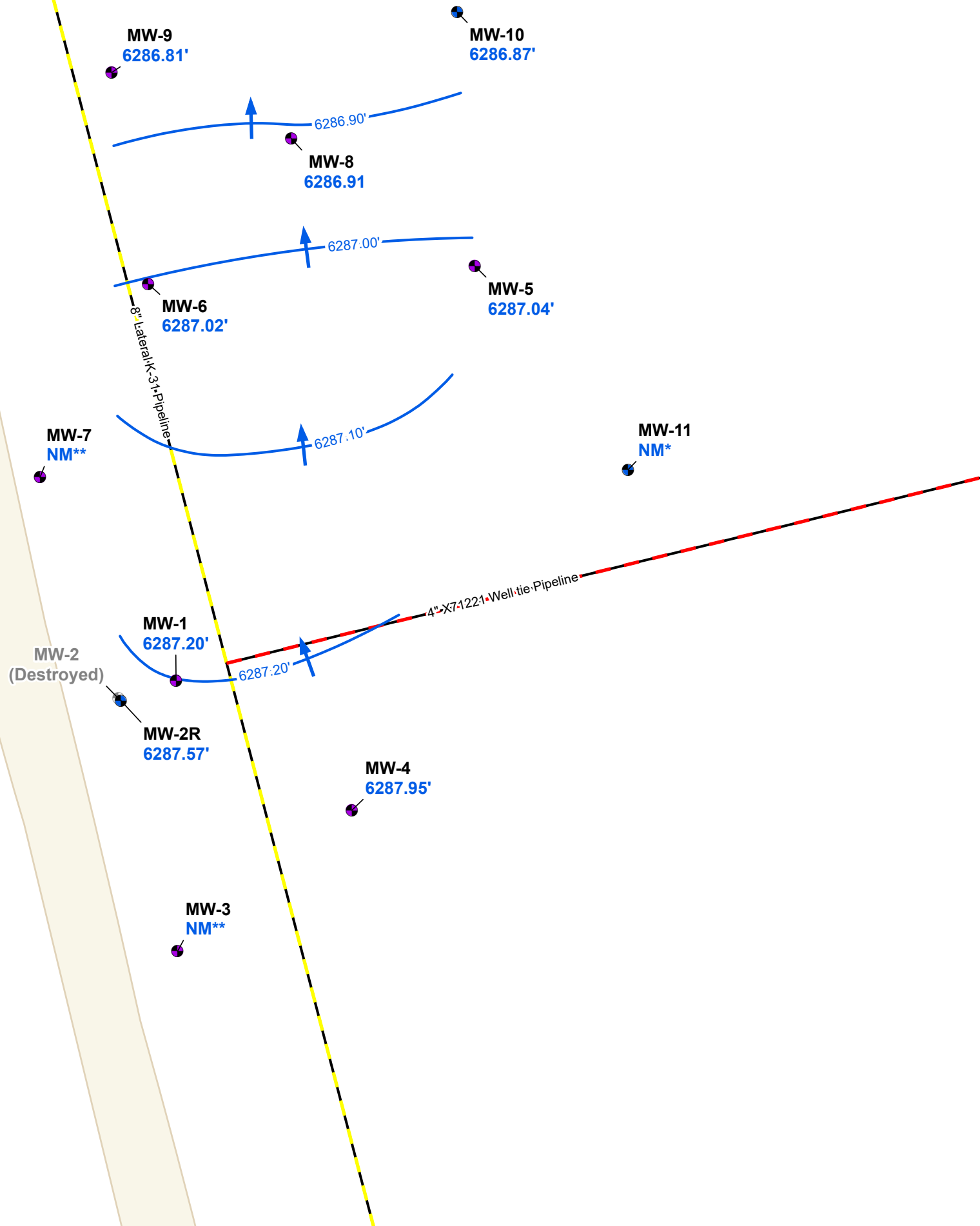
Site Map

Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 Project Number: 05B1226002
 SW ¼, S16 T25N R6W, Rio Arriba County, New Mexico
 36.393827° N, 107.475065° W

FIGURE
3



County Road 379 | State Highway 403 - Unpaved



LEGEND

- Release Point
- Monitoring Well Location (AES, August 2012)
- Monitoring Well Location (Ensolum, October 2020)
- Potentiometric Surface Contour
- Groundwater Gradient Direction
- 4" X71221 Well Tie Pipeline Approximate Location
- 8" Lateral K-31 Pipeline Approximate Location

Note:
 * Not measured due to obstruction (roots)
 ** Not measured due to blockage (road damage)



Potentiometric Surface Map January 2025

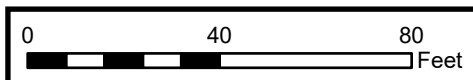
Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW ¼, S16 T25N R6W
 Rio Arriba County, New Mexico
 36.393827° N, 107.475065° W

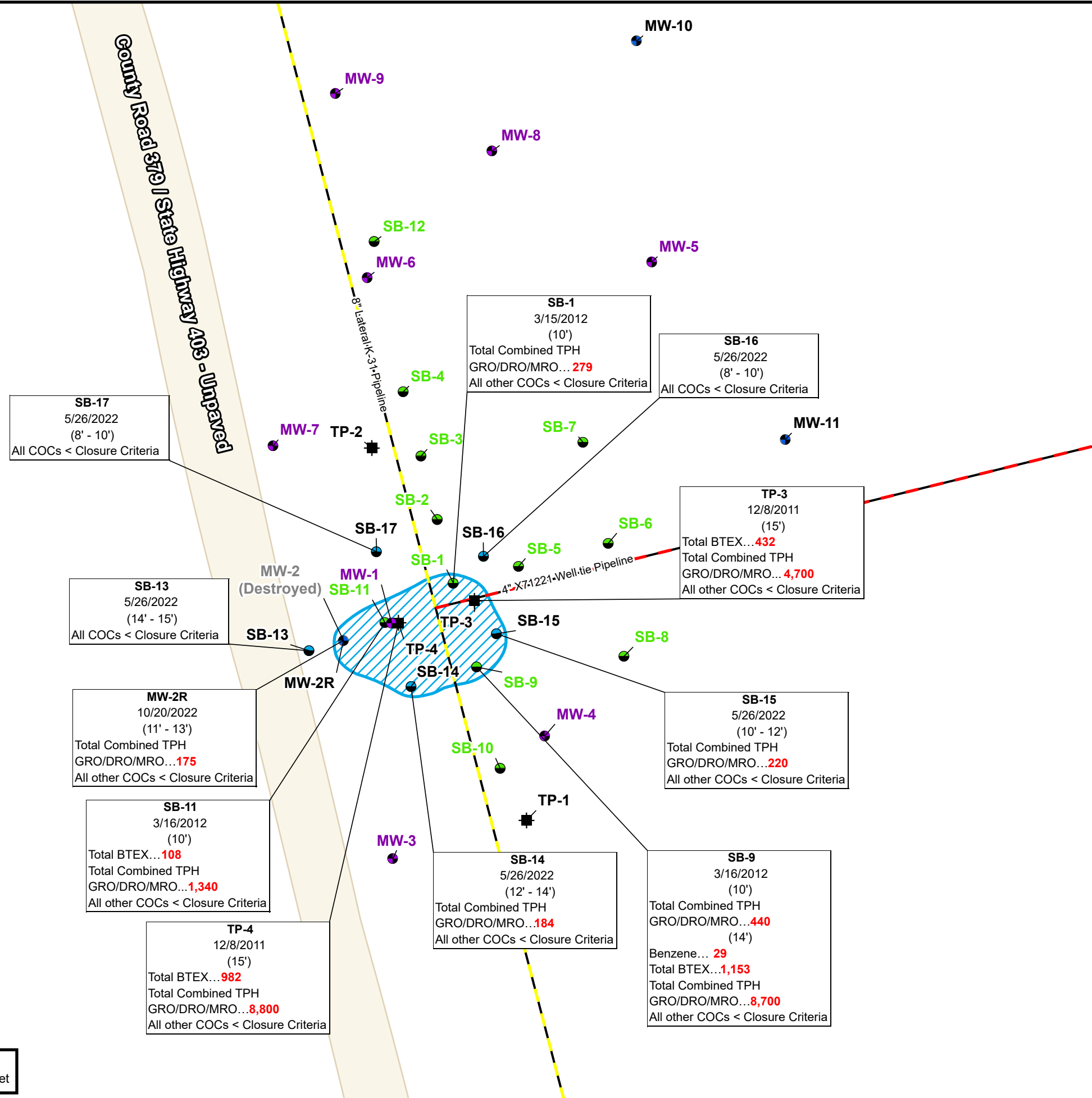
Figure

4

Project Number: 05B1226002

Note:
 All concentrations are in mg/kg.
 All depths are listed in feet bgs.
 Concentrations in **red** exceed the applicable NM EMNRD OCD Closure Criteria.





LEGEND

- ▲ Release Point
- Monitoring Well Location (AES, August 2012)
- Monitoring Well Location (Ensolum, October 2020)
- Soil Boring Location (AES, March 2012)
- Soil Boring Location (Ensolum, May 2022)
- Test Hole Location (AES, December 2011)
- 4" X71221 Well Tie Pipeline Approximate Location
- 8" Lateral K-31 Pipeline Approximate Location
- ▨ Proposed Excavation



Site Map with Soil Analytical Results

Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW ¼, S16 T25N R6W
 Rio Arriba County, New Mexico
 36.393827° N, 107.475065° W

Figure 5

Project Number: 05B1226002

Note:
 All concentrations are in mg/kg.
 All depths are listed in feet bgs.
 Concentrations in red exceed the applicable NM EMNRD OCD Closure Criteria.

0 40 80 Feet



APPENDIX B

Tables



TABLE 1
SOIL ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

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 Combined TPH GRO/DRO/MRO (mg/kg)	Chloride (mg/kg)
NM EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE	NE	NE	100	600
Test Hole Excavation and Soil Boring Soil Samples Collected by AES (2011-2012)												
TP-1	12.08.11	14	<0.050	<0.050	<0.050	<0.099	ND	<5.0	<9.8	NA	ND	NA
	12.08.11	15.5	<0.047	<0.047	<0.047	<0.093	ND	<4.7	<9.9	NA	ND	NA
TP-2	12.08.11	15	<0.050	<0.050	<0.050	<0.10	ND	<5.0	<10	NA	ND	NA
TP-3	12.08.11	15	3.7	130	28	270	432	2,500	2,200	NA	4,700	NA
TP-4	12.08.11	7	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10	NA	ND	NA
	12.08.11	15	8.0	210	75	690	982	5,800	3,000	NA	8,800	NA
SB-1	03.15.12	10	<0.49	<0.49	0.73	4.9	5.6	190	89	NA	279	NA
	03.15.12	14	<0.046	<0.046	<0.046	<0.092	ND	<4.6	<9.7	NA	ND	NA
SB-2	03.15.12	2 to 4	0.070	0.10	0.054	0.49	0.71	5.3	<10	NA	ND	NA
	03.15.12	12	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10	NA	ND	NA
SB-3	03.15.12	12	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<10	NA	ND	NA
	03.15.12	14	<0.048	<0.048	<0.048	<0.096	ND	<4.8	<10	NA	ND	NA
SB-4	03.15.12	4	0.11	0.55	0.16	1.6	2.4	10	20	NA	30	NA
	03.15.12	14	<0.048	<0.048	<0.048	<0.097	ND	<4.8	<9.8	NA	ND	NA
SB-5	03.16.12	4	<0.048	<0.048	<0.048	0.24	0.24	<4.8	<9.7	NA	ND	NA
	03.16.12	14	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<9.6	NA	ND	NA
SB-6	03.16.12	2	<0.097	<0.097	<0.097	0.31	0.31	11	77	NA	88	NA
	03.16.12	14	<0.049	<0.049	<0.049	<0.097	ND	<4.9	<10	NA	ND	NA
SB-7	03.16.12	6	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<10	NA	ND	NA
	03.16.12	14	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<9.9	NA	ND	NA
SB-8	03.16.12	4	<0.050	<0.050	<0.050	0.20	0.20	<5.0	<10	NA	ND	NA
	03.16.12	14	<0.047	<0.047	<0.047	0.098	0.098	<4.7	<9.9	NA	ND	NA



TABLE 1
SOIL ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

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 Combined TPH GRO/DRO/MRO (mg/kg)	Chloride (mg/kg)
NM EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE	NE	NE	100	600
SB-9	03.16.12	10	0.51	9.4	1.9	19	31	190	250	NA	440	NA
	03.16.12	14	29	480	64	580	1,153	6,700	2,000	NA	8,700	NA
SB-10	03.16.12	4	<0.047	<0.047	<0.047	0.20	0.20	5.8	32	NA	40	NA
	03.16.12	14	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<9.9	NA	ND	NA
SB-11	03.16.12	10	0.67	14	10	83	108	1,100	240	NA	1,340	NA
	03.16.12	14	<0.048	<0.048	<0.048	<0.095	ND	7.0	<10	NA	7.0	NA
SB-12	03.16.12	4	<0.048	<0.048	<0.048	<0.097	ND	<4.8	<10	NA	ND	NA
	03.16.12	14	0.070	<0.048	<0.048	<0.096	0.070	<4.8	<10	NA	ND	NA
Soil Borings Advanced by AES (2012)												
MW-1	08.13.12	0 to 2	<0.048	<0.048	<0.048	<0.096	ND	5.0	<9.8	NA	5.0	NA
	08.13.12	10 to 12	<0.049	<0.049	0.065	0.45	0.52	<4.9	37	NA	37	NA
MW-2	08.13.12	5 to 7	0.089	<0.049	<0.049	0.15	0.24	<4.9	<9.8	NA	ND	NA
	08.13.12	10 to 12	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9	NA	ND	NA
MW-3	08.15.12	0 to 2	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10	NA	ND	NA
	08.15.12	10 to 12	0.13	<0.048	<0.048	<0.095	ND	<4.8	<9.7	NA	ND	NA
MW-4	08.15.12	0 to 2	0.072	<0.049	0.059	0.97	1.10	8.8	<10	NA	8.8	NA
	08.15.12	10 to 12	<0.048	<0.048	<0.048	0.23	0.23	<4.8	<10	NA	ND	NA
MW-5	08.15.12	5 to 7	<0.049	<0.049	<0.049	<0.098	ND	<4.8	<9.9	NA	ND	NA
	08.15.12	10 to 12	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<9.6	NA	ND	NA
MW-6	08.13.12	0 to 2	0.055	<0.048	<0.048	0.27	0.33	<4.8	12	NA	12	NA
	08.13.12	10 to 12	<0.048	<0.048	<0.048	<0.096	ND	<4.8	<9.8	NA	ND	NA
MW-7	08.15.12	5 to 7	0.11	<0.049	<0.049	<0.098	ND	<4.9	<9.8	NA	ND	NA
	08.15.12	10 to 12	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<9.7	NA	ND	NA



TABLE 1 SOIL ANALYTICAL SUMMARY Enterprise Field Services, LLC Lateral K-31 Pipeline Release (12/02/2011) SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico NM EMNRD OCD RP No. 3RP-440 Incident No. NBBB1219848468												
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 Combined TPH GRO/DRO/MRO (mg/kg)	Chloride (mg/kg)
NM EMNRD OCD Closure Criteria			10	NE	NE	NE	50	NE	NE	NE	100	600
MW-8	08.14.12	5 to 7	0.092	<0.046	<0.046	<0.093	ND	<4.6	<9.7	NA	ND	NA
	08.14.12	10 to 12	<0.048	<0.048	<0.048	<0.097	ND	<4.8	<9.7	NA	ND	NA
MW-9	08.14.12	5 to 7	<0.047	<0.047	<0.047	<0.095	ND	<4.8	<9.9	NA	ND	NA
	08.14.12	10 to 12	<0.049	<0.049	<0.049	<0.097	ND	<4.9	<9.8	NA	ND	NA
Soil Borings Advanced by Ensolum, LLC (2020)												
MW-2R	10.20.20	11 to 13	0.12	<0.050	0.69	4.2	5.0	97	78	<50	175	120
	10.20.20	15 to 17	<0.025	<0.050	<0.050	0.25	0.25	7.9	<9.6	<48	7.9	70
MW-10	10.20.20	6 to 8	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.8	<49	ND	<60
	10.20.20	10 to 12	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<8.9	<45	ND	<60
MW-11	10.20.20	7 to 9	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<8.7	<43	ND	<59
	10.20.20	13 to 15	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.5	<48	ND	<60
Soil Borings Advanced by Ensolum, LLC (2022)												
SB-13	5.26.22	14 to 15	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<12	<40	ND	<60
SB-14	5.26.22	12 to 14	<0.12	<0.25	0.70	5.0	5.7	120	64	<50	184	130
SB-15	5.26.22	10 to 12	<0.12	<0.24	<0.24	1.7	1.7	<24	220	<50	220	130
SB-16	5.26.22	8 to 10	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<8.7	<43	ND	74
SB-17	5.26.22	8 to 10	<0.024	<0.048	<0.048	0.15	0.15	<4.8	<9.3	<47	ND	140

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

mg/kg = milligrams per kilogram

NA = Not Analyzed

ND = Not Detected above the Laboratory Reporting Limits

NE = Not established

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes

TPH = Total Petroleum Hydrocarbon

GRO = Gasoline Range Organics

DRO = Diesel Range Organics



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

Monitoring Wells Installed by Animas Environmental Services, LLC

	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
MW-1	9.5.12	18	2.9	3.3	25
	12.20.12	11	<2.0	<2.0	5.8
	3.21.13	29	14	<2.0	6.8
	9.4.13	24	3.0	<2.0	10
	12.9.13	42	20	10	45
	3.19.14	17	15	<1	6
	11.12.14	<1.0	<1.0	<1.0	<2.0
	6.17.15	<1.0	<1.0	<1.0	<2.0
	11.17.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	4.1	<1.0	<1.0	<2.0
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	1.8	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	<1.0	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.02.19	<1.0	<1.0	<1.0	<2.0
	12.31.19	<1.0	<1.0	<1.0	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
1.31.25	<1.0	<1.0	<1.0	<1.5	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-2	9.5.12	9.5	9.2	<2.0	30
	12.20.12	17	<2.0	<2.0	41
	3.21.13	18	<2.0	<2.0	18
	9.4.13	8.0	<2.0	<2.0	4.2
	12.14.11	NAPL	NAPL	NAPL	NAPL
	12.9.13	24	13	11	49
	3.19.14	<1	<1	<1	<3
	11.12.14	Unable to sample (obstructed well screen/casing)			
	6.17.15				
	11.17.15				
	6.08.16				
	12.29.16				
	6.30.17				
	12.28.17				
	6.20.18				
	1.17.19				
	8.01.19				
	6.11.20				
12.10.20					
6.29.21					
12.17.21					



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-3	9.5.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.21.13	<2.0	<2.0	<2.0	<4.0
	9.4.13	5.4	<2.0	<2.0	<4.0
	12.9.13	10	15	9.7	37
	3.19.14	3.0	4.0	<1	<3
	11.12.14	<1.0	<1.0	<1.0	<2.0
	6.17.15	9.9	<1.0	<1.0	<2.0
	11.18.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	Unable to sample			
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	<1.0	<1.0	<1.0	<1.5
	12.28.17	Unable to sample (obstructed well screen/casing)			
	6.20.18				
	1.17.19				
	8.01.19				
	6.11.20				
	12.10.20				
	6.29.21				
	12.17.21				
3.31.22					
6.17.22					
11.2.22					
12.13.22					



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-4	9.5.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	19	<2.0	<2.0	<4.0
	3.21.13	4.8	<2.0	<2.0	<4.0
	9.4.13	<2.0	<2.0	<2.0	<4.0
	12.9.13	42	17	14	54
	3.19.14	<1	<1	<1	<3
	11.12.14	5.4	<1.0	<1.0	<2.0
	6.17.15	7.2	<1.0	<1.0	<2.0
	11.18.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	5.1	<1.0	<1.0	<2.0
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	<1.0	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	<1.0	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.02.19	<1.0	<1.0	<1.0	<2.0
	12.31.19	<1.0	<1.0	<1.0	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
1.31.25	<1.0	<1.0	<1.0	<1.5	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-5	9.5.12	10	<2.0	<2.0	<4.0
	12.20.12	10	<2.0	<2.0	<4.0
	3.21.13	1.9	<1.0	3.8	9.7
	3.21.13	9.0	<2.0	<2.0	<4.0
	9.4.13	9.3	<2.0	<2.0	<4.0
	12.9.13	48	9.3	9.7	36
	3.19.14	27	<1	2	<3
	11.12.14	<1.0	<1.0	<1.0	<2.0
	6.17.15	52	<1.0	1.4	<2.0
	11.18.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	230	<1.0	8.5	<2.0
	12.29.16	14	<1.0	2.1	<1.5
	6.30.17	2.4	<1.0	1.8	<2.0
	12.28.17	42	<1.0	11	<1.5
	6.20.18	<1.0	<1.0	5.7	<1.5
	1.17.19	<1.0	<1.0	3.4	<1.5
	8.01.19	<1.0	<1.0	1.7	<2.0
	12.31.19	<1.0	<1.0	1.9	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
2.3.25	<2.0	<2.0	<2.0	<3.0	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-6	9.5.12	37	8.3	<2.0	14
	12.20.12	82	5.8	<2.0	<4.0
	3.21.13	130	5.1	<2.0	<4.0
	9.4.13	40	22	<2.0	13
	12.9.13	210	20	12	51
	3.19.14	77	8.0	1.0	4.0
	11.12.14	19	<1.0	<1.0	<2.0
	6.17.15	<1.0	<1.0	<1.0	<2.0
	11.18.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	<1.0	<1.0	<1.0	<2.0
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	<1.0	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	<1.0	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.01.19	<1.0	<1.0	<1.0	<2.0
	12.31.19	<1.0	<1.0	<1.0	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
2.3.25	<1.0	<1.0	<1.0	<1.5	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-7	9.5.12	3.6	<2.0	<2.0	<4.0
	12.20.12	5.9	<2.0	<2.0	<4.0
	3.21.13	<2.0	<2.0	<2.0	<4.0
	9.4.13	6.2	<2.0	<2.0	<4.0
	3.29.12	3.9	<1.0	1.4	5.7
	12.9.13	30	17	14	56
	3.19.14	<1	<1	<1	<3
	11.12.14	<1.0	<1.0	<1.0	<2.0
	6.17.15	<1.0	<1.0	<1.0	<2.0
	11.17.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	<1.0	<1.0	<1.0	<2.0
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	<1.0	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	<1.0	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.02.19	<1.0	<1.0	<1.0	<2.0
	12.31.19	<1.0	<1.0	<1.0	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
	11.2.22	<1.0	<1.0	<1.0	<2.0
12.13.22	<1.0	<1.0	<1.0	<1.5	
1.31.25	Unable to sample (obstructed well screen/casing)				



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-8	9.5.12	20	<2.0	<2.0	<4.0
	12.20.12	25	<2.0	<2.0	<4.0
	3.21.13	26	<2.0	<2.0	<4.0
	9.4.13	34	<2.0	<2.0	<4.0
	12.9.13	200	14	11	46
	3.19.14	57	<1	<1	<3
	11.12.14	5.8	<1.0	<1.0	<2.0
	6.17.15	1.5	<1.0	<1.0	<2.0
	11.18.15	1.7	<1.0	<1.0	<2.0
	6.08.16	4.2	<1.0	<1.0	<2.0
	12.29.16	1.3	<1.0	<1.0	<1.5
	6.30.17	1.2	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	1.9	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.01.19	2.1	<1.0	14	<2.0
	12.31.19	<1.0	<1.0	1.4	<2.0
	6.11.20	<1.0	<1.0	1.3	<1.5
	12.10.20	<1.0	<1.0	3.1	<1.5
	6.29.21	<1.0	<1.0	1.7	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
1.31.25	<1.0	<1.0	<1.0	<1.5	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

MW-9	9.5.12	<2.0	<2.0	<2.0	<4.0
	12.20.12	<2.0	<2.0	<2.0	<4.0
	3.21.13	<2.0	<2.0	<2.0	<4.0
	9.4.13	<2.0	<2.0	<2.0	<4.0
	12.9.13	4.0	7.1	6.0	24
	3.19.14	<1	<1	<1	<3
	11.12.14	<1.0	<1.0	<1.0	<2.0
	6.17.15	<1.0	<1.0	<1.0	<2.0
	11.17.15	<1.0	<1.0	<1.0	<2.0
	6.08.16	<1.0	<1.0	<1.0	<2.0
	12.29.16	<1.0	<1.0	<1.0	<1.5
	6.30.17	<1.0	<1.0	<1.0	<2.0
	12.28.17	<1.0	<1.0	<1.0	<1.5
	6.20.18	<1.0	<1.0	<1.0	<1.5
	1.17.19	<1.0	<1.0	<1.0	<1.5
	8.01.19	<1.0	<1.0	<1.0	<2.0
	12.31.19	<1.0	<1.0	<1.0	<2.0
	6.11.20	<1.0	<1.0	<1.0	<1.5
	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
11.2.22	<1.0	<1.0	<1.0	<2.0	
12.13.22	<1.0	<1.0	<1.0	<1.5	
1.31.25	<1.0	<1.0	<1.0	<1.5	



TABLE 2
GROUNDWATER ANALYTICAL SUMMARY
 Enterprise Field Services, LLC
 Lateral K-31 Pipeline Release (12/02/2011)
 SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
 NM EMNRD OCD RP No. 3RP-440
 Incident No. NBBB1219848468

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		5	1,000	700	620

Monitoring Wells Installed by Ensolum, LLC (2020)					
MW-2R ^A	12.10.20	2.1	<1.0	1.2	2.4
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
	11.2.22	<1.0	<1.0	<1.0	<2.0
	12.13.22	<1.0	<1.0	<1.0	<1.5
	1.31.25	<2.0	<2.0	<2.0	<3.0
MW-10	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
	11.2.22	<1.0	<1.0	<1.0	<2.0
	12.13.22	<1.0	<1.0	<1.0	<1.5
	1.31.25	<2.0	<2.0	<2.0	<3.0
MW-11	12.10.20	<1.0	<1.0	<1.0	<1.5
	6.29.21	<1.0	<1.0	<1.0	<1.5
	12.17.21	<1.0	<1.0	<1.0	<2.0
	3.31.22	<1.0	<1.0	<1.0	<2.0
	6.17.22	<1.0	<1.0	<1.0	<2.0
	11.2.22	<1.0	<1.0	<1.0	<2.0
	12.13.22	<1.0	<1.0	<1.0	<1.5
	1.31.25	Unable to sample (obstructed well screen/casing)			

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

^A = Monitoring well MW-2R serves as a replacement well for MW-2.

µg/L= micrograms per liter

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



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-1	9.5.12	ND	19.44	ND	6,306.66	6,287.22
	12.20.12	ND	19.02	ND		6,287.64
	3.21.13	ND	18.59	ND		6,288.07
	9.4.13	ND	19.49	ND		6,287.17
	12.9.13	ND	18.80	ND		6,287.86
	3.19.14	ND	18.40	ND		6,288.26
	11.12.14	ND	19.11	ND		6,287.55
	6.17.15	ND	18.70	ND		6,287.96
	11.17.15	ND	19.08	ND		6,287.58
	6.08.16	ND	18.80	ND		6,287.86
	12.29.16	ND	19.18	ND		6,287.48
	6.30.17	ND	19.13	ND		6,287.53
	12.28.17	ND	19.16	ND		6,287.50
	6.20.18	ND	19.45	ND		6,287.21
	1.17.19	ND	19.30	ND		6,287.36
	8.01.19	ND	19.58	ND		6,287.08
	12.31.19	ND	19.59	ND		6,287.07
	6.11.20	ND	19.49	ND		6,287.17
	12.10.20	ND	20.00	ND		6,286.66
	6.29.21	ND	19.93	ND		6,286.73
12.17.21	ND	19.73	ND	6,286.93		
3.31.22	ND	19.30	ND	6,287.36		
6.17.22	ND	19.76	ND	6,286.90		
11.2.22	ND	19.46	ND	6,287.20		



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
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MW-1	12.13.22	ND	19.21	ND	6,306.66	6,287.45
	1.31.35	ND	19.46	ND		6,287.20
MW-2	9.5.12	ND	16.69	ND	6,242.58	6,225.89
	12.20.12	ND	16.33	ND		6,226.25
	3.21.13	ND	15.90	ND		6,226.68
	9.4.13	ND	16.72	ND		6,225.86
	12.14.11	30.78	30.79	0.01		6,211.79
	12.9.13	ND	16.14	ND		6,226.44
	3.19.14	ND	15.72	ND		6,226.86
	11.12.14	Monitoring well destroyed				
	6.17.15					
	11.17.15					
	6.08.16					
	12.29.16					
	6.30.17					
	12.28.17					
	6.20.18					
	1.17.19					
	8.01.19					
	12.31.19					
6.11.20						
12.10.20						
6.29.21						
12.17.21						



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)	
MW-2R	12.10.20	ND	20.71	ND	6,307.72	6,287.01	
	6.29.21	ND	20.64	ND		6,287.08	
	12.17.21	ND	20.46	ND		6,287.26	
	3.31.22	ND	20.05	ND		6,287.67	
	6.17.22	ND	20.47	ND		6,287.25	
	11.2.22	ND	20.19	ND		6,287.53	
	12.13.22	ND	19.95	ND		6,287.77	
	1.31.25	ND	20.15	ND		6,287.57	
MW-3	9.5.12	ND	18.93	ND	6,306.94	6,288.01	
	12.20.12	ND	18.51	ND		6,288.43	
	3.21.13	ND	18.07	ND		6,288.87	
	9.4.13	ND	18.97	ND		6,287.97	
	12.9.13	ND	18.30	ND		6,288.64	
	3.19.14	ND	17.89	ND		6,289.05	
	11.12.14	ND	18.59	ND		6,288.35	
	6.17.15	ND	18.20	ND		6,288.74	
	11.17.15	ND	18.56	ND		6,288.38	
	6.08.16	ND	18.30	ND		6,288.64	
	12.29.16	ND	18.66	ND		6,288.28	
	6.30.17	ND	18.64	ND		6,288.30	
	12.28.17	Unable to sample due to blockage					NG
	6.20.18						NG
1.17.19					NG		
8.01.19					NG		



TABLE 3

GROUNDWATER ELEVATIONS

Enterprise Field Services, LLC

Lateral K-31 Pipeline Release (12/02/2011)

SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico

NM EMNRD OCD RP No. 3RP-440

Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-3	12.31.19	Unable to sample due to blockage			6,306.94	NG
	6.11.20					NG
	12.10.20					NG
	6.29.21					NG
	12.17.21					NG
	3.31.22					NG
	6.17.22					NG
	11.2.22					NG
	12.13.22					NG
MW-4	9.5.12	ND	17.55	ND	6,305.50	6,287.95
	12.20.12	ND	17.14	ND		6,288.36
	3.21.13	ND	16.71	ND		6,288.79
	9.4.13	ND	17.59	ND		6,287.91
	12.9.13	ND	16.93	ND		6,288.57
	3.19.14	ND	16.51	ND		6,288.99
	11.12.14	ND	17.24	ND		6,288.26
	6.17.15	ND	16.83	ND		6,288.67
	11.17.15	ND	17.21	ND		6,288.29
	6.08.16	ND	16.93	ND		6,288.57
	12.29.16	ND	17.30	ND		6,288.20
	6.30.17	ND	17.27	ND		6,288.23
	12.28.17	ND	17.30	ND		6,288.20
	6.20.18	ND	17.59	ND		6,287.91
	1.17.19	ND	17.44	ND		6,288.06



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-4	8.01.19	ND	17.69	ND	6,305.50	6,287.81
	12.31.19	ND	17.70	ND		6,287.80
	6.11.20	ND	17.60	ND		6,287.90
	12.10.20	ND	18.10	ND		6,287.40
	6.29.21	ND	18.03	ND		6,287.47
	12.17.21	ND	17.84	ND		6,287.66
	3.31.22	ND	17.41	ND		6,288.09
	6.17.22	ND	17.88	ND		6,287.62
	11.2.22	ND	17.55	ND		6,287.95
	12.13.22	ND	17.31	ND		6,288.19
	1.31.25	ND	17.55	ND		6,287.95
MW-5	9.5.12	ND	15.88	ND	6,302.91	6,287.03
	12.20.12	ND	15.44	ND		6,287.47
	3.21.13	ND	15.00	ND		6,287.91
	9.4.13	ND	15.91	ND		6,287.00
	12.9.13	ND	15.20	ND		6,287.71
	3.19.14	ND	14.81	ND		6,288.10
	11.12.14	ND	15.54	ND		6,287.37
	6.17.15	ND	15.14	ND		6,287.77
	11.17.15	ND	15.50	ND		6,287.41
	6.08.16	ND	15.22	ND		6,287.69
	12.29.16	ND	15.60	ND		6,287.31
	6.30.17	ND	15.59	ND		6,287.32
	12.30.17	ND	15.57	ND		6,287.34



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-5	6.20.18	ND	15.59	ND	6,302.91	6,287.32
	1.17.19	ND	15.74	ND		6,287.17
	8.01.19	ND	16.02	ND		6,286.89
	12.31.19	ND	16.03	ND		6,286.88
	6.11.20	ND	15.93	ND		6,286.98
	12.10.20	ND	16.44	ND		6,286.47
	6.29.21	ND	16.39	ND		6,286.52
	12.17.21	ND	16.13	ND		6,286.78
	3.31.22	ND	15.73	ND		6,287.18
	6.17.22	ND	16.21	ND		6,286.70
	11.2.22	ND	15.90	ND		6,287.01
	12.13.22	ND	15.66	ND		6,287.25
	1.31.25	ND	15.87	ND		6,287.04
MW-6	9.5.12	ND	17.41	ND	6,304.43	6,287.02
	12.20.12	ND	16.97	ND		6,287.46
	3.21.13	ND	16.53	ND		6,287.90
	9.4.13	ND	17.45	ND		6,286.98
	12.9.13	ND	16.75	ND		6,287.68
	3.19.14	ND	16.34	ND		6,288.09
	11.12.14	ND	17.06	ND		6,287.37
	6.17.15	ND	16.66	ND		6,287.77
	11.17.15	ND	17.03	ND		6,287.40
	6.08.16	ND	16.74	ND		6,287.69
	12.29.16	ND	17.13	ND		6,287.30



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-6	6.30.17	ND	17.11	ND	6,304.43	6,287.32
	12.28.17	ND	17.10	ND		6,287.33
	6.20.18	ND	17.41	ND		6,287.02
	1.17.19	ND	17.27	ND		6,287.16
	8.01.19	ND	17.54	ND		6,286.89
	12.31.19	ND	17.56	ND		6,286.87
	6.11.20	ND	17.44	ND		6,286.99
	12.10.20	ND	17.96	ND		6,286.47
	6.29.21	ND	17.91	ND		6,286.52
	12.17.21	ND	17.69	ND		6,286.74
	3.31.22	ND	17.25	ND		6,287.18
	6.17.22	ND	17.73	ND		6,286.70
	11.2.22	ND	17.42	ND		6,287.01
	12.13.22	ND	17.18	ND		6,287.25
1.31.25	ND	17.41	ND	6,287.02		
MW-7	9.5.12	ND	17.61	ND	6,304.73	6,287.12
	12.20.12	ND	17.18	ND		6,287.55
	3.21.13	ND	16.74	ND		6,287.99
	9.4.13	ND	17.65	ND		6,287.08
	12.9.13	ND	16.96	ND		6,287.77
	3.19.14	ND	16.55	ND		6,288.18
	11.12.14	ND	17.29	ND		6,287.44
	6.17.15	ND	16.87	ND		6,287.86
	11.17.15	ND	17.25	ND		6,287.48



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-7	6.08.16	ND	16.96	ND	6,304.73	6,287.77
	12.29.16	ND	17.36	ND		6,287.37
	6.30.17	ND	17.30	ND		6,287.43
	12.28.17	ND	17.32	ND		6,287.41
	6.20.18	ND	17.62	ND		6,287.11
	1.17.19	ND	17.49	ND		6,287.24
	8.01.19	ND	17.74	ND		6,286.99
	12.31.19	ND	17.78	ND		6,286.95
	6.11.20	ND	17.66	ND		6,287.07
	12.10.20	ND	18.18	ND		6,286.55
	6.29.21	ND	18.12	ND		6,286.61
	12.17.21	ND	18.92	ND		6,285.81
	3.31.22	ND	17.47	ND		6,287.26
	6.17.22	ND	17.93	ND		6,286.80
	11.2.22	ND	17.64	ND		6,287.09
	12.13.22	ND	17.39	ND		6,287.34
1.31.25	Obstructed- run over by vehicle					
MW-8	9.5.12	ND	16.55	ND	6,303.48	6,286.93
	12.20.12	ND	16.09	ND		6,287.39
	3.21.13	ND	15.65	ND		6,287.83
	9.4.13	ND	16.57	ND		6,286.91
	12.9.13	ND	15.86	ND		6,287.62
	3.19.14	ND	15.46	ND		6,288.02
	11.12.14	ND	16.18	ND		6,287.30



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-8	6.17.15	ND	15.79	ND	6,303.48	6,287.69
	11.17.15	ND	16.17	ND		6,287.31
	6.08.16	ND	15.90	ND		6,287.58
	12.29.16	ND	16.25	ND		6,287.23
	6.30.17	ND	16.25	ND		6,287.23
	12.28.17	ND	16.23	ND		6,287.25
	6.20.18	ND	16.55	ND		6,286.93
	1.17.19	ND	16.38	ND		6,287.10
	8.01.19	ND	16.68	ND		6,286.80
	12.31.19	ND	16.69	ND		6,286.79
	6.11.20	ND	16.59	ND		6,286.89
	12.10.20	ND	17.10	ND		6,286.38
	6.29.21	ND	17.05	ND		6,286.43
	12.17.21	ND	16.83	ND		6,286.65
	3.31.22	ND	16.39	ND		6,287.09
	6.17.22	ND	16.87	ND		6,286.61
	11.2.22	ND	16.56	ND		6,286.92
	12.13.22	ND	16.31	ND		6,287.17
1.31.25	ND	16.57	ND	6,286.91		
MW-9	9.5.12	ND	16.33	ND	6,303.06	6,286.73
	12.20.12	ND	15.84	ND		6,287.22
	3.21.13	ND	15.39	ND		6,287.67
	9.4.13	ND	16.32	ND		6,286.74
	12.9.13	ND	15.61	ND		6,287.45



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-9	3.19.14	ND	15.21	ND	6,303.06	6,287.85
	11.12.14	ND	15.95	ND		6,287.11
	6.17.15	ND	15.52	ND		6,287.54
	11.17.15	ND	15.88	ND		6,287.18
	6.08.16	ND	15.60	ND		6,287.46
	12.29.16	ND	15.98	ND		6,287.08
	6.30.17	ND	15.97	ND		6,287.09
	12.28.17	ND	15.94	ND		6,287.12
	6.20.18	ND	16.27	ND		6,286.79
	1.17.19	ND	16.11	ND		6,286.95
	8.01.19	ND	16.41	ND		6,286.65
	12.31.19	ND	16.40	ND		6,286.66
	6.11.20	ND	16.30	ND		6,286.76
	12.10.20	ND	16.79	ND		6,286.27
	6.29.21	ND	16.76	ND		6,286.30
	12.17.21	ND	16.53	ND		6,286.53
	3.31.22	ND	16.08	ND		6,286.98
	6.17.22	ND	16.58	ND		6,286.48
	11.2.22	ND	16.26	ND		6,286.80
12.13.22	ND	16.01	ND	6,287.05		
1.31.25	ND	16.25	ND	6,286.81		



TABLE 3
GROUNDWATER ELEVATIONS
Enterprise Field Services, LLC
Lateral K-31 Pipeline Release (12/02/2011)
SW 1/4, S16 T25N R6W, Rio Arriba County, New Mexico
NM EMNRD OCD RP No. 3RP-440
Incident No. NBBB1219848468

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness (feet)	TOC Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-10	12.10.20	ND	15.66	ND	6,302.04	6,286.38
	6.29.21	ND	15.62	ND		6,286.42
	12.17.21	ND	15.40	ND		6,286.64
	3.31.22	ND	14.96	ND		6,287.08
	6.17.22	ND	15.46	ND		6,286.58
	11.2.22	ND	15.13	ND		6,286.91
	12.13.22	ND	14.90	ND		6,287.14
	1.31.25	ND	15.17	ND		6,286.87
MW-11	12.10.20	ND	17.03	ND	6,303.61	6,286.58
	6.29.21	ND	16.96	ND		6,286.65
	12.17.21	ND	16.75	ND		6,286.86
	3.31.22	ND	16.30	ND		6,287.31
	6.17.22	ND	16.79	ND		6,286.82
	11.2.22	ND	16.47	ND		6,287.14
	12.13.22	ND	16.50	ND		6,287.11
	1.31.25	Obstructed- roots in well				

BTOC - Below Top of Casing

TOC - Top of Casing

ND - Not Detected

NG - Not Gauged

AMSL - Above Mean Sea Level (North American Vertical Datum 1988)



APPENDIX C

Laboratory Data Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Wes Weichert
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 2/11/2025 1:28:31 PM

JOB DESCRIPTION

Lateral K-31

JOB NUMBER

885-19170-1

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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2/11/2025 1:28:31 PM

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

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Client: Ensolum
Project/Site: Lateral K-31

Laboratory Job ID: 885-19170-1



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Definitions/Glossary

Client: Ensolum

Job ID: 885-19170-1

Project/Site: Lateral K-31

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
Project: Lateral K-31

Job ID: 885-19170-1

Job ID: 885-19170-1

Eurofins Albuquerque

Job Narrative 885-19170-1

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 2/1/2025 7:40 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 1.7°C.

Receipt Exceptions

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

GC/MS VOA

Method 8260B: The following samples were diluted due to the nature of the sample matrix: MW-10 (885-19170-3) and MW-2R (885-19170-6).

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: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-8

Lab Sample ID: 885-19170-1

Date Collected: 01/31/25 13:35

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/06/25 00:24	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 00:24	1
Toluene	ND		1.0	ug/L			02/06/25 00:24	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 00:24	1
Toluene-d8 (Surr)	99		70 - 130		02/06/25 00:24	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/06/25 00:24	1
Dibromofluoromethane (Surr)	97		70 - 130		02/06/25 00:24	1

Client Sample Results

Client: Ensolum
 Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-9

Lab Sample ID: 885-19170-2

Date Collected: 01/31/25 14:15

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/06/25 00:51	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 00:51	1
Toluene	ND		1.0	ug/L			02/06/25 00:51	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 00:51	1
Toluene-d8 (Surr)	100		70 - 130		02/06/25 00:51	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/06/25 00:51	1
Dibromofluoromethane (Surr)	97		70 - 130		02/06/25 00:51	1

Client Sample Results

Client: Ensolum
 Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-10

Lab Sample ID: 885-19170-3

Date Collected: 01/31/25 12:40

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			02/06/25 01:19	2
Ethylbenzene	ND		2.0	ug/L			02/06/25 01:19	2
Toluene	ND		2.0	ug/L			02/06/25 01:19	2
Xylenes, Total	ND		3.0	ug/L			02/06/25 01:19	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 01:19	2
Toluene-d8 (Surr)	100		70 - 130		02/06/25 01:19	2
4-Bromofluorobenzene (Surr)	102		70 - 130		02/06/25 01:19	2
Dibromofluoromethane (Surr)	97		70 - 130		02/06/25 01:19	2

Client Sample Results

Client: Ensolum
 Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-11

Lab Sample ID: 885-19170-4

Date Collected: 01/31/25 12:00

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/06/25 01:46	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 01:46	1
Toluene	ND		1.0	ug/L			02/06/25 01:46	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 01:46	1
Toluene-d8 (Surr)	100		70 - 130		02/06/25 01:46	1
4-Bromofluorobenzene (Surr)	102		70 - 130		02/06/25 01:46	1
Dibromofluoromethane (Surr)	97		70 - 130		02/06/25 01:46	1

Client Sample Results

Client: Ensolum
 Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-1

Lab Sample ID: 885-19170-5

Date Collected: 01/31/25 11:30

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/06/25 02:13	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 02:13	1
Toluene	ND		1.0	ug/L			02/06/25 02:13	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 02:13	1
Toluene-d8 (Surr)	100		70 - 130		02/06/25 02:13	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/06/25 02:13	1
Dibromofluoromethane (Surr)	97		70 - 130		02/06/25 02:13	1

Client Sample Results

Client: Ensolum
 Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-2R

Lab Sample ID: 885-19170-6

Date Collected: 01/31/25 10:30

Matrix: Water

Date Received: 02/01/25 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			02/06/25 02:40	2
Ethylbenzene	ND		2.0	ug/L			02/06/25 02:40	2
Toluene	ND		2.0	ug/L			02/06/25 02:40	2
Xylenes, Total	ND		3.0	ug/L			02/06/25 02:40	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		02/06/25 02:40	2
Toluene-d8 (Surr)	98		70 - 130		02/06/25 02:40	2
4-Bromofluorobenzene (Surr)	100		70 - 130		02/06/25 02:40	2
Dibromofluoromethane (Surr)	95		70 - 130		02/06/25 02:40	2

QC Sample Results

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19170-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-20363/4
Matrix: Water
Analysis Batch: 20363

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			02/05/25 18:02	1
Ethylbenzene	ND		1.0	ug/L			02/05/25 18:02	1
Toluene	ND		1.0	ug/L			02/05/25 18:02	1
Xylenes, Total	ND		1.5	ug/L			02/05/25 18:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		02/05/25 18:02	1
Toluene-d8 (Surr)	100		70 - 130		02/05/25 18:02	1
4-Bromofluorobenzene (Surr)	100		70 - 130		02/05/25 18:02	1
Dibromofluoromethane (Surr)	94		70 - 130		02/05/25 18:02	1

Lab Sample ID: LCS 885-20363/3
Matrix: Water
Analysis Batch: 20363

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	18.6		ug/L		92	70 - 130
Toluene	20.2	20.1		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130

QC Association Summary

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19170-1

GC/MS VOA

Analysis Batch: 20363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19170-1	MW-8	Total/NA	Water	8260B	
885-19170-2	MW-9	Total/NA	Water	8260B	
885-19170-3	MW-10	Total/NA	Water	8260B	
885-19170-4	MW-11	Total/NA	Water	8260B	
885-19170-5	MW-1	Total/NA	Water	8260B	
885-19170-6	MW-2R	Total/NA	Water	8260B	
MB 885-20363/4	Method Blank	Total/NA	Water	8260B	
LCS 885-20363/3	Lab Control Sample	Total/NA	Water	8260B	

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Lab Chronicle

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19170-1

Client Sample ID: MW-8

Lab Sample ID: 885-19170-1

Date Collected: 01/31/25 13:35

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	20363	JR	EET ALB	02/06/25 00:24

Client Sample ID: MW-9

Lab Sample ID: 885-19170-2

Date Collected: 01/31/25 14:15

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	20363	JR	EET ALB	02/06/25 00:51

Client Sample ID: MW-10

Lab Sample ID: 885-19170-3

Date Collected: 01/31/25 12:40

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	20363	JR	EET ALB	02/06/25 01:19

Client Sample ID: MW-11

Lab Sample ID: 885-19170-4

Date Collected: 01/31/25 12:00

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	20363	JR	EET ALB	02/06/25 01:46

Client Sample ID: MW-1

Lab Sample ID: 885-19170-5

Date Collected: 01/31/25 11:30

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	20363	JR	EET ALB	02/06/25 02:13

Client Sample ID: MW-2R

Lab Sample ID: 885-19170-6

Date Collected: 01/31/25 10:30

Matrix: Water

Date Received: 02/01/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	20363	JR	EET ALB	02/06/25 02:40

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19170-1

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>8260B</td> <td></td> <td>Water</td> <td>Benzene</td> </tr> <tr> <td>8260B</td> <td></td> <td>Water</td> <td>Ethylbenzene</td> </tr> <tr> <td>8260B</td> <td></td> <td>Water</td> <td>Toluene</td> </tr> <tr> <td>8260B</td> <td></td> <td>Water</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8260B		Water	Benzene	8260B		Water	Ethylbenzene	8260B		Water	Toluene	8260B		Water	Xylenes, Total
Analysis Method	Prep Method	Matrix	Analyte																				
8260B		Water	Benzene																				
8260B		Water	Ethylbenzene																				
8260B		Water	Toluene																				
8260B		Water	Xylenes, Total																				
Oregon	NELAP	NM100001	02-25-25																				

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Chain-of-Custody Record

Client: Enterprise

Mailing Address: 848 E 2nd Ave,
Durango, CO 81301

Phone #: _____

email or Fax#: _____

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) _____

Turn-Around Time:
 Standard Rush
 Project Name: Lateral V-31

Project #: 05B1226002

Project Manager: Wes Weichen
wweichen@ensolum.com

Sampler: _____

On Ice: Yes No 100%

of Coolers: 1

Cooler Temp (including CF): 1.0 + 0.1 = 1.1 (°C)

Container Type and #

Preservative Type

HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/31	1335	GW	MW-8	3VOC	COOL	
	1415	GW	MW-9			
	1240	GW	MW-10			
	1200	GW	MW-11			
	1130	GW	MW-1			
	1030	GW	MW-2R			

Date: 1/31 Time: 1553

Date: 1/31/25 Time: 1553

Relinquished by: [Signature]

Relinquished by: [Signature]

Date: 2/11/25 Time: 7:40



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87105

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

865-19170 COC

Analysis Request

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

Remarks: *CC
npottala@ensolum.com
Bill to ENSULUM.

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: 885-19170-1

SDG Number:

Login Number: 19170

List Number: 1

Creator: Casarrubias, Tracy

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?	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	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Wes Weichert
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 2/11/2025 1:30:36 PM

JOB DESCRIPTION

Lateral K-31

JOB NUMBER

885-19216-1

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
2/11/2025 1:30:36 PM

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

Client: Ensolum
Project/Site: Lateral K-31

Laboratory Job ID: 885-19216-1



Table of Contents

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Definitions/Glossary

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

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
Project: Lateral K-31

Job ID: 885-19216-1

Job ID: 885-19216-1

Eurofins Albuquerque

Job Narrative 885-19216-1

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 2/4/2025 7:25 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 2.2°C.

Receipt Exceptions

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

GC/MS 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: Lateral K-31

Job ID: 885-19216-1

Client Sample ID: MW-5

Lab Sample ID: 885-19216-1

Date Collected: 02/03/25 11:00

Matrix: Water

Date Received: 02/04/25 07:25

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			02/06/25 18:49	2
Ethylbenzene	ND		2.0	ug/L			02/06/25 18:49	2
Toluene	ND		2.0	ug/L			02/06/25 18:49	2
Xylenes, Total	ND		3.0	ug/L			02/06/25 18:49	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		02/06/25 18:49	2
Toluene-d8 (Surr)	100		70 - 130		02/06/25 18:49	2
4-Bromofluorobenzene (Surr)	97		70 - 130		02/06/25 18:49	2
Dibromofluoromethane (Surr)	91		70 - 130		02/06/25 18:49	2

Client Sample Results

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

Client Sample ID: MW-6

Lab Sample ID: 885-19216-2

Date Collected: 02/03/25 10:35

Matrix: Water

Date Received: 02/04/25 07:25

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/06/25 20:11	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 20:11	1
Toluene	ND		1.0	ug/L			02/06/25 20:11	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		02/06/25 20:11	1
Toluene-d8 (Surr)	100		70 - 130		02/06/25 20:11	1
4-Bromofluorobenzene (Surr)	98		70 - 130		02/06/25 20:11	1
Dibromofluoromethane (Surr)	92		70 - 130		02/06/25 20:11	1

QC Sample Results

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-20437/4
Matrix: Water
Analysis Batch: 20437

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			02/06/25 15:12	1
Ethylbenzene	ND		1.0	ug/L			02/06/25 15:12	1
Toluene	ND		1.0	ug/L			02/06/25 15:12	1
Xylenes, Total	ND		1.5	ug/L			02/06/25 15:12	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		02/06/25 15:12	1
Toluene-d8 (Surr)	100		70 - 130		02/06/25 15:12	1
4-Bromofluorobenzene (Surr)	96		70 - 130		02/06/25 15:12	1
Dibromofluoromethane (Surr)	95		70 - 130		02/06/25 15:12	1

Lab Sample ID: LCS 885-20437/3
Matrix: Water
Analysis Batch: 20437

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	20.2	19.7		ug/L		97	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130

Lab Sample ID: 885-19216-1 MS
Matrix: Water
Analysis Batch: 20437

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	ND		40.3	40.7		ug/L		101	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130

Lab Sample ID: 885-19216-1 MSD
Matrix: Water
Analysis Batch: 20437

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Toluene	ND		40.3	39.5		ug/L		98	70 - 130	3	20

Eurofins Albuquerque

QC Sample Results

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 885-19216-1 MSD

Client Sample ID: MW-5

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 20437

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130

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QC Association Summary

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

GC/MS VOA

Analysis Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19216-1	MW-5	Total/NA	Water	8260B	
885-19216-2	MW-6	Total/NA	Water	8260B	
MB 885-20437/4	Method Blank	Total/NA	Water	8260B	
LCS 885-20437/3	Lab Control Sample	Total/NA	Water	8260B	
885-19216-1 MS	MW-5	Total/NA	Water	8260B	
885-19216-1 MSD	MW-5	Total/NA	Water	8260B	

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Lab Chronicle

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

Client Sample ID: MW-5
Date Collected: 02/03/25 11:00
Date Received: 02/04/25 07:25

Lab Sample ID: 885-19216-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	20437	JR	EET ALB	02/06/25 18:49

Client Sample ID: MW-6
Date Collected: 02/03/25 10:35
Date Received: 02/04/25 07:25

Lab Sample ID: 885-19216-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	20437	JR	EET ALB	02/06/25 20:11

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Lateral K-31

Job ID: 885-19216-1

Laboratory: Eurofins Albuquerque

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

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

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 885-19216-1

Login Number: 19216

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

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	





APPENDIX D

Public Notice and Landowner Table

Enterprise proposes the following language for public notice:

Enterprise Field Services, LLC (Enterprise) hereby announces the publication of a Stage 2 Abatement Plan for soil and groundwater impacts identified at the Lateral K-31 pipeline release site located at latitude 36.393827° and longitude -107.475065° within the southwest (SW) ¼ in Section 16 of Township 25 North, Range 6 West in rural Rio Arriba County.

On December 2, 2011, a release of natural gas condensate was identified due to a leak on the Lateral K-31 pipeline. Initial site assessments and subsurface investigations concluded that soil and groundwater impacts were present above applicable New Mexico (NM) Energy, Minerals and Natural Resource Department (EMNRD) Oil Conservation Division (OCD) standards for soil and Water Quality Control Commission (WQCC) standards for groundwater. The current extent of soil impact is estimated to be less than 0.1 acres. No surface water was impacted.

The Director of the NM EMNRD OCD has approved a Stage 2 Abatement Plan in which Enterprise proposes to excavate and dispose of petroleum hydrocarbon impacted soils from the source area at the site. In order to determine that the Stage 2 Abatement Plan is administratively complete, the NM EMNRD OCD Director has complied with Subsection B of 19.15.30.15 of the New Mexico Administrative Code (NMAC) by reviewing the document and concluding that it satisfies the requirements of Paragraph (2) of Subsection D of 19.15.30.13 NMAC.

Members of the public may view a copy of the Stage 2 Abatement Plan at the NM EMNRD OCD's Santa Fe office located at 1220 S. St. Francis Drive Ste 138, Santa Fe, NM or at the NM EMNRD OCD's district office at 1000 Rio Brazos Road, Aztec, NM. Additionally, the Stage 2 Abatement Plan is available for viewing electronically on the NM EMNRD OCD public database at <https://ocdimage.emnrd.nm.gov/imaging/>. The NM EMNRD OCD is accepting written comments and requests for consideration if they are received within 30 days after the publication date of this public notice. Any person seeking to comment on a Stage 2 Abatement Plan should submit written comments to:

Mr. Michael Buchanan
Environmental Specialist
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

The NM EMNRD OCD shall distribute notice of the submittal of the Stage 2 Abatement Plan with the next division and commission hearing docket following receipt of the plan. Additional information can be obtained from the Enterprise project contact:

Ms. Kendall Schade
P.O. Box 4324
Houston, Texas 77210-4324
(713) 330-3663

Appendix C - Landowner Table
Property Owners Within One (1) Mile Radius

Lateral K-31 Pipeline Release (2011)
Rio Arriba County, New Mexico
Enterprise Field Services, LLC

Parcel Number	Owner Name	Owner Address	Owner City, Stae, Zip Code
2034147160185	Navajo Nation of Indian Department of Agriculture	PO Box 4889	Window Rock, AZ 86515
2034147198264	United States of America	6251 College Blvd., Suite A	Farmington, NM 87402
2033148396008	United States of America	6251 College Blvd., Suite A	Farmington, NM 87402
No Parcel Number	United States of America	6251 College Blvd., Suite A	Farmington, NM 87402
No Parcel Number	New Mexico State Land Office	PO Box 1148	Santa Fe, NM 87504

Enterprise Field Services, LLC (Enterprise) hereby announces the publication of a Stage 2 Abatement Plan (Revision 1) for soil and groundwater impacts identified at the Lateral K-31 pipeline release site located at latitude 36.393827° and longitude -107.475065° within the southwest (SW) ¼ in Section 16 of Township 25 North, Range 6 West in rural Rio Arriba County.

On December 2, 2011, a release of natural gas condensate was identified due to a leak on the Lateral K-31 pipeline. Initial site assessments and subsurface investigations concluded that soil and groundwater impacts were present above applicable New Mexico (NM) Energy, Minerals and Natural Resource Department (EMNRD) Oil Conservation Division (OCD) standards for soil and Water Quality Control Commission (WQCC) standards for groundwater. The current extent of soil impact is estimated to be less than 0.1 acres. No surface water was impacted.

The Director of the NM EMNRD OCD has approved a Stage 2 Abatement Plan (Revision 1) in which Enterprise proposes to excavate and dispose of petroleum hydrocarbon impacted soils from the source area at the site. In order to determine that the Stage 2 Abatement Plan (Revision 1) is administratively complete, the NM EMNRD OCD Director has complied with Subsection B of 19.15.30.15 of the New Mexico Administrative Code (NMAC) by reviewing the document and concluding that it satisfies the requirements of Paragraph (2) of Subsection D of 19.15.30.13 NMAC.

Members of the public may view a copy of the Stage 2 Abatement Plan (Revision 1) at the NM EMNRD OCD's Santa Fe office located at 1220 S. St. Francis Drive Ste 138, Santa Fe, NM or at the NM EMNRD OCD's district office at 1000 Rio Brazos Road, Aztec, NM. Additionally, the Stage 2 Abatement Plan (Revision 1) is available for viewing electronically on the NM EMNRD OCD public database at <https://ocdimage.emnrd.nm.gov/imaging/>. The NM EMNRD OCD is accepting written comments and requests for consideration if they are received within 30 days after the publication date of this public notice. Any person seeking to comment on a Stage 2 Abatement Plan (Revision 1) should submit written comments to:

Mr. Corey Smith
Environmental Special Projects Supervisor
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

The NM EMNRD OCD shall distribute notice of the submittal of the Stage 2 Abatement Plan with the next division and commission hearing docket following receipt of the plan. Additional information can be obtained from the Enterprise project contact:

Mr. Joseph Doyle
P.O. Box 4234
Houston, Texas 77210-4324
(713) 381-4668

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 443334

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 443334
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	All soil samples will be analyzed for BTEX - USEPA SW-846 Method 8260B/8021B, Chloride - USEPA Method 300.0, PAH - USEPA Method 8270- SIM and TPH - USEPA SW-846 Method 8015M.	2/23/2026
shanna.smith	Clarify site monitor wells have been analyzed for chlorides and TDS. If there is no historic analysis, sample wells.	3/10/2026
shanna.smith	Submit Abatement Completion Report following soil abatement activities. Include schedule, if approved, of plugging and abandonment of monitor wells, site reclamation, and re-vegetation.	3/10/2026
shanna.smith	Continue to monitor and sample site wells as scheduled.	3/10/2026