

# **Groundwater Recirculation System Evaluation - August 2025 Groundwater Monitoring Report**

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December 10, 2025

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# Acronyms

amsl	above mean sea level
bgs	below ground surface
BNSF	Burlington Northern – Santa Fe Railroad
COC	Chemical of Concern
Coleman Oil	Coleman Oil Company
DRPH	diesel range petroleum hydrocarbons
Ecology	Washington Department of Ecology
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane
EEC	Environmental Engineering & Consulting, Inc.
EPA	Environmental Protection Agency
GRPH	gasoline range petroleum hydrocarbons
HydroCon	HydroCon Environmental LLC
µg/L	micrograms per liter
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicates
LNAPL	light nonaqueous-phase liquid
MDL	method detection limit
MRL	method reporting limit
MTBE	Methyl tert-butyl ether
MTCA	Model Toxics Control Act
MNA	monitored natural attenuation
ORPH	oil range petroleum hydrocarbons
PAHs	polynuclear aromatic hydrocarbons
PID	photoionization detector

## EXECUTIVE SUMMARY

This Groundwater Monitoring Report provides the scope and findings of groundwater monitoring that was performed in August 2025. This monitoring event represents the first quarterly sampling after the groundwater recirculation system was turned off on July 14, 2025.

The following tasks and reporting performed for this monitoring event include:

- Reposition of the booms along the shoreline of the Columbia River.
- Turn off the groundwater recirculation system on July 14, 2025.
- Remove the pumps from the recovery wells, clean and store them at the Site for potential reuse.
- Redevelop MW09R, MW17, MW28, MW29, BH01R, and BH-2 after the pumps were removed.
- Perform weekly depth to water and product measurements at each of the Site monitoring and recovery wells after the groundwater recirculation system was turned off on July 14, 2025.
- Collect groundwater samples for chemical analysis at 17 wells.
- Review the laboratory results and perform a data validation review and summary.
- Compile the depth to water, product level information, and analytical data into summary tables and figures.
- Prepare a groundwater elevation contour plot from the water level measurements collected on August 13, 2025 (Figure 3).
- Prepare figures showing the extent and concentration of GRPH and DRPH in groundwater at the site based on August 2025 results (Figures 4 and 5).
- Prepare a discussion on the laboratory results, groundwater flow direction and gradient, and the extent of gasoline range petroleum hydrocarbons (GRPH) and diesel range petroleum hydrocarbons (DRPH) contamination in groundwater at the site.

## 1.0 INTRODUCTION

ACC Environmental Consultants, LLC (ACC)<sup>1</sup>, has prepared this report on behalf of Coleman Oil Company (Coleman Oil) under Agreed Order DE 15389 for the site known as Coleman Oil Biodiesel Spill Site (Site). This Work Plan conforms with the requirements of this Order, which was entered into by Coleman Oil Company, LLC; Coleman, Services IV, LLC; and the Washington State Department of Ecology (Ecology), effective October 30, 2017 (Agreed Order Ecology 2017a).

Following the discovery of the oil sheen on the Columbia River, remedial actions at the Site initially began with oil spill response activities and removal actions conducted under the authority of Section 311(b)(6) of the Clean Water Act (CWA), 33 U.S.C. § 1321(b)(6). Under this authority, EPA issued two consent agreements<sup>2</sup>. In 2017, the remedial actions at the Site then transitioned to state oversight under Agreed Order DE 15389 with Ecology.

The initial petroleum releases originated at the former fuel storage facility at 600 South Worthen Street<sup>3</sup> in Wenatchee, Washington near the west shoreline of the Columbia River. Investigations revealed that the hazardous substances had spread across four property parcels. Figure 1 shows the location of the Site. Petroleum contamination was found in soil, groundwater, and surface water at concentrations that exceeded applicable state or federal cleanup levels (CULs) at the Site.

Since 2017, several remedial actions have been completed to (1) characterize the nature and extent of contamination related to the releases at the facility, (2) remove petroleum contaminated soil (PCS) in the uplands portion of the Site and (3) to recover and treat the released product and petroleum contaminated groundwater.

More specifically, these remedial actions included product recovery in the Columbia River and in upland wells and sumps, removal of source material in the subsurface via remedial excavations at several locations in the uplands, and the installation and operation of groundwater treatment systems that controlled water levels in the water-bearing units and captured and treated contaminated groundwater. The groundwater treatment system has evolved during the investigation, expanding in size with an increased number of extraction wells and volume of water being treated. In 2020, the groundwater treatment system was upgraded to its most recent form which involved recirculating the treated groundwater back into selected locations in the uplands. The treated water was supplemented with hydrogen peroxide to increase the available oxygen content to enhance the biodegradation rate of any petroleum organics.

After five years of operation, an evaluation of the groundwater recirculation system is warranted. Ecology will assess the effectiveness of the system in treating petroleum contamination as separate phase product and as dissolved phase product. The system was turned off on July 14, 2025. A 30-day

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<sup>1</sup> Formerly HydroCon Environmental, LLC.

<sup>2</sup> These two federal cases were settled in 2019.

<sup>3</sup> [https://pacs.co.chelan.wa.us/PropertyAccess/Property.aspx?cid=91&year=2024&prop\\_id=55798](https://pacs.co.chelan.wa.us/PropertyAccess/Property.aspx?cid=91&year=2024&prop_id=55798)

“equilibration” period was done to allow water levels in the aquifer to return back to static conditions. Weekly water level and product measurements were performed during this time period to assess if any back diffusion of product was observed in the wells or a petroleum sheen occurred in the Columbia River near the four seeps. On August 13-15, 2025, the first of four quarterly groundwater monitoring events was performed at the Site. Three additional quarterly groundwater monitoring events will follow. The findings will provide information to evaluate the effectiveness of the groundwater remediation system and to help determine if additional remedial actions are needed.

## **1.1 Purpose and Objectives**

A Work Plan<sup>4</sup> was prepared to formulate a strategy and methodology to evaluate the effectiveness of the remedial actions taken at the Site. Implementation of this Work Plan will evaluate the performance of the groundwater recirculation system, which was originally installed as an interim action, and the system’s effectiveness in addressing petroleum products in the substrate and with associated groundwater contamination. To do so, required the system to be shut down. The system was shut down on July 14, 2025.

Note that a restoration time frame was not initially established during the design and construction phase of this groundwater remedial system that was primarily intended to prevent surface water impacts. This factor is an important element in selecting an appropriate cleanup action for a site under an agreed order. In lieu of this, Ecology in consultation with Coleman Oil and HydroCon determined that the five-year mark of system operation presents an appropriate time to evaluate the system.

The performance and effectiveness of the system will be judged on the following questions that are related to the remedial action objectives:

- Has any rebound of contamination as separate phase product and/or as dissolved phase contamination occurred after a sufficient period of system shutdown?
- Has recoverable free product been removed to the maximum extent practicable in all targeted treatment areas over the 5-year operating period?

## **1.2 Document Organization**

The Groundwater Monitoring Report is organized as follows:

Section 1, Introduction

Section 2, Background Information, which provides a description of the Site, Property ownership, and geologic and hydrogeologic setting.

Section 3, Field Work

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<sup>4</sup> ACC, *Groundwater Recirculation System Evaluation Work Plan*, June 18, 2025.

Section 4, Groundwater Monitoring Results

Section 5, Discussion

Section 6, Future Monitoring Schedule

Section 7, Qualifications

Section 8, References

## 2.0 BACKGROUND INFORMATION

This section summarizes site information, the facility’s ownership and operational history, the geologic and hydrogeologic setting, and groundwater monitoring at the Site. Further details are discussed in the Supplemental Remedial Investigation (SRI) Work Plan (HydroCon<sup>5</sup> 2018a) and the SRI Report (HydroCon 2018b) as well as previous groundwater monitoring reports.

### 2.1 Site Description

The Site is generally located at 600 South Worthen Street in Wenatchee, Washington (Figure 1)<sup>6</sup>. The legal description of the property on which the former bulk fuel facility existed is Manufacturers Amended Block 4 Lots 1-9. The facility property comprises 1.27 acres.

The Site, which is characterized by more than one release at the former facility, encroaches across four parcels. The current property ownership is listed below:

- Chelan County Parcel No. 222011693005, Coleman Services V LLC (Coleman property).
- Chelan County Parcel No. 222010693001, Chelan County Public Utilities Department (PUD) (electrical substation to north of Coleman property).
- Chelan County Parcel No. 222011693105, Chelan County PUD (shoreline east of Coleman Property); and
- Chelan County Parcel No. 222011693100, Chelan County PUD (shoreline to northeast of Coleman property).

### 2.2 Property Ownership and Operational History

Beginning in 1921, the facility and its associated property were owned and developed by Standard Oil Company as a bulk fuel facility. Various changes in the facility configuration, including number and types of tanks, and their locations, occurred from that time until the 1950s.

In 1980, North Central Petroleum, Inc. purchased the facility property and its operations, according to online records accessed at the Chelan County Assessor’s website in 2017.

In the early 1990s, Tank Farm A was installed at the south-central portion of the facility. This unit consisted of two 25,000-gallon ASTs, two 20,000-gallon ASTs, one 19,500-gallon AST, five 19,400-gallon ASTs, and associated pumps and piping. Tank Farm B, south of the warehouse and office building, included eight 2,100-gallon petroleum ASTs and associated pumps. Figure 2 depicts the location of these two tank farms. In 1997, an underground storage tank (UST) and cardlock system were installed in 1997.

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<sup>5</sup> HydroCon has been retained by Coleman Oil to provide environmental consulting services for this project. ACC Environmental Consultants, LLC (ACC) purchased HydroCon in 2023 and now refers to the company as ACC.

<sup>6</sup> As listed in the Chelan County Assessor’s online records.

In January 2007, Coleman Services IV, LLC purchased the facility and the property from North Central Petroleum, Inc. Additional changes to the facility's operating configuration occurred over the next ten years. This involved new installations and replacements as well as decommissioning.

In 2017, the above ground storage tanks and associated distribution system were decommissioned. Existing buildings were also demolished and removed.

Currently, only the card lock pump island, its associated UST, and a fenced truck parking area to the south of the card lock are used in operations conducted on that portion of the facility that remains actively used.

Most of the facility's property is fenced, which includes the area which had the former buildings, bulk fuel tank farms, and the truck fuel loading rack. The card lock pump island is situated at the south end of the facility property just outside of the fence.

More detailed historical information about the former facility is available in the references listed as Blue Mountain Environmental Consulting (2007) and Farallon (2017b). These reports are available online<sup>7</sup>.

### **2.3 Geologic & Hydrogeologic Setting**

The Site is situated on a terrace about 150 feet west-southwest of the Columbia River, at an elevation approximately 660 feet above mean sea level (Figure 1). As shown on USGS Wenatchee Quadrangle 7.5 minutes series topographic map, the regional topography slopes from the highlands (west of Wenatchee) east-northeasterly towards the Columbia River.

According to the United States Department of Agriculture's Natural Resource Conservation Service soil map<sup>8</sup>, the soil at the Site is identified as the Peshastin stony loam that developed from parent material deposited on a river terrace. This soil and unconsolidated alluvial deposits overlie the bedrock formed by the Chumstick Formation. The unconsolidated alluvium consists of outburst flood deposits<sup>9</sup> of silt and silty sand, with layers of clay, sand, gravel, cobbles, and boulders. The thickness of the alluvium ranges from 6 to 31.5 feet.

In the consolidated portion of the sedimentary sequence, boring logs and drilling observations indicate a massive, well-cemented sandstone unit exists beneath thin layers of mudstone, shale, and sandstone. The sandstone appears to form a perching layer in this area.

The groundwater level is present within a few feet of the top of the Chumstick Formation which likely

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<sup>7</sup> <https://apps.ecology.wa.gov/cleanupsearch/site/13215#site-documents>

<sup>8</sup> <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

<sup>9</sup> [https://geologyportal.dnr.wa.gov/2d-view#wigm?-14056695,-12882622,5708846,6339298?Surface\\_Geology,500k\\_Surface\\_Geology,Map\\_Units](https://geologyportal.dnr.wa.gov/2d-view#wigm?-14056695,-12882622,5708846,6339298?Surface_Geology,500k_Surface_Geology,Map_Units)

represents the weathered nature of the upper portion of this formation. The groundwater level is found consistently above the top or near the top of the massive sandstone layer. A localized exception is MW22 where the groundwater is approximately 15 feet above the top of the Chumstick Formation. The MW22 area has been disturbed by previous excavation and backfilled with construction debris and other fill materials.

Contaminant transport and groundwater flow occurs on or near the surface of the Chumstick Formation. Field observations paired with analytical data show that petroleum contamination penetrates a few feet into the formation and travels laterally within the shaley sandstone and shale, siltstone, mudstone of the Chumstick Formation. The cross sections, based on geological interpretation of the boring logs, show that the groundwater flow direction and the dip of the sandstone surface are both to the north/northeast, except in the region between the Site and the riverbank of the Columbia River, where both are more to the east, as shown in Figures 11 and 22 of the Supplemental Remediation Report (HydroCon, 2018c).

The shallow water-bearing portion of the alluvium at the Site is primarily recharged by seasonal precipitation. Other contributions include the Columbia River during seasonal high water, irrigation from landscape planters near the subject site, and stormwater drainage from upland areas located at higher elevations.

Four seepage discharge points, as shown in Figure 2, (SL01 through SL04), were discovered during site characterization<sup>10</sup>. Separate phase petroleum product entered the Columbia River from these discharge points and initially formed a complete transport and exposure pathway from groundwater to surface water. Likewise, this same pathway served as a conduit for groundwater with contaminant concentrations to enter the surface water. It is hypothesized that the artificially controlled water elevation between the upper and lower hydroelectric dams may mitigate the impact to surface water during times when the groundwater level is low in comparison to the elevation of the impoundment such that the direction of water flow is towards the uplands. This condition is also referred to as a losing stream. The converse of this condition is referred to as a gaining stream.

Note that these conditions can vary seasonally. In fact, the influence of precipitation in the uplands may likely be the overriding factor since the pool elevation is controlled over narrowly-constrained operating limits. During seasonal precipitation events, water inputs from overland flow and contributions through tributaries and other routes such as outfalls may locally increase enough that the hydraulic gradient slopes from the uplands to the Columbia River.

In February 2018, a pumping test was performed to collect information necessary to maintain hydraulic containment of the groundwater contaminants. Each pumping well was installed in a boring that had field screening evidence of petroleum impacted soil and/or LNAPL. Pneumatic pumps were placed in these nine pumping wells (depicted in Figures 4 and 5) and set at elevations within the screened intervals that are lower than the lowest seeps so that the groundwater levels in the upland portion of the site could be maintained below the elevation of the seeps.

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<sup>10</sup> <https://apps.ecology.wa.gov/cleanupsearch/document/85209>

Evidence that pertains to the comprehensive interpretation of this groundwater – surface water interaction will be more fully described in a subsequent report.

## **2.4 Remedial Measures**

Several remedial measures have been performed at the Site since the discovery of the release.

- Pads and booms were placed in the Columbia River in the observed sheen discharge area to recover product after discovery of the release. This practice has continued along with daily observations regarding Columbia River conditions but now reported on a weekly basis.
- A remedial excavation was performed at the Coleman Oil facility near the point of release. Approximately 741 tons of petroleum contaminated soil (PCS) were removed for offsite disposal at a permitted facility that accepts PCS.
- Sumps were placed in the remedial excavation backfill. Pumps were placed in the sumps to recover product and maintain a cone of depression to minimize product migration. Effluent from the sumps was routed to an oil/water separator and settling tanks prior to treatment using granular activated carbon (GAC). The treated water was initially disposed of under permit into the City of Wenatchee's sanitary sewer system.
- Farallon Consulting and Ecology's consultant (Environmental Partners, Inc. [EPI]) installed fifteen wells at the Site (MW-1 through MW-11, BH-1 through BH-3, and RW-1). Product recovery via skimming using a peristaltic pump and tubing and/or passive recovery using hydrophobic socks occurred in some of the wells.
- In April 2018, HydroCon performed a supplemental remedial investigation (2018 SRI) that included the addition of fourteen new 4-inch diameter monitoring wells (MW12 through MW23, MW01S and MW03S). Three wells with persistent light nonaqueous-phase liquid (LNAPL) measurements (MW-9, MW-10, and BH-1) were fitted with pumps and connected with underground piping to provide pressurized air to operate the pumps, electrical power conduits with heat tape at each pumping well to prevent freezing, and effluent piping to collect the contaminated groundwater and product. The recovered groundwater and product from these wells were routed through three oil/water separators (OWS) with temporary storage in an above ground tank, and then rerouted through filtration to remove particulates and treated with GAC and finally treated wastewater was directed back into a storage tank for temporary holding. The treated water was then analyzed in batches under an agreement between Coleman Oil and the City of Wenatchee prior to discharge into the City's sanitary sewer system. Pumping of these three new wells began on May 5, 2018.
- In August 2018 nine new 4-inch diameter monitoring wells (MW24 through MW32) were installed at the Site. Two of these wells used to recover product and contaminated groundwater (MW-9 and MW-10) were later deepened, completed as 4-inch diameter wells, and renamed MW09R and MW10R, respectively.

- In early September 2018, a release of diesel and gasoline from a 55-gallon drum onto the ground surface occurred at the Site near the northeastern corner of Tank Farm A. In response, a total of 16.83 tons of PCS was removed by excavation. Confirmation soil sampling results indicated that the lateral extent of contamination had been removed. However, the concentration of GRPH and DRPH in the excavation floor sample collected near the groundwater interface exceeded their respective MTCA Method A cleanup level. No further excavation was attempted due to the proximity of the Tank Farm A containment and a massive boulder that was too large to remove using the excavation equipment. Further remedial action in this area was considered in the feasibility study that was prepared later for the Site.
- The remediation system for recovering product and treating groundwater was expanded in November 2018 to include six more recovery points (MW17, MW24, MW28, MW29, MW30, and MW32). The modified remediation system now consists of three separate zones that pump LNAPL and contaminated groundwater into the OWSs. These zones include the MW09R zone (MW09R, MW17, and MW32); the MW10R zone (MW10R, MW24, and MW28); and the BH-1 zone (BH01R, MW29, and MW30) with all 9 wells active. The expanded remediation system began pumping on November 2, 2018.
- On May 21-23, 2019 a remedial excavation was performed at the former Control Valve Building and Tank Farm B. A total of 875 tons of PCS was removed and disposed of at the Greater Wenatchee Regional Landfill. Monitoring well MW13 was removed during the excavation process. Replacement well MW13R was installed in a similar location after the remedial excavation was completed. Two sets of 4-inch diameter slotted Schedule 40 PVC piping were placed inside the excavation at a depth of approximately 5 feet bgs for potential use as conveyance piping for the application of treated and oxygen enriched groundwater.
- The Site's groundwater treatment system was upgraded in 2020. The new system was activated in August 2020 and recirculates treated water into sumps located in the uplands area of the Site instead of discharging it into the City of Wenatchee's sanitary sewer system. Petroleum contaminated water is collected from 9 pumping wells (MW09R, MW10R, BH01R, MW17, MW24, MW28, MW29, MW30, and MW32) and treated using granular activated carbon (GAC), the same as the previous system. The treated water is temporarily placed into storage tanks located in Tank Farm A. The treated water is enriched with oxygen using 0.075% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) and then discharged into one or more of the sumps that were placed in the uplands area during remedial excavations in 2017 and 2019. This creates a closed loop system designed to enhance the biologic degradation of residual hydrocarbons at the Site.
- A remedial excavation was performed on October 30 to November 3, 2024 near former monitoring well MW-14 to remove source material associated with the historic operations of Tank Farm B and storage building. A total of 523.55 tons of PCS was removed and disposed of at the Greater Wenatchee Regional Landfill. Monitoring well MW14 was removed during the excavation process. MW14R was installed as a replacement well in a similar location after the remedial excavation was completed. Two sets of 4-inch diameter slotted Schedule 40 PVC piping were also placed inside the excavation at a depth of approximately 5 feet bgs for potential use as conveyance piping for the application of treated and oxygen enriched groundwater.

The construction details for all wells, including well depth, screened intervals, and screen diameters are summarized on Table 1.

As of December 31, 2019, a total of 454.47 gallons of product had been recovered (HydroCon 2020b). The majority of the product is believed to be R99 from the 2017 release. Other fuel products have been identified by forensic analysis to be present in the subsurface, including gasoline, non-R99 diesel fuel, and lubricating oil, so it is likely that some of the recovered separate phase product includes petroleum products other than R99.

Since December 31, 2019 measurement and product recovery from the OWS portion of the remediation system was halted due to the lack of observable product collecting in the OWS. However, the OWS are checked for the presence of free product on a bi-weekly basis and potential skimming if product accumulates in the OWS. Algae and iron bacteria have been the only material observed and removed in the OWS since then.

## **2.5 Groundwater Monitoring at the Site**

Quarterly groundwater monitoring has been performed at all site wells (38) beginning in 2018. In 2021, groundwater monitoring transitioned to an alternating semi-annual basis (spring and fall in 2021 followed by winter and summer in the next year, etc.) at the selected seventeen monitoring wells (MW-6, MW-8, MW09R, MW10R, MW-11, MW13R, MW14, MW17, MW20, MW21, MW24, MW28, MW29, MW30, MW32, BH01R and BH-2).

## **2.6 Monitoring Well Identification**

HydroCon utilizes a well and boring identification convention that differentiates wells and borings installed by HydroCon versus installations by others. Wells and borings installed by other consultants include a hyphen in the identification (e.g., MW-11, BH-2) whereas those installed or modified by HydroCon do not include a hyphen (e.g., MW12, HC01).

## **3.0 GROUNDWATER RECIRCULATION SYSTEM SHUT DOWN AND SITE MONITORING**

After shutdown of the remediation system, an evaluation of whether groundwater contaminant rebound occurs either through back diffusion or otherwise through reappearance of separate phase product or dissolved phase contamination will be done by frequent gauging of the Site monitoring wells along with quarterly groundwater sampling. As a starting point, a time period of 30 days was used as the baseline for groundwater levels to reach “equilibrium”. Thereafter, quarterly groundwater monitoring will be performed for a total of four quarters which should allow sufficient time to check for back diffusion.

This section provides details of the tasks taken to prepare for the shutdown of the system including repositioning the booms along the Columbia River, turning off the remediation system, removing the pumps from the extraction wells and redevelopment of selected monitoring wells in preparation for post-groundwater recirculation system shut down monitoring.

### ***3.1 Reposition Booms along the Columbia River***

Booms along the banks of the Columbia River were originally placed during emergency response measures in 2017. Due to changing water levels, portions of the booms had been washed ashore and tangled with debris. After cleaning, Northern Resource Consulting (NRC) and ACC redeployed the booms along the shoreline to serve as an effective barrier for product capture and control.

On July 10, 2025, during redeployment of the booms, NRC anchored the booms along the shoreline and river bottom to match the original configuration shown on Figure 2. Pictures of the vessel and booms are included in Appendix A.

### ***3.2 Shut Down of the Groundwater Recirculation System***

The groundwater recirculation system was shut down on July 14, 2025, near the expected seasonal high groundwater period in the uplands. The seasonal high for the uplands typically corresponds with spring runoff, which occurs in April and May but the pool elevation high can be seen as late as June or July. This is supported by the data on water elevations recorded for the upland wells are shown in the quarterly reports.

### ***3.3 Removal of the Extraction Pumps***

A total of nine (9) monitoring wells (MW09R, MW10R, MW17, MW24, MW28, MW29, MW30, MW32, and BH01R) had been fitted with pneumatic groundwater extraction pumps at the Site to capture product and to maintain water levels in the Uplands monitoring wells below the elevation of the seeps along the shoreline. After the groundwater recirculation system was turned off, ACC disconnected the compressed air fittings from the pneumatic groundwater pumps. Each pump and its associated tubing were manually

removed from the wells and brought over to the AST containment structure at the south end of the site. The pumps were then sprayed with a pressure washer, washed with an Alconox/water mixture and rinsed with potable water. Once these steps were completed, each pump was disassembled to clean internal components prior to storage. At the conclusion of pump cleaning, each pneumatic pump was reassembled and labeled with the recovery well ID it was removed from, wrapped in 6-mil poly sheeting, and stored inside the AST containment area.

Petroleum contaminated groundwater remaining in the recovery piping was purged from the lines using compressed air. Each line was purged from the recovery well vault to its terminus at the oil/water separators. The air compressor was shut off following line purging activities.

Cleaning of the oil/water separators is planned for the Winter 2026. A vac truck and pressure washer will be used to clean the inside of the oil/water separators. Residual groundwater and wash water will be removed and disposed of at Marvac's licensed disposal facility. Concrete epoxy will be used to line the interior of the oil/water separators and fill/seal cracks so that the separators will be water-tight.

### **3.4 Well Development**

After removal of the pneumatic pumps and associated tubing from the wells on July 15, 2025, ACC assessed which wells required redevelopment based on field observations including the presence of iron bacteria, sediment on the bottom of the well, and water clarity. Based on these observations, well redevelopment was performed at wells MW09R, MW17, MW28, MW29, BH01R, and BH-2. This procedure was done in anticipation of the upcoming quarterly groundwater monitoring to remove legacy contaminants bound to sediments at the bottom of the well that could affect sample results. New LDPE tubing was placed in the wells.

A clean stainless-steel bailer attached to a new length of poly rope was used to surge and bail sediment and turbid water from each well. The well was then pumped using new LDPE tubing attached to a clean submersible impeller pump. The process was repeated until no further visual improvement in water clarity was observed. Sediment removed from the bottom of MW09R and MW29 exhibited petroleum sheen and odor, but after purging, the purge water did not exhibit petroleum sheen or odor. Well development details and procedures for each well were documented on *Well Development Forms* (Appendix B).

### **3.5 Site Monitoring During System Shutdown**

Following the shutdown of the groundwater recirculation system, ACC performed weekly gauging of the Site monitoring wells to measure the depth to water and product (if present). Daily reconnaissance of the Columbia River for the presence of sheen was performed by Mr. Jim Clayson, a Coleman Oil employee. These actions were performed to assess if product or dissolved phase rebound is observed after the remediation system is turned off. All measurements and observations are documented on field forms (Appendix C).

Following the completion of the first quarterly groundwater monitoring event (August 15, 2025), ACC will gauge the Site wells once a month until the subsequent quarterly groundwater monitoring event takes place. This schedule will continue until the completion of the one-year post shutdown monitoring. Daily observation of the Columbia River for the presence/absence of a sheen near the 4 seeps will continue for the full year of post shutdown monitoring. Details of these tasks are provided below.

### **3.6 Water and Product Level Monitoring**

During the 30-day equilibration period, ACC visited the site weekly to perform water and product level monitoring. These events took place on July 23, July 31, August 6 and August 13, 2025. The caps of the wells were removed to allow water levels to equilibrate. A clean electronic oil/water interface probe was used to measure water and product levels relative to the surveyed reference point on the top of each respective PVC well casing. The measurements were recorded on a field form and documented in Table 2. There was no measurable product in any well.

### **3.7 River Level and Sheen Monitoring in the Columbia River**

Mr. Clayson performed daily river level and sheen monitoring at the observation points in the sheen discharge area identified during site characterization. Observation of changes in the river elevations were conducted relative to a monument installed near Seep location SL02. This monument was established on the river bank at an elevation of 618.57 feet mean sea level (MSL) which the same elevation as the lowest seep along the shoreline. Mr. Clayson documents whether the river level is above or below this monument.

The river in the vicinity of the Seeps is also observed for the presence/absence of a petroleum sheen. Mr. Clayson recorded the data on the *River Level and Sheen Assessment Form* he prepares daily for the Monthly Progress Reports (Appendix C). The river level remained below the monument and there was no sheen observed in the river during the reporting period.

## **4.0 AUGUST 2025 GROUNDWATER MONITORING**

This section describes the sampling procedures, analytical methods, groundwater conditions, and laboratory results for wells sampled or monitored in August 2025. A data quality review is included.

### **4.1 Groundwater Sampling Procedures**

On August 13, 2025 (30 days after the remediation system was turned off), the water level in each well was measured using a clean electronic water level indicator. Water levels were measured at the scribed reference mark (north side of the top of the polyvinyl chloride casing) at each well. The water level was documented on the Groundwater Sample Collection Forms (Appendix D).

ACC collected groundwater samples on August 13 and 14, 2025 from 17 site monitoring and recovery

wells (MW-6, MW-8, MW09R, MW10R, MW11, MW13R, MW14R, MW17, MW20, MW21, MW24, MW28, MW29, MW30, MW32, BH01R and BH-2). Two duplicate samples (MW101 and MW102) were collected from MW-6 and MW10R, respectively, for quality assurance/quality control (QA/QC) purposes.

Prior to groundwater sampling, monitoring wells were purged with a low-flow peristaltic pump or bladder pump equipped with a new length of low-density polyethylene tubing attached to a new length of silicone tubing in accordance with U.S. Environmental Protection Agency (EPA) guidance for low-flow sampling<sup>11</sup>. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in each well. During purging, water quality was monitored using a Quanta Multi-parameter water quality meter equipped with a flow-through cell. The water quality parameters monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Each well was purged until all six water quality parameters stabilized or the minimum parameter subset of pH, specific conductance, temperature, and turbidity and/or dissolved oxygen stabilized. *Groundwater Sample Collection Forms* are included as Appendix D.

Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported under chain-of-custody to APEX laboratory of Tigard, Oregon, for laboratory analysis.

Purge water generated during the monitoring event was collected in 5-gallon buckets and transferred to the oil water separators in the onsite treatment system for treatment and then recirculated back into the subsurface.

## **4.2 Laboratory Analysis**

The analytical protocols for the samples collected at the Property include the contaminants of concern (COC) at the site that were derived from the required testing for petroleum releases for gasoline (Table 830-1 in the MTCA Cleanup Regulations Chapter 173-340 WAC). The COCs are the chemicals that are present in groundwater at the Site. The analytical methods used to quantify the COCs include:

- GRPH using Northwest Method NWTPH-Gx
- DRPH and ORPH using Northwest Method NWTPH-Dx with and without silica gel cleanup
- BTEX and naphthalene using EPA Method 8260D

## **4.3 Groundwater Conditions**

HydroCon measured water levels at 38 wells on August 13, thirty (30) days after the groundwater recirculation system was shutdown to allow water levels to equilibrate to static conditions. The depth to water measurements for August 13, 2025 and calculated groundwater elevations at each well are

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<sup>11</sup> *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures (April 1996)*. EPA/540/S-95/504

summarized in Table 2. Monitoring wells MW15 and MW18 were dry.

On August 13, 2025, the depth to water at the Site ranged from 7.50 feet bgs (MW-3) to 38.66 feet bgs (MW-5) and groundwater elevations ranged from 617.34 (MW-5) to 650.76 (MW-3) feet amsl. A groundwater elevation contour plot was prepared from this data set (Figure 3). Groundwater flow across the Site was generally to the northeast with a more easterly flow in the southern portion of the Site. The groundwater gradient in the northern portion of the property between MW14R and MW22 was approximately 0.07 ft/ft. The gradient in the southern portion of the Site between MW-2 and MW-5 is much steeper at approximately 0.42 ft/ft.

Vertical gradients were calculated for well pairs MW-1/MW01S and MW-3/MW03S located in the southern portion of the Site. These well pairs are located within 10 horizontal feet of each other. The vertical hydraulic gradient within an aquifer (or between two aquifers separated by an aquitard) is calculated by dividing the difference in hydraulic head (or water level elevation) by the vertical (elevation) distance between the well screen midpoints. Table 5 provides the parameters and calculations for the vertical gradients of the well pairs.

The groundwater elevations for each well pair are similar. A slightly higher elevation was measured in deeper well MW-1 indicating a slight upward vertical gradient in the well pair with an approximate gradient of 0.077 ft/ft. A slightly higher elevation was measured in deeper well MW-3 indicating a slight upward vertical gradient in the well pair with an approximate gradient of 0.045 ft/ft.

## **4.4 Groundwater Sampling Results**

Laboratory analytical results are reported as micrograms per liter ( $\mu\text{g/L}$ ) or parts per billion. The results are provided in Table 3 and laboratory reports are included as Appendix E. A summary of the results for each constituent sampled is provided below.

### **4.4.1 Gasoline Range Petroleum Hydrocarbons**

GRPH was detected above the laboratory's method reporting limit (MRL) in 10 wells including MW-6, MW-8, MW09R, MW10R, MW11, MW13R, MW17, MW21, MW29 and BH01R. The GRPH concentration ranged up to 1,300  $\mu\text{g/L}$  at MW13R. The MTCA Method A cleanup level (CUL) for GRPH is 800  $\mu\text{g/L}$  and was exceeded in the MW09R, MW13R and MW17 samples.

### **4.4.2 Oil Range Petroleum Hydrocarbons**

ORPH was not detected in any sample above the MRL.

### **4.4.3 Diesel Range Petroleum Hydrocarbons**

DRPH was detected above the CUL in each well sampled with concentrations ranging up to 3,980  $\mu\text{g/L}$

at MW13R. The CUL for DRPH is 500 µg/L and was exceeded in all wells sampled.

#### **4.4.4 Diesel Range Petroleum Hydrocarbons with Silica Gel Cleanup**

DRPH was detected above the MRL in 14 out of 17 wells sampled with concentrations ranging up to 1,380 µg/L at MW13R. A significant reduction in the number of samples above the CUL was observed after silica cleanup process which utilized methylene chloride in the preparation process. Only three samples collected from MW09R, MW13R and BH01R have DRPH above the CUL after silica gel cleanup. Further discussion of these results is provided in Section 4.3.

#### **4.4.5 Benzene**

Benzene was detected above the MRL in two wells (MW13R and MW17) at a concentration up to 45.5 µg/L. The CUL for benzene (5 µg/L) was exceeded in the MW13R sample. This well is located in the former Tank Farm B area.

#### **4.4.6 Toluene**

Toluene was not detected above the MRL in any well sampled.

#### **4.4.7 Ethylbenzene**

Ethylbenzene detected above the MRL in two wells (MW13R and MW17) at a concentration up to 1.51 µg/L. The CUL for ethylbenzene (700 µg/L) was not exceeded in any sample.

#### **4.4.8 Total Xylenes**

Total xylenes were not detected above the MRL in any well sampled.

#### **4.4.9 Naphthalene**

Naphthalene was not detected above the MRL in any well sampled.

#### **4.4.10 Polynuclear Aromatic Hydrocarbons**

Polynuclear aromatic hydrocarbons (PAHs) were not analyzed in any of the wells during this sampling event. Historic results are provided in Table 4.

### **4.5 Assessment of Polar Compounds Using Silica Gel Cleanup**

All 17 wells sampled were analyzed for DRPH and ORPH using the NWTPH-Dx analysis with and without using the silica gel cleanup procedure. This was done in order to determine what portion of the DRPH is

due to polar or semi-polar petroleum degradation products.

The DRPH results are shown in the table below.

**Estimated DRPH Attributable to Non-Hydrocarbons (Polar Compounds)**

Well Location	With Silica Gel Cleanup (µg/L)	Without Silica Gel Cleanup (µg/L)	Total Polar Compounds (µg/L)	Percent of sample due to Polar Compounds
MW-6	244	939	695	74%
MW-8	418	1,890	1,472	77.8%
MW09R	700	3,610	2,910	80.6%
MW10R	321	2,090	1,769	84.6%
MW11	223	1,080	857	79.3%
MW13R	796	3,980	3,184	80%
MW14R	131	2,650	2,519	95%
MW17	236	1,520	1,284	84.4%
MW20	98.5	1,400	1,302	92.9%
MW21	217	1,850	1,633	88.3%
MW24	<75.3	614	≥538.7	at least 87.7%
MW28	<80	675	≤595	at least 88.1%
MW29	123	1,040	917	88.2%
MW30	211	865	654	75.6%
MW32	<76.2	1,160	>1,083.8	at least 93.4%
BH01R	1,380	2,620	1,240	47.3%
BH-2	129	1,140	1,011	88.7%

As shown on the table, in all wells except BH01R, the majority of DRPH in groundwater at these locations is due to petroleum degradation byproducts. Analytical results using silica gel cleanup are shown in Table 3 of Appendix E. The laboratory reports are also included in Appendix E.

**4.6 Field Parameters**

This section summarizes the results of purge water monitoring during sampling.

**Dissolved Oxygen** – The dissolved oxygen content in the samples collected from the site ranged from 0.28 to 2.52 mg/L. Only three wells (MW09R and MW24) had dissolved oxygen content over 2.0 mg/L. These low values indicate that groundwater at the site has a low oxygen content<sup>12</sup>.

**Redox Potential** – Redox potential is a measure with which a molecule will accept electrons. It is

<sup>12</sup> User’s Manual: Natural Attenuation Analysis Tool Package for Petroleum Contaminated Groundwater, Toxics Cleanup Program Publication No. 05-09-091A. July Ecology, July 2005.

measured in millivolts (mV). The more positive the redox potential, the more readily a molecule can be reduced. The redox potential in the samples collected from the site ranged from -86.3 mV to 187 mV.

**pH** – pH is a measure of the acidity or alkalinity of a solution. The pH scale ranges from 0 to 14. A pH less than 7 is considered to be acidic. A pH greater than 7 is considered to be basic or alkaline. The pH in the samples collected at the site ranged from 6.20 to 6.85.

## **4.7 Data Quality Review**

Laboratory testing of groundwater is included in Appendix E as APEX Work Order A5H1318. The *Data Quality Review Report* is included in Appendix F.

The review of the analytical results included the following:

- Holding Times & Sample Receipt
- Surrogate Compounds
- Associated Laboratory Duplicate
- Laboratory Control Sample/ Laboratory Control Sample Duplicates (LCS/LCSD)
- Method Blank
- Field Duplicates
- Target Analyte List
- Reporting Limits (MDL and MRL)
- Reported Results

The following discrepancies were noted by the lab:

- All NWTPH-Dx and NWTPH-Gx laboratory control sample duplicate (LCSD) analyzed in place of matrix spike/duplicate samples due to limited sample volume.

The laboratory assigned two data qualifiers for the NWTPH-Dx results:

- (F-11) The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
- (F-13) The chromatographic pattern does not resemble the fuel standard used for quantitation.

No data were rejected, and completeness was 100 percent. All results are usable for their intended purpose.

## 5.0 DISCUSSION

Several tasks were performed prior to and after the shutdown of the groundwater recirculation system on July 14, 2025. The booms along the Columbia River were retrieved, cleaned and repositioned near their original configuration. The pneumatic pumps and associated tubing were removed from monitoring wells MW09R, MW10R, MW17, MW24, MW28, MW29, MW30, MW32, and BH01R. The pumps were cleaned and placed in plastic sheeting for potential reuse at the Site. Six wells (MW09R, MW17, MW28, MW29, BH01R, and BH-2) were redeveloped to remove sediment and turbid water prior to quarterly groundwater monitoring. Weekly gauging of the Site wells began on July 23, 2025 after the system was turned off. Daily monitoring of the Columbia River for the presence/absence of petroleum sheen was performed by Mr. Jim Clayson. The first quarterly post-shutdown groundwater monitoring was performed on August 13-15, 2025. A discussion of the results of the August 2025 groundwater monitoring event is provided below.

### 5.1 *Water Level and Product Measurements at Site Monitoring Wells*

Results of the weekly water level and product measurements indicated that there was no detection of product in any of the wells. The last time product was measured in any well was during the October 2021 groundwater sampling event after the pumps were turned off in preparation for a semi-annual groundwater sampling event. This was approximately one year after the reconfiguration of the remediation system to recirculate treated groundwater.

### 5.2 *Sheen Monitoring in Columbia River*

Results of the sheen monitoring indicated that there was no observation of a petroleum sheen on the water surface since the groundwater recirculation system was turned off. The last time a sheen was observed in the river was on May 22, 2020. This sheen coincided with an inoperable pump in BH01R due to bio-fouling.

### 5.3 *Discussion of Laboratory Results*

This sampling event represents the first quarterly groundwater sampling after the groundwater recirculation system was turned off in July 2025. This system was designed to capture and treat the petroleum contaminated groundwater recovered from the 9 extraction wells and enrich it with oxygen using hydrogen peroxide prior to discharging it back into the uplands area. A total of 144,637 gallons of treated water has been applied to the uplands area since the previous groundwater sampling event.

Results of the August 2025 groundwater monitoring event indicated that all 17 wells analyzed at the Site have DRPH above the CUL and 3 wells have GRPH above the CUL.

Results of the NWTPH-Dx analysis after using silica gel indicate that breakdown products of R99 diesel are now the predominant material left in the dissolved phase plume at most well locations. With the exception of the sample collected at BH01R, 74% to 93% of the sample results are in the form of polar compounds.

Sample BH01R had approximately 47% polar compounds. These polar organics will likely remain in the aquifer for a long period of time as the natural attenuation process continues.

## **5.4 Extent of Groundwater Contamination**

The August 2025 groundwater results for GRPH and DRPH are plotted on Figures 4 and 5 and iso-concentration contours were prepared to illustrate the magnitude and extent of each contaminant at the Site. Red and gray colored shading was used to graphically display the plume boundary. Further details of the shading are provided in the legend of both figures.

The DRPH plot was modified to utilize site knowledge of groundwater flow, known preferential pathways (e.g., remedial excavation cavities), and to fill in the blanks where no groundwater data has been obtained (mostly in the area in between the point of the release and Chehalis Street). These plots are conceptual based on limited data points.

The seep area (soil samples SL01 through SL04) is included in the figures since the seep water is in contact with impacted soil and shows the location of this area relative to areas of impacted groundwater.

### **5.4.1 Gasoline Range Petroleum Hydrocarbons**

The extent of GRPH contamination in groundwater is illustrated in Figure 4. There are currently two localized areas within the plume that have elevated GRPH concentrations above the CUL of 800 µg/L:

- The area around MW13R. A rebound of GRPH and associated VOCs have been observed in this well.
- The area between wells MW17 and MW09R. Both of these wells are hydraulically downgradient of MW14R. The elevated concentrations of GRPH in both of these wells may be attributed to the recent remedial excavation work performed around MW14.

### **5.4.2 Diesel Range Petroleum Hydrocarbons**

The extent of DRPH contamination in groundwater is illustrated on Figure 5. A plume of DRPH impacted groundwater with DRPH levels greater than the 500 µg/L CUL is present at the site from the former Control Valve Building and extends northeast slightly beyond monitoring well MW21.

As discussed above, HydroCon modified the plume configuration in this report to reflect known preferential pathways and presumed groundwater quality where no data have been obtained in between the point of the release and Chehalis Street. The extent of DRPH greater than 1,000 µg/L has been expanded based on the consistent concentration of DRPH in the sample results. Localized pockets of DRPH concentrations greater than 2,000 µg/L are seen at MW13R, MW14R, MW09R, BH01R and MW10R.

Areas with DRPH concentrations less than the 500 µg/L CUL include areas of the Property south of Tank

Farm A, much of the eastern and southern tip of the Property and adjacent Worthen Street, the northwest portion of Chehalis Street.

### **5.4.3 Diesel Range Petroleum Hydrocarbons after Silica Gel Cleanup**

In 2023, Ecology issued a guidance that accounts for polar compounds that are captured under the NWTPH-Dx method which may bias the analytical results.<sup>13</sup> Ecology conditionally allows the use of silica gel cleanup to assess the presence of polar metabolites in groundwater samples. This guidance includes revised CULs to factor in these non-petroleum hydrocarbon constituents. The new guidance has assigned a CUL of 500 ug/L for polar metabolites. Although the majority of the remaining dissolved phase contamination in groundwater is composed of polar metabolites, their concentrations are currently above the assigned CUL. Further assessment will be done after the completion of the four quarterly post-groundwater recirculation system shut down monitoring.

## **5.5 Future Site Monitoring**

Monthly gauging of the Site wells will continue until the next planned post-shutdown groundwater monitoring scheduled for mid-November 2025. Daily river level and sheen monitoring will continue for the duration of the 1-year post-shutdown monitoring. At the completion of the 1-year post-shutdown monitoring period, a report will be prepared to evaluate if there's any evidence of the reappearance of product in the wells or petroleum sheen in the Columbia River. The report will also evaluate trends in groundwater quality during the shutdown period and see if changes in the water level of the shallow aquifer being monitored have an effect on contaminant concentrations. This information will be used to assess what steps (if any) are appropriate at the conclusion of the 1-year monitoring period.

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<sup>13</sup> Ecology, *Guidance for Silica Gel Cleanup in Washington, Publication 22-09-059*, November 2023.

## 6.0 QUALIFICATIONS

HydroCon’s services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. HydroCon makes no warranties, either expressed or implied, regarding the findings, conclusions or recommendations. Please note that HydroCon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

Findings and conclusions resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such 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, nondetectable or not present during these services, and we cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this monitoring. Subsurface conditions may vary from those encountered at specific sampling locations or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations and findings are based solely upon data obtained at the time and within the scope of these services.

This report is intended for the sole use of Coleman Oil Company to meet the requirements of Exhibit B – Scope of Work and Schedule of the Agreed Order. This report may not be used or relied upon by any other party without the written consent of HydroCon. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

The conclusions presented in this report are, in part, based upon subsurface sampling performed at selected locations and depths. There may be conditions between borings or samples that differ significantly from those presented in this report and which cannot be predicted by this study.

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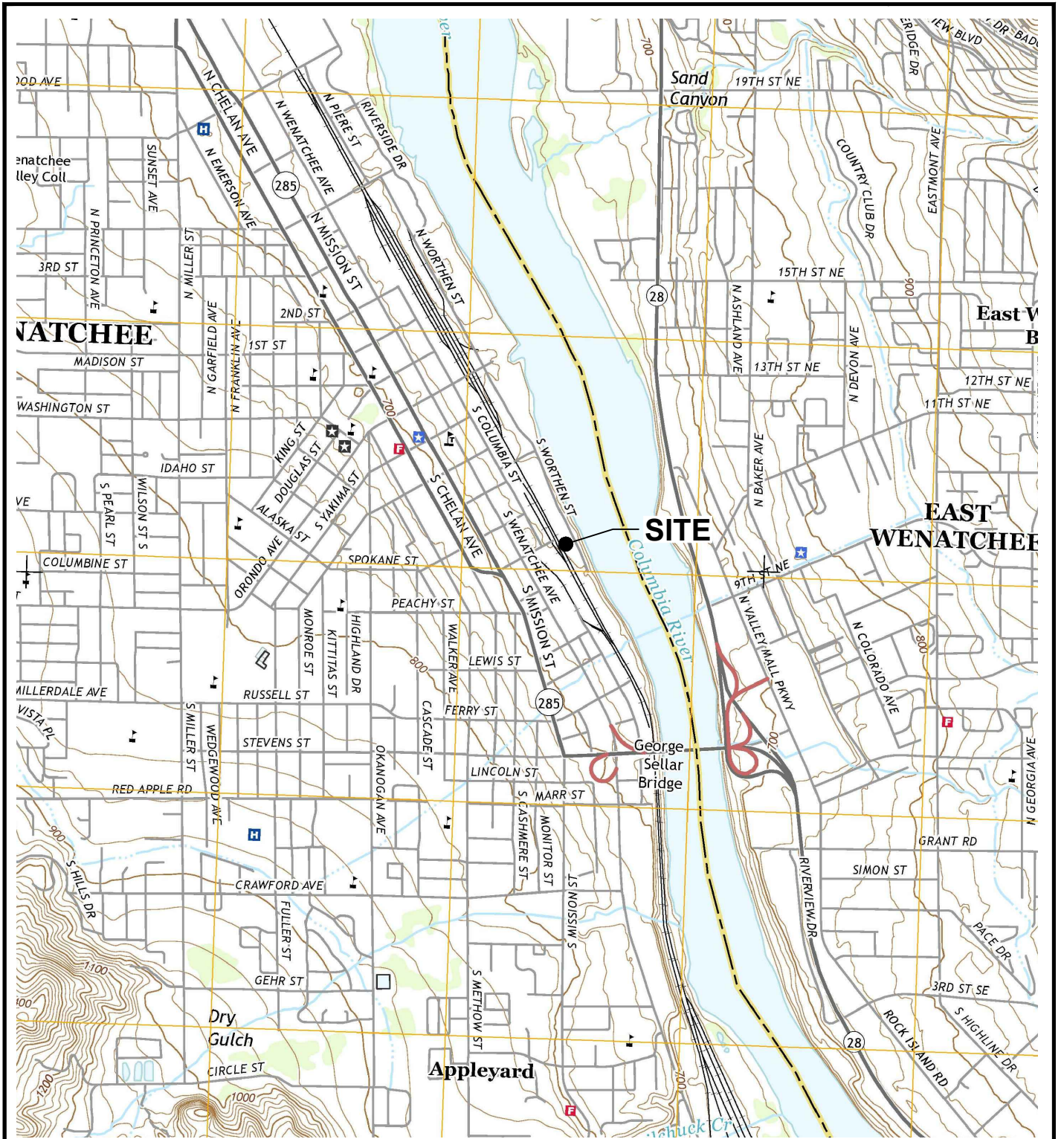
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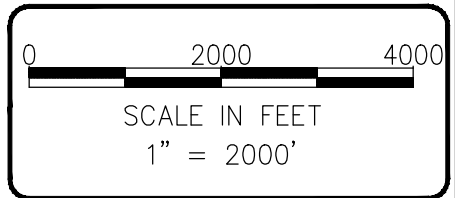
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## FIGURES

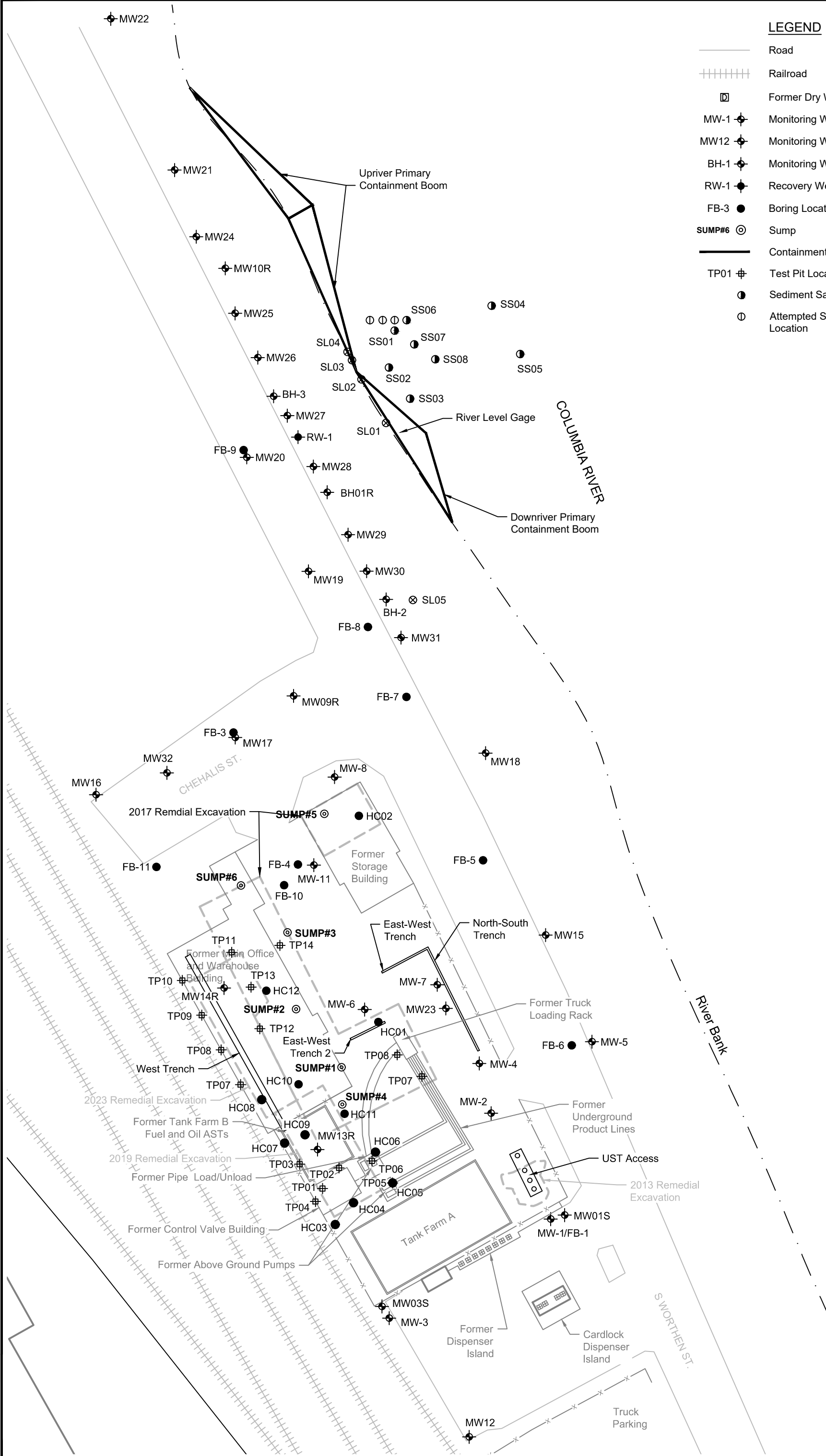


**NOTE(S):**  
 USGS, WENATCHEE QUADRANGLE  
 WASHINGTON  
 7.5 MINUTE SERIES (TOPOGRAPHIC)



DATE: 10-8-25  
 DWN: JJT  
 CHK: CH  
 APPROVED: CH  
 PRJ. MGR: CH  
 PROJECT NO:  
 10019-001.00

FIGURE 1  
 SITE LOCATION MAP  
 COLEMAN OIL COMPANY  
 3 CHEHALIS ST.  
 WENATCHEE, WA.

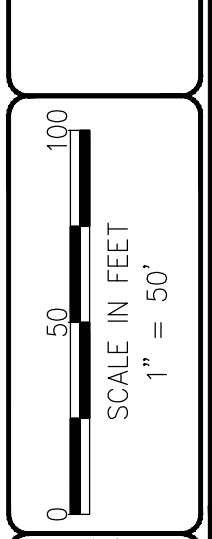


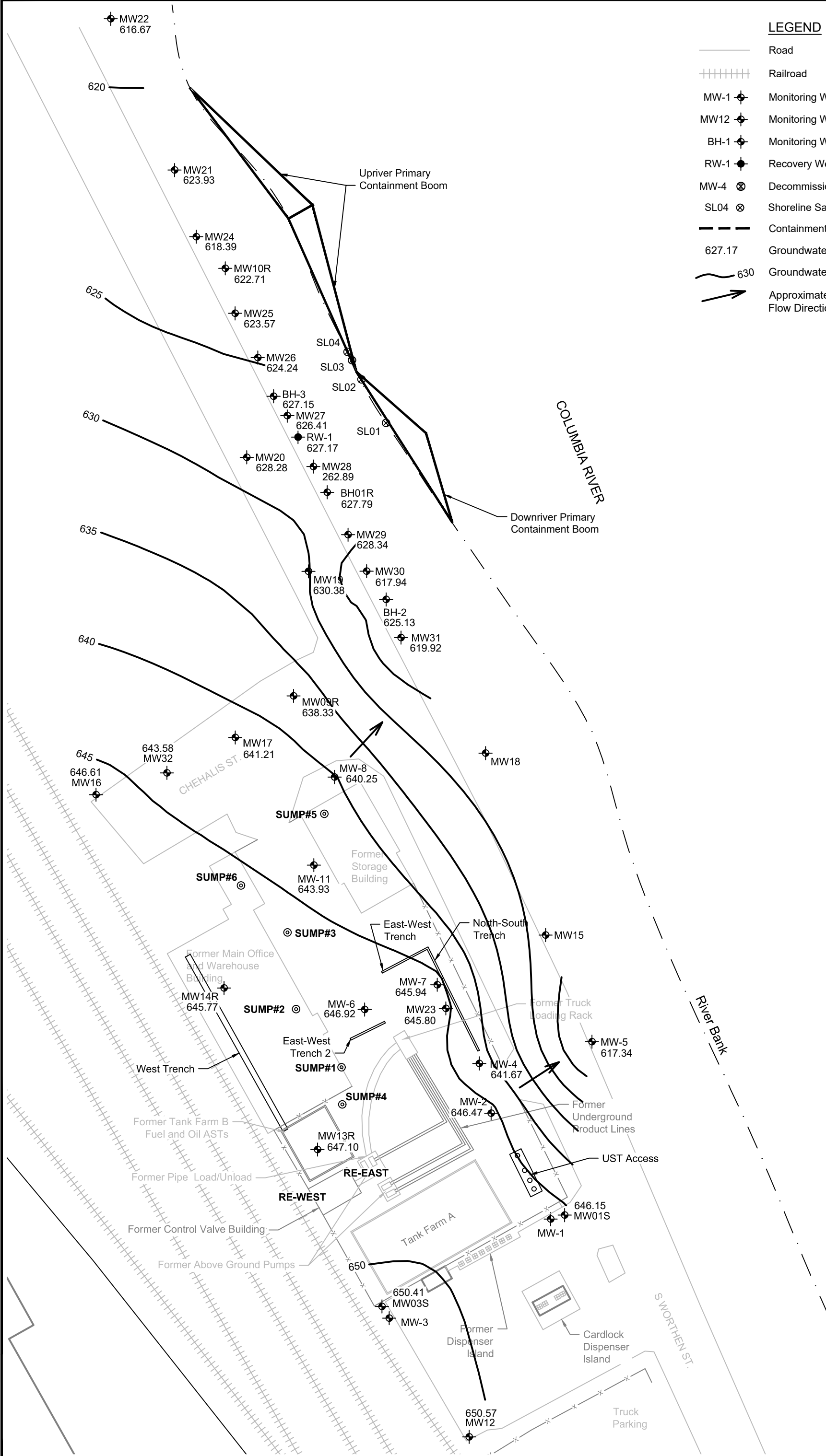
**LEGEND**

- Road
- +++++ Railroad
- Former Dry Well
- MW-1 Monitoring Well (FARALLON)
- MW12 Monitoring Well (HydroCon)
- BH-1 Monitoring Well (EPI, 2017)
- RW-1 Recovery Well (FARALLON)
- Boring Locations
- SUMP#6 Sump
- Containment Booms
- TP01 Test Pit Locations
- Sediment Sample Locations
- Attempted Sediment Sample Location

FIGURE 2  
 SITE FEATURES  
 COLEMAN OIL COMPANY  
 3 CHEHALIS ST.  
 WENATCHEE, WA.

DATE: 10-8-25  
 DWN: JJT  
 CHK: CH  
 APPROVED: CH  
 PRJ MGR: CH  
 PROJECT NO: 10019-001.00



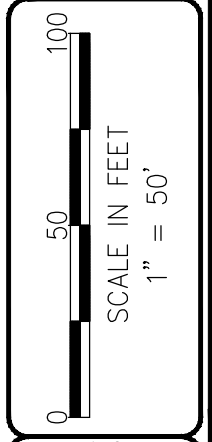
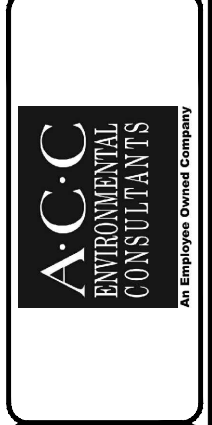


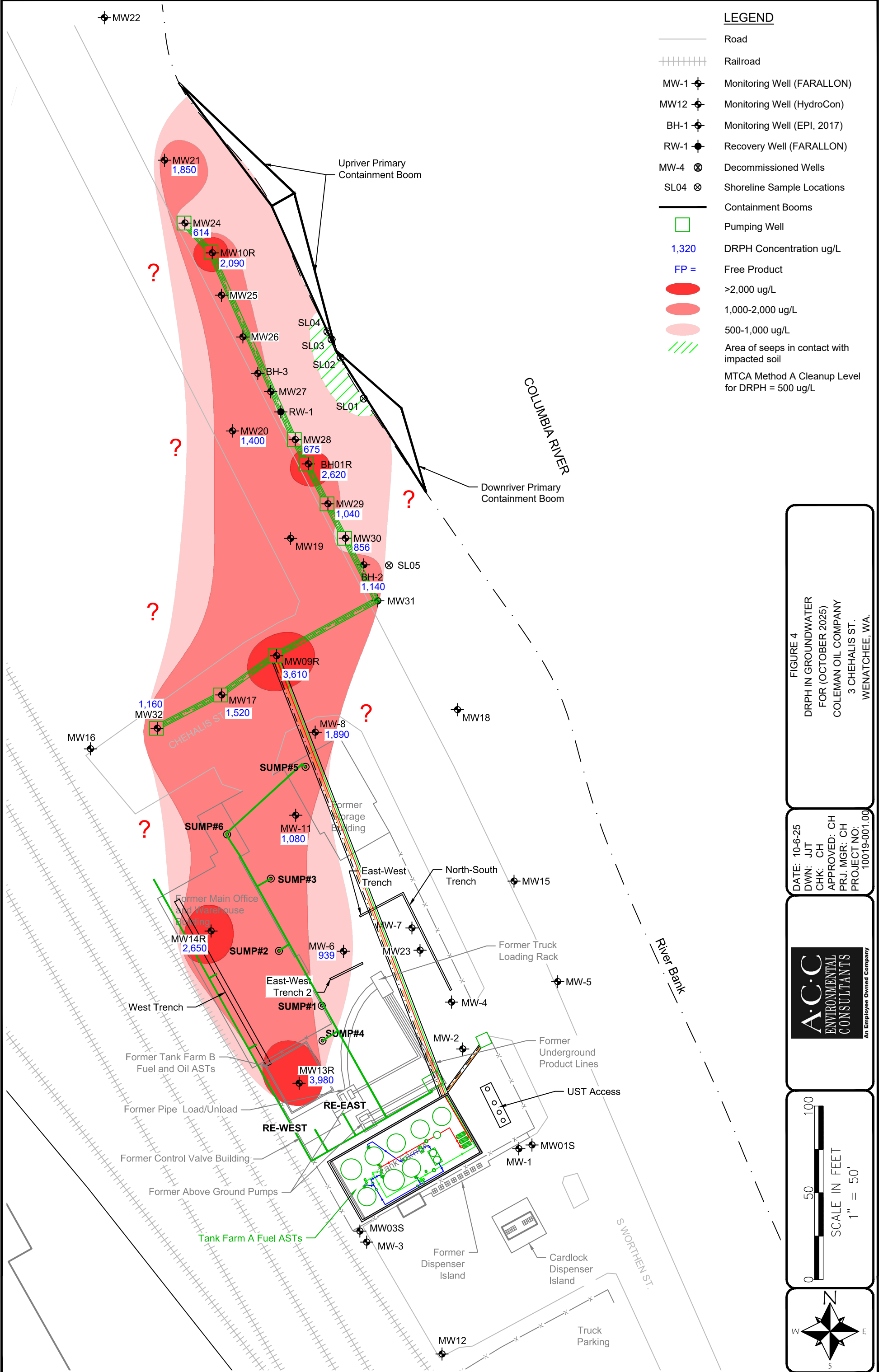
**LEGEND**

- Road
- +++++ Railroad
- MW-1 Monitoring Well (FARALLON)
- MW12 Monitoring Well (HydroCon)
- BH-1 Monitoring Well (EPI, 2017)
- RW-1 Recovery Well (FARALLON)
- MW-4 Decommissioned Wells
- SL04 Shoreline Sample Locations
- - - Containment Booms
- 627.17 Groundwater Surface Elevation
- 630 Groundwater Elevation Contour
- Approximate Groundwater Flow Direction

FIGURE 3  
 GROUNDWATER ELEVATION CONTOURS  
 FOR (AUGUST 13, 2025)  
 COLEMAN OIL COMPANY  
 3 CHEHALIS ST.  
 WENATCHEE, WA.

DATE: 10-6-25  
 DWN: JJT  
 CHK: CH  
 APPROVED: CH  
 PRJ MGR: CH  
 PROJECT NO: 10019-001.00



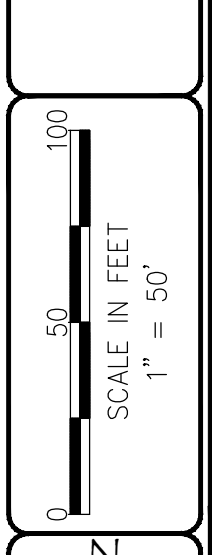


**LEGEND**

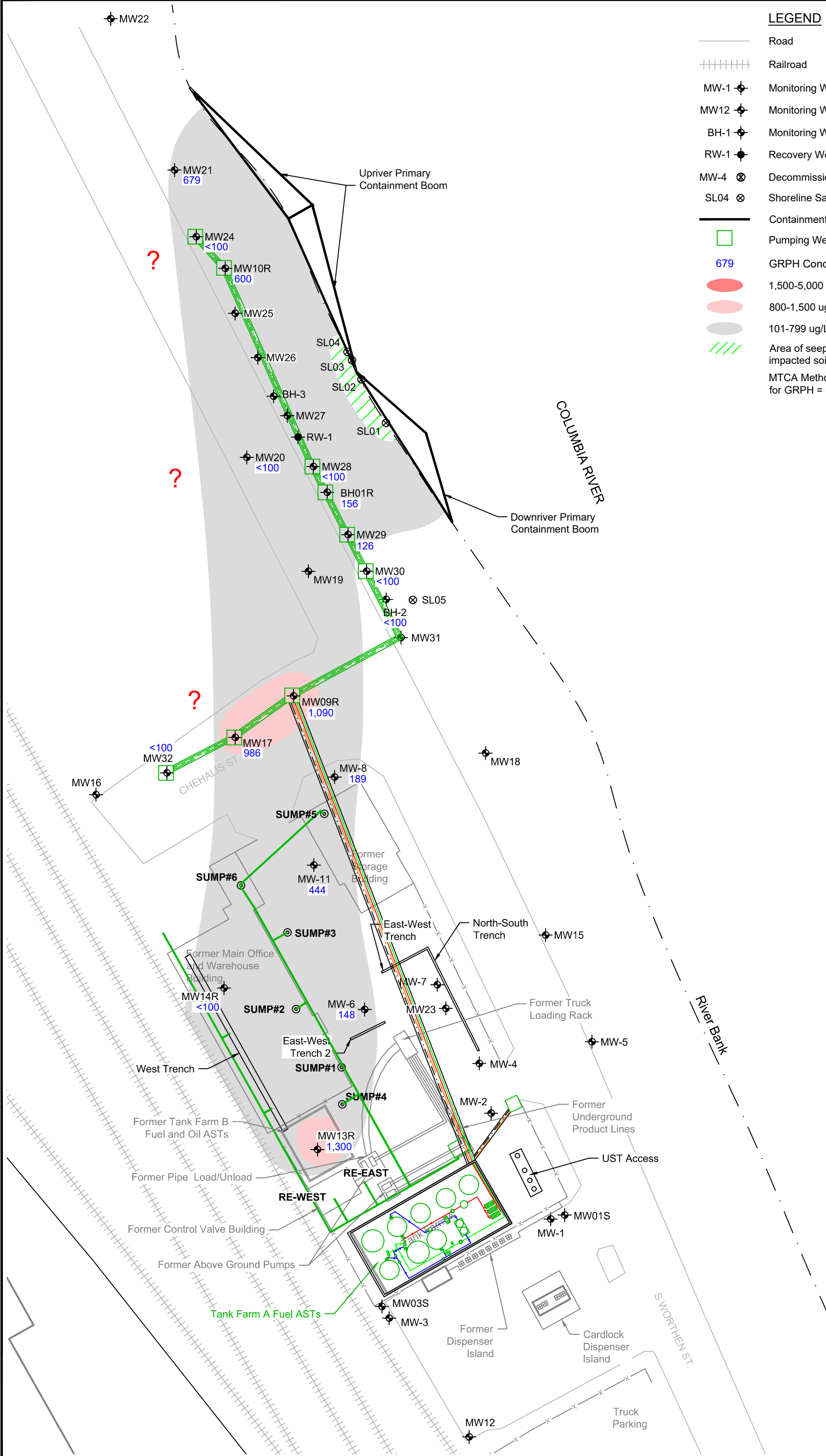
- Road
- +++++ Railroad
- MW-1 Monitoring Well (FARALLON)
- MW-12 Monitoring Well (HydroCon)
- BH-1 Monitoring Well (EPI, 2017)
- RW-1 Recovery Well (FARALLON)
- MW-4 Decommissioned Wells
- SL04 Shoreline Sample Locations
- Containment Booms
- Pumping Well
- 1,320 DRPH Concentration ug/L
- FP = Free Product
- >2,000 ug/L
- 1,000-2,000 ug/L
- 500-1,000 ug/L
- /// Area of seeps in contact with impacted soil
- MTCA Method A Cleanup Level for DRPH = 500 ug/L

FIGURE 4  
 DRPH IN GROUNDWATER  
 FOR (OCTOBER 2025)  
 COLEMAN OIL COMPANY  
 3 CHEHALIS ST.  
 WENATCHEE, WA.

DATE: 10-6-25  
 DWN: JJT  
 CHK: CH  
 APPROVED: CH  
 PRJ MGR: CH  
 PROJECT NO: 10019-001.00



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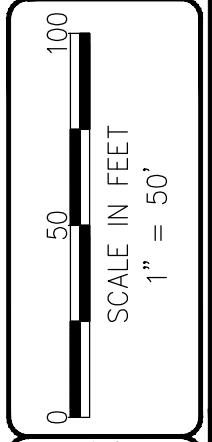
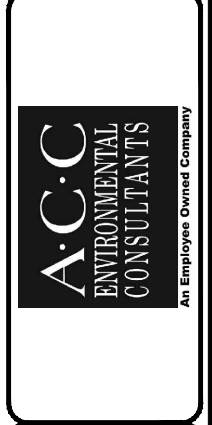


**LEGEND**

- Road
- +++++ Railroad
- MW-1 ◈ Monitoring Well (FARALLON)
- MW-12 ◈ Monitoring Well (HydroCon)
- BH-1 ◈ Monitoring Well (EPI, 2017)
- RW-1 ◈ Recovery Well (FARALLON)
- MW-4 ⊗ Decommissioned Wells
- SL04 ⊗ Shoreline Sample Locations
- Containment Booms
- Pumping Well
- 679 GRPH Concentration
- 1,500-5,000 ug/L
- 800-1,500 ug/L
- 101-799 ug/L
- /// Area of seeps in contact with impacted soil
- MTCA Method A Cleanup Level for GRPH = 800 ug/L

FIGURE 5  
 GRPH IN GROUNDWATER  
 FOR (OCTOBER 2025)  
 COLEMAN OIL COMPANY  
 3 CHEHALIS ST.  
 WENATCHEE, WA.

DATE: 10-6-25  
 DWN: JJT  
 CHK: CH  
 APPROVED: CH  
 PRJ MGR: CH  
 PROJECT NO: 10019-001.00



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## **TABLES**



**Table 1**  
Well Construction Details  
Coleman Oil  
Wenatchee, Washington

Well ID	Date Installed	Installed By	Drilling Method	Total Boring Depth (feet bgs)	Total Well Depth (feet bgs)	Well Diameter (inch)	Well Construction Material	Screen Slot Size (inch)	Length of Screen (feet)	Length of Bottom Cap (feet)	Screened Interval (feet bgs)	Well Casing Elevation (feet <sup>1</sup> )
MW-1	7/7/2010	Farallon	Air Rotary	35.50	35.00	2	PVC	0.01	15	-	20-35	658.01
MW01S	4/3/2018	HydroCon	Sonic	20.00	19.99	4	PVC	0.01	15	0.23	5.37 - 20.37	657.54
MW-2	7/8/2010	Farallon	Air Rotary	40.00	40.00	2	PVC	0.01	15	-	25-40	657.76
MW-3	9/7/2010	Farallon	Air Rotary	35.30	35.00	2	PVC	0.01	10	-	25-35	658.26
MW03S	4/3/2018	HydroCon	Sonic	20.00	19.30	4	PVC	0.01	15	0.23	4.43 - 19.43	658.17
MW-4	9/8/2010	Farallon	Air Rotary	40.10	37.00	2	PVC	0.01	10	-	27-37	657.48
MW-5	9/9/2010	Farallon	Air Rotary	45.40	45.00	2	PVC	0.01	15	-	30-45	656.00
MW-6	4/12/2017	Farallon	Air Rotary	18.40	18.00	4	PVC	0.02	10	-	8-18	657.70
MW-7	4/11/2017	Farallon	Air Rotary	20.10	20.00	4	PVC	0.02	10	-	10-20	657.52
MW-8	4/11/2017	Farallon	Air Rotary	25.20	25.00	4	PVC	0.02	10	-	15-25	656.20
MW-9	4/12/2017	Farallon	Air Rotary	24.50	24.00	4	PVC	0.02	10	-	14-24	655.29
MW09R	8/15/2018	HydroCon	Sonic	35.00	32.60	4	PVC	0.01	25	0.45	8.59-33.59	653.55
MW-10	4/14/2017	Farallon	Air Rotary	30.20	30.00	2	PVC	0.02	16	-	14-30	645.80
MW10R	8/16/2018	HydroCon	Sonic	35.00	33.59	4	PVC	0.01	20	0.45	14.64-34.64	644.30
MW-11	4/14/2017	Farallon	Air Rotary	22.30	22.00	4	PVC	0.02	10	-	12-22	658.00
MW12	4/2/2018	HydroCon	Sonic	20.00	19.52	4	PVC	0.01	15	0.23	4.63 - 19.63	658.27
MW13	3/29/2018	HydroCon	Sonic	35.00	19.86	4	PVC	0.01	15	0.23	4.63-19.63	657.04
MW13R	7/2/2019	HydroCon	Sonic	19.00	18.46	4	PVC	0.01	14	0.23	4.23 - 18.23	656.67
MW14	3/30/2018	HydroCon	Sonic	35.00	20.46	4	PVC	0.01	15	0.23	5.23-20.23	657.15
MW14R	12/20/2023	HydroCon	Sonic	17.10	17.05	4	PVC	0.01	12	0.20	4.85-16.85	657.46
MW15	4/12/2018	HydroCon	Sonic	35.10	35.10	4	PVC	0.01	25	0.23	10.33 - 35.33	654.99
MW16	4/5/2018	HydroCon	Sonic	30.00	29.15	4	PVC	0.01	20	0.23	9.28 - 29.28	656.93
MW17	4/4/2018	HydroCon	Sonic	35.00	29.41	4	PVC	0.01	20	0.23	9.52 - 29.52	655.55
MW18	4/11/2018	HydroCon	Sonic	35.00	34.65	4	PVC	0.01	20	0.23	15.86 - 35.86	654.51
MW19	4/5/2018	HydroCon	Sonic	35.00	31.48	4	PVC	0.01	20	0.23	11.66 - 31.66	653.31
MW20	4/10/2018	HydroCon	Sonic	30.00	29.50	4	PVC	0.01	20	0.23	9.79 - 29.79	650.85
MW21	4/9/2018	HydroCon	Sonic	35.00	32.10	4	PVC	0.01	20	0.23	12.30 - 32.30	643.88
MW22	4/13/2018	HydroCon	Sonic	40.00	39.10	4	PVC	0.01	25	0.23	9.19 - 34.19	641.85
MW23	3/29/2018	HydroCon	Sonic	25.00	22.04	4	PVC	0.01	15	0.23	7.13 - 22.13	656.91
MW24	8/6/2018	HydroCon	Sonic	35.00	34.25	4	PVC	0.01	20	0.45	14.17-34.17	644.38
MW25	8/7/2018	HydroCon	Sonic	35.00	32.96	4	PVC	0.01	20	0.45	12.81-32.81	645.57
MW26	8/8/2018	HydroCon	Sonic	35.00	32.52	4	PVC	0.01	20	0.45	13.54-33.54	646.65
MW27	8/9/2018	HydroCon	Sonic	40.00	38.74	4	PVC	0.01	25	0.45	13.56-38.56	649.00
MW28	8/10/2018	HydroCon	Sonic	40.00	38.74	4	PVC	0.01	25	0.45	13.62-38.62	650.64
MW29	8/13/2018	HydroCon	Sonic	40.00	39.11	4	PVC	0.01	25	0.45	14.05-39.05	652.34
MW30	8/14/2018	HydroCon	Sonic	40.00	39.79	4	PVC	0.01	25	0.45	14.67-39.67	652.83
MW31	8/15/2018	HydroCon	Sonic	40.00	39.28	4	PVC	0.01	25	0.45	14.11-39.11	653.97
MW32	8/17/2018	HydroCon	Sonic	35.00	34.02	4	PVC	0.01	25	0.45	8.95-33.95	655.83
BH-1	3/25/2017	EPI	Air Rotary	30.00	30.00	2	PVC	0.01	10	-	20-30	652.06
BH01R	1/27/2019	HydroCon	Sonic	40.00	39.97	4	PVC	0.01	25	0.45	14.52-39.52	651.03
BH-2	3/25/2017	EPI	Air Rotary	35.00	35.00	2	PVC	0.01	15	-	20-35	653.77
BH-3	3/26/2017	EPI	Air Rotary	30.00	30.00	2	PVC	0.01	15	-	15-30	648.76
RW-1	4/10/2017	Farallon	Air Rotary	30.00	30.00	3	PVC	0.02	15	-	15-30	650.42

**NOTES:**  
feet<sup>1</sup> = Elevation is relative to NGVD88  
bgs = below ground surface  
PVC = polyvinyl chloride

**NOTES:**  
Shading indicates the well has been removed and replaced by deeper well

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-1	4/17/2017	20-35	658.01	9.47	---	---	648.54
	4/20/2017			9.63	---	---	648.38
	4/27/2017			10.14	---	---	647.87
	5/1/2017			10.31	---	---	647.70
	6/8/2017			11.20	---	---	646.81
	7/3/2017			NM	---	---	---
	9/28/2017			12.36	---	---	645.65
	8/27/2018			12.17	---	---	645.84
	8/31/2018			12.20	---	---	645.81
	11/26/2018			11.36	---	---	646.65
	11/30/2018			11.38	---	---	646.63
	3/29/2019			9.68	---	---	648.33
	8/29/2019			11.69	---	---	646.32
	12/19/2019			11.84	---	---	646.17
	3/22/2020			11.12	---	---	646.89
	8/30/2020			11.93	---	---	646.08
	11/19/2020			10.60	---	---	647.41
	4/7/2021			10.75	---	---	647.26
	10/6/2021			12.65	---	---	645.36
	3/2/2022			9.11	---	---	648.90
	9/14/2022			12.26	---	---	645.75
	3/10/2023			10.33	---	---	647.68
	9/13/2023			11.85	---	---	646.16
3/26/2024	10.45	---	---	647.56			
10/1/2024	12.03	---	---	645.98			
7/23/2025	11.34	---	---	646.67			
7/31/2025	11.33	---	---	646.68			
8/6/2025	11.32	---	---	646.69			
8/13/2025	11.32	---	---	646.69			
MW01S	4/25/2018	5.37 - 20.37	657.54	10.49	---	---	647.05
	4/27/2018			10.62	---	---	646.92
	8/27/2018			12.30	---	---	645.24
	8/31/2018			12.33	---	---	645.21
	11/26/2018			11.54	---	---	646.00
	11/30/2018			11.51	---	---	646.03
	3/29/2019			9.88	---	---	647.66
	8/29/2019			11.81	---	---	645.73
	12/19/2019			11.97	---	---	645.57
	3/22/2020			11.25	---	---	646.29
	8/30/2020			12.07	---	---	645.47
	11/19/2020			10.52	---	---	647.02
	4/7/2021			11.00	---	---	646.54
	10/6/2021			12.80	---	---	644.74
	3/2/2022			9.07	---	---	648.47
	9/14/2022			12.31	---	---	645.23
	3/10/2023			10.30	---	---	647.24
	9/13/2023			11.95	---	---	645.59
	3/26/2024			10.50	---	---	647.04
	10/1/2024			12.13	---	---	645.41
7/23/2025	11.34	---	---	646.20			
7/31/2025	11.45	---	---	646.09			
8/6/2025	11.40	---	---	646.14			
8/13/2025	11.39	---	---	646.15			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-2	4/17/2017	25-40	657.76	9.58	---	---	648.18
	4/20/2017			9.61	---	---	648.15
	4/27/2017			10.19	---	---	647.57
	5/1/2017			10.36	---	---	647.40
	6/8/2017			11.33	---	---	646.43
	7/3/2017			11.96	---	---	645.80
	9/28/2017			12.65	---	---	645.11
	4/25/2018			10.50	---	---	647.26
	4/27/2018			10.54	---	---	647.22
	8/27/2018			12.20	---	---	645.56
	8/31/2018			12.22	---	---	645.54
	11/26/2018			11.43	---	---	646.33
	11/30/2018			11.46	---	---	646.30
	3/29/2019			9.61	---	---	648.15
	8/29/2019			11.65	---	---	646.11
	12/19/2019			11.96	---	---	645.80
	3/22/2020			11.15	---	---	646.61
	8/30/2020			11.76	---	---	646.00
	11/19/2020			10.39	---	---	647.37
	4/7/2021			10.85	---	---	646.91
	10/6/2021			12.78	---	---	644.98
	3/2/2022			8.86	---	---	648.90
	9/14/2022			12.19	---	---	645.57
	3/10/2023			10.14	---	---	647.62
	9/13/2023			11.73	---	---	646.03
3/26/2024	10.45	---	---	647.31			
10/1/2024	11.99	---	---	645.77			
7/23/2025	11.06	---	---	646.70			
7/31/2025	11.12	---	---	646.64			
8/6/2025	11.31	---	---	646.45			
8/13/2025	11.29	---	---	646.47			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-3	4/17/2017	25-35	658.26	7.12	---	---	651.14
	4/20/2017			7.15	---	---	651.11
	4/27/2017			11.44	---	---	646.82
	5/1/2017			7.90	---	---	650.36
	6/8/2017			7.33	---	---	650.93
	7/3/2017			7.46	---	---	650.80
	9/28/2017			7.74	---	---	650.52
	8/27/2018			7.75	---	---	650.51
	8/31/2018			7.80	---	---	650.46
	11/26/2018			7.78	---	---	650.48
	11/30/2018			7.89	---	---	650.37
	3/29/2019			6.42	---	---	651.84
	8/29/2019			7.53	---	---	650.73
	12/19/2019			7.95	---	---	650.31
	3/22/2020			7.70	---	---	650.56
	8/30/2020			7.83	---	---	650.43
	11/19/2020			7.28	---	---	650.98
	4/7/2021			7.68	---	---	650.58
	10/6/2021			7.84	---	---	650.42
	3/2/2022			6.59	---	---	651.67
	9/14/2022			7.73	---	---	650.53
	3/10/2023			7.34	---	---	650.92
	9/13/2023			7.61	---	---	650.65
3/26/2024	7.52	---	---	650.74			
10/1/2024	7.89	---	---	650.37			
7/23/2025	7.58	---	---	650.68			
7/31/2025	7.59	---	---	650.67			
8/6/2025	7.58	---	---	650.68			
8/13/2025	7.50	---	---	650.76			
MW03S	4/25/2018	4.43 - 19.43	658.17	7.25	---	---	650.92
	4/27/2018			7.24	---	---	650.93
	8/27/2018			8.04	---	---	650.13
	8/31/2018			8.05	---	---	650.12
	11/26/2018			7.48	---	---	650.33
	11/30/2018			7.93	---	---	650.33
	3/29/2019			7.22	---	---	650.24
	8/29/2019			7.72	---	---	650.45
	12/19/2019			7.97	---	---	650.20
	3/22/2020			7.75	---	---	650.42
	8/30/2020			8.15	---	---	650.02
	11/19/2020			7.37	---	---	650.80
	4/7/2021			7.00	---	---	651.17
	10/6/2021			8.23	---	---	649.94
	3/2/2022			6.91	---	---	651.26
	9/14/2022			8.01	---	---	650.16
	3/10/2023			7.21	---	---	650.96
	9/13/2023			7.98	---	---	650.19
	3/26/2024			7.43	---	---	650.74
	10/1/2024			7.63	---	---	650.54
7/23/2025	7.80	---	---	650.37			
7/31/2025	7.82	---	---	650.35			
8/6/2025	7.71	---	---	650.46			
8/13/2025	7.75	---	---	650.42			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-4	4/17/2017	27-37	657.48	15.29	---	---	642.19
	4/20/2017			15.40	---	---	642.08
	4/27/2017			15.74	---	---	641.74
	5/1/2017			15.71	---	---	641.77
	6/8/2017			16.23	---	---	641.25
	7/3/2017			16.93	---	---	640.55
	9/28/2017			18.18	---	---	639.30
	4/25/2018			16.22	---	---	641.26
	4/27/2018			17.59	---	---	639.89
	8/27/2018			17.25	---	---	640.23
	8/31/2018			17.28	---	---	640.20
	11/26/2018			16.54	---	---	640.94
	11/30/2018			16.55	---	---	640.93
	3/29/2019			14.66	---	---	642.82
	8/29/2019			16.14	---	---	641.34
	12/19/2019			15.80	---	---	641.68
	3/22/2020			15.88	---	---	641.60
	8/30/2020			16.03	---	---	641.45
	11/19/2020			15.85	---	---	641.63
	4/7/2021			14.85	---	---	642.63
	10/6/2021			17.59	---	---	639.89
	3/2/2022			14.79	---	---	642.69
	9/14/2022			16.73	---	---	640.75
	3/10/2023			14.77	---	---	642.71
	9/13/2023			16.76	---	---	640.72
3/26/2024	15.14	---	---	642.34			
10/1/2024	16.79	---	---	640.69			
7/23/2025	15.66	---	---	641.82			
7/31/2025	15.79	---	---	641.69			
8/6/2025	15.80	---	---	641.68			
8/13/2025	15.81	---	---	641.67			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-5	4/17/2017	30-45	656.00	33.98	---	---	622.02
	4/20/2017			35.67	---	---	620.33
	4/27/2017			34.98	---	---	621.02
	5/1/2017			35.92	---	---	620.08
	6/8/2017			32.06	---	---	623.94
	7/3/2017			36.75	---	---	619.25
	9/28/2017			38.67	---	---	617.33
	4/25/2018			NM	---	---	---
	4/27/2018			35.58	---	---	620.42
	8/27/2018			38.21	---	---	617.79
	8/31/2018			38.30	---	---	617.70
	11/26/2018			38.34	---	---	617.66
	11/30/2018			38.44	---	---	617.56
	3/29/2019			37.58	---	---	618.42
	8/29/2019			38.00	---	---	618.00
	12/19/2019			38.55	---	---	617.45
	3/22/2020			38.49	---	---	617.51
	8/30/2020			38.63	---	---	617.37
	11/19/2020			38.29	---	---	617.71
	4/7/2021			38.22	---	---	617.78
	10/6/2021			39.29	---	---	616.71
	3/2/2022			36.87	---	---	619.13
	9/14/2022			39.00	---	---	617.00
	3/10/2023			37.71	---	---	618.29
	9/13/2023			39.99	---	---	616.01
	3/26/2024			38.27	---	---	617.73
10/1/2024	39.65	---	---	616.35			
7/23/2025	38.95	---	---	617.05			
7/31/2025	38.94	---	---	617.06			
8/6/2025	39.18	---	---	616.82			
8/13/2025	38.66	---	---	617.34			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-6	4/17/2017	8-18	657.70	9.57	---	---	648.13
	4/20/2017			9.40	---	---	648.30
	4/27/2017			9.89	---	---	647.81
	5/1/2017			9.95	---	---	647.75
	6/8/2017			10.60	10.55	0.05	647.14
	7/3/2017			11.10	---	---	646.60
	9/28/2017			11.51	---	---	646.19
	4/25/2018			10.20	---	---	647.50
	4/27/2018			10.21	---	---	647.49
	8/27/2018			11.28	---	---	646.42
	8/31/2018			11.29	---	---	646.41
	11/26/2018			10.82	---	trace	646.88
	11/30/2018			10.84	---	---	646.86
	3/29/2019			9.50	---	trace	648.20
	8/29/2019			10.89	---	---	646.81
	12/19/2019			11.08	---	---	646.62
	3/22/2020			10.66	---	---	647.04
	8/30/2020			10.97	---	---	646.73
	11/19/2020			10.12	---	---	647.58
	4/7/2021			10.76	---	---	646.94
	10/6/2021			11.67	---	---	646.03
	3/2/2022			9.11	---	---	648.59
	9/14/2022			11.32	---	---	646.38
	3/10/2023			10.14	---	---	647.56
	9/13/2023			10.98	---	---	646.72
	3/26/2024			10.35	---	---	647.35
	10/1/2024			11.21	---	---	646.49
	7/23/2025			10.65	---	---	647.05
7/31/2025	10.71	---	---	646.99			
8/6/2025	10.83	---	---	646.87			
8/13/2025	10.78	---	---	646.92			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-7	4/17/2017	10-20	657.52	9.64	---	---	647.88
	4/20/2017			9.71	---	---	647.81
	4/27/2017			10.26	---	---	647.26
	5/1/2017			10.35	---	---	647.17
	6/8/2017			11.44	---	---	646.08
	7/3/2017			11.91	---	---	645.61
	9/28/2017			12.46	---	---	645.06
	4/25/2018			10.61	---	---	646.91
	4/27/2018			10.63	---	---	646.89
	8/27/2018			11.96	---	---	645.56
	8/31/2018			12.18	---	---	645.34
	11/26/2018			11.50	---	---	646.02
	11/30/2018			11.53	---	---	645.99
	3/29/2019			9.72	---	---	647.80
	8/29/2019			11.67	---	---	645.85
	12/19/2019			11.95	---	---	645.57
	3/22/2020			11.25	---	---	646.27
	8/30/2020			11.79	---	---	645.73
	11/19/2020			10.61	---	---	646.91
	4/7/2021			11.00	---	---	646.52
	10/6/2021			12.71	---	---	644.81
	3/2/2022			9.04	---	---	648.48
	9/14/2022			12.13	---	---	645.39
	3/10/2023			10.27	---	---	647.25
	9/13/2023			11.79	---	---	645.73
	3/26/2024			10.64	---	---	646.88
10/1/2024	12.00	---	---	645.52			
7/23/2025	11.33	---	---	646.19			
7/31/2025	11.35	---	---	646.17			
8/6/2025	11.41	---	---	646.11			
8/13/2025	11.58	---	---	645.94			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-8	4/13/2017	15-25	656.20	16.71	14.50	2.21	641.21
	4/17/2017			13.47	---	---	642.73
	4/20/2017			13.96	13.95	0.01	642.25
	4/27/2017			17.25	14.91	2.34	640.78
	5/1/2017			17.47	14.94	2.53	640.70
	6/8/2017			18.02	---	---	638.18
	7/3/2017			17.97	17.91	0.07	638.28
	9/28/2017			18.10	---	---	638.10
	4/25/2018			15.14	---	---	641.06
	4/27/2018			15.12	---	---	641.08
	8/27/2018			16.71	---	---	639.49
	8/31/2018			16.77	---	---	639.43
	11/26/2018			16.04	---	---	640.16
	11/30/2018			16.07	---	---	640.13
	3/29/2019			13.37	---	---	642.83
	8/29/2019			15.96	---	---	640.24
	12/19/2019			16.55	---	---	639.65
	3/22/2020			15.75	---	---	640.45
	8/30/2020			15.60	---	---	640.60
	11/19/2020			14.30	---	---	641.90
	4/7/2021			14.21	---	---	641.99
	10/6/2021			16.77	---	---	639.43
	3/2/2022			12.40	---	---	643.80
	9/14/2022			16.70	---	---	639.50
	3/10/2023			13.70	---	---	642.50
	9/13/2023			16.17	---	---	640.03
	3/26/2024			14.86	---	---	641.34
	10/1/2024			16.20	---	---	640.00
7/23/2025	15.21	---	---	640.99			
7/31/2025	15.33	---	---	640.87			
8/6/2025	15.18	---	---	641.02			
8/13/2025	15.95	---	---	640.25			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-9	4/17/2017	14-24	655.29	13.56	---	---	641.73
	4/20/2017			14.31	---	---	640.98
	4/27/2017			17.45	16.75	0.70	638.39
	5/1/2017			18.60	17.33	1.27	637.68
	6/8/2017			22.14	---	---	633.15
	7/3/2017			22.16	---	---	633.13
	9/28/2017			22.69	---	---	632.60
	4/25/2018			17.22	---	---	638.07
	4/27/2018			17.22	---	---	638.07
MW09R	8/27/2018	8.59-33.59	653.55	19.90	---	---	635.39
	8/31/2018			19.91	---	---	635.38
	11/26/2018			28.28	---	---	625.27
	11/30/2018			19.94	---	---	633.61
	3/29/2019			12.82	---	---	640.73
	8/29/2019			19.81	---	---	633.74
	12/19/2019			28.20	---	---	625.35
	3/22/2020			17.93	---	---	635.62
	8/30/2020			16.93	---	---	636.62
	11/19/2020			15.00	---	---	638.55
	4/7/2021			13.81	---	---	639.74
	10/6/2021			19.98	19.97	0.01	633.57
	3/2/2022			12.00	---	---	641.55
	9/14/2022			18.65	---	---	634.90
	3/10/2023			13.00	---	---	640.55
	9/13/2023			16.45	---	---	637.10
	3/26/2024			14.04	---	---	639.51
	10/1/2024			16.23	---	---	637.32
	7/23/2025			14.05	---	---	639.50
	7/31/2025			14.10	---	---	639.45
8/6/2025	14.96	---	---	638.59			
8/13/2025	15.22	---	---	638.33			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-10	4/17/2017	14-30	645.80	16.72	---	---	629.08
	4/20/2017			17.31	---	---	628.49
	4/27/2017			18.11	---	---	627.69
	5/1/2017			18.99	---	---	626.81
	6/8/2017			19.88	---	---	625.92
	7/3/2017			25.06	23.62	1.44	621.86
	9/28/2017			25.70	---	---	620.10
	4/25/2018			21.18	---	---	624.62
	4/27/2018			20.96	---	---	624.84
MW10R	8/27/2018	14.66-34.64	644.30	24.64	---	---	619.66
	8/31/2018			25.71	---	---	618.59
	11/26/2018			27.51	---	---	616.79
	11/30/2018			26.19	25.95	0.24	618.30
	3/29/2019			18.54	---	---	625.76
	8/29/2019			NM	---	---	---
	12/19/2019			27.72	---	---	616.58
	3/22/2020			26.05	---	---	618.25
	8/30/2020			23.86	---	---	620.44
	11/19/2020			20.86	---	---	623.44
	4/7/2021			20.21	---	---	624.09
	10/6/2021			27.30	27.29	0.01	617.00
	3/2/2022			17.94	---	---	626.36
	9/14/2022			24.37	---	---	619.93
	3/10/2023			18.77	---	---	625.53
	9/13/2023			23.11	---	---	621.19
	3/26/2024			20.59	---	---	623.71
	10/1/2024			23.26	---	---	621.04
	7/23/2025			21.55	---	---	622.75
	7/31/2025			21.58	---	---	622.72
8/6/2025	21.41	---	---	622.89			
8/13/2025	21.59	---	---	622.71			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-11	4/17/2017	12-22	658.00	13.45	---	---	644.55
	4/20/2017			13.45	---	---	644.55
	4/27/2017			13.76	---	---	644.24
	5/1/2017			13.77	---	---	644.23
	6/8/2017			14.32	14.05	0.27	643.89
	7/3/2017			14.30	---	---	643.70
	9/28/2017			14.65	---	---	643.35
	4/25/2018			13.82	---	---	644.18
	4/27/2018			13.82	---	---	644.18
	8/27/2018			14.20	---	---	643.80
	8/31/2018			14.21	---	---	643.79
	11/26/2018			14.11	---	---	643.89
	11/30/2018			14.11	---	---	643.89
	3/29/2019			13.41	---	---	644.59
	8/29/2019			14.09	---	---	643.91
	12/19/2019			14.29	---	---	643.71
	3/22/2020			14.03	---	---	643.97
	8/30/2020			14.02	---	---	643.98
	11/19/2020			13.89	---	---	644.11
	4/7/2021			13.85	---	---	644.15
	10/6/2021			14.35	14.32	0.03	643.65
	3/2/2022			13.14	---	---	644.86
	9/14/2022			14.34	---	---	643.66
	3/10/2023			13.85	---	---	644.15
	9/13/2023			14.22	---	---	643.78
	3/26/2024			13.92	---	---	644.08
10/1/2024	14.19	---	---	643.81			
7/23/2025	13.88	---	---	644.12			
7/31/2025	13.89	---	---	644.11			
8/6/2025	14.06	---	---	643.94			
8/13/2025	14.02	---	---	643.98			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW12	4/25/2018	4.63 - 19.63	658.27	7.37	---	---	650.90
	4/27/2018			7.31	---	---	650.96
	8/27/2018			8.01	---	---	650.26
	8/31/2018			8.04	---	---	650.23
	11/26/2018			7.88	---	---	650.39
	11/30/2018			7.93	---	---	650.34
	3/29/2019			7.13	---	---	651.14
	8/29/2019			7.70	---	---	650.57
	12/19/2019			8.00	---	---	650.27
	3/22/2020			7.72	---	---	650.55
	8/30/2020			8.13	---	---	650.14
	11/19/2020			7.11	---	---	651.16
	4/7/2021			7.60	---	---	650.67
	10/6/2021			8.21	---	---	650.06
	3/2/2022			6.83	---	---	651.44
	9/14/2022			8.00	---	---	650.27
	3/10/2023			7.18	---	---	651.09
	9/13/2023			7.94	---	---	650.33
	3/26/2024			7.30	---	---	650.97
	10/1/2024			7.95	---	---	650.32
7/23/2025	7.75	---	---	650.52			
7/31/2025	7.75	---	---	650.52			
8/6/2025	7.75	---	---	650.52			
8/13/2025	7.70	---	---	650.57			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW13	4/25/2018	4.91 - 19.91	657.04	7.39	---	---	649.65
	4/27/2018			7.36	---	---	649.68
	8/27/2018			8.05	---	---	648.99
	8/31/2018			8.15	---	---	648.89
	11/26/2018			8.22	---	---	648.82
	11/30/2018			8.17	---	---	648.87
	3/29/2019			7.21	---	---	649.83
	8/29/2019			7.61	---	---	649.43
MW13R	12/19/2019	4.23 - 18.23	656.67	8.02	---	---	648.65
	3/22/2020			7.22	---	---	649.45
	8/30/2020			7.48	---	---	649.19
	11/19/2020			7.13	---	---	649.54
	4/7/2021			7.26	---	---	649.41
	10/6/2021			7.69	---	---	648.98
	3/2/2022			6.89	---	---	649.78
	9/14/2022			7.70	---	---	648.97
	3/10/2023			7.13	---	---	649.54
	9/13/2023			7.53	---	---	649.14
	3/26/2024			8.58	---	---	648.09
	10/1/2024			9.94	---	---	646.73
	7/23/2025			8.62	---	---	648.05
	7/31/2025			8.66	---	---	648.01
	8/6/2025			9.70	---	---	646.97
8/13/2025	9.57	---	---	647.10			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW14	4/25/2018	5.23 - 20.23	657.15	7.81	---	---	649.34
	4/27/2018			7.75	---	---	649.40
	8/27/2018			8.35	---	---	648.80
	8/31/2018			8.40	---	---	648.75
	11/26/2018			8.45	---	---	648.70
	11/30/2018			8.51	---	---	648.64
	3/29/2019			7.70	---	---	649.45
	8/29/2019			8.03	---	---	649.12
	12/19/2019			8.58	---	---	648.57
	3/22/2020			8.10	---	---	649.05
	8/30/2020			8.10	---	---	649.05
	11/19/2020			7.90	---	---	649.25
	4/7/2021			8.02	---	---	649.13
	10/6/2021			8.38	---	---	648.77
	3/2/2022			7.69	---	---	649.46
	9/14/2022			8.50	---	---	648.65
3/10/2023	7.83	---	---	649.32			
9/13/2023	8.42	---	---	648.73			
MW14R	3/26/2024	4.85-16.85	657.46	10.88	---	---	646.58
	10/1/2024			11.59	---	---	645.87
	7/23/2025			11.11	---	---	646.35
	7/31/2025			11.12	---	---	646.34
	8/6/2025			11.41	---	---	646.05
	8/13/2025			11.38	---	---	646.08

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW15	4/25/2018	10.33 - 35.33	654.99	NM	---	---	---
	4/27/2018			34.80	---	---	620.19
	8/27/2018			34.76	---	---	620.23
	8/31/2018			34.82	---	---	620.17
	11/26/2018			dry	---	---	---
	11/30/2018			dry	---	---	---
	3/29/2019			dry	---	---	---
	8/29/2019			dry	---	---	---
	12/19/2019			34.94	---	---	620.05
	3/22/2020			dry	---	---	---
	8/30/2020			34.79	---	---	620.20
	11/19/2020			34.79	---	---	620.20
	4/7/2021			35.00	---	---	619.99
	10/6/2021			dry	---	---	---
	3/2/2022			dry	---	---	---
	9/14/2022			34.95	---	---	620.04
	3/10/2023			dry	---	---	---
	9/13/2023			dry	---	---	---
	3/26/2024			dry	---	---	---
	10/1/2024			dry	---	---	---
7/23/2025	dry	---	---	---			
7/31/2025	dry	---	---	---			
8/6/2025	dry	---	---	---			
8/13/2025	dry	---	---	---			
MW16	4/25/2018	9.28 - 29.28	656.93	9.72	---	---	647.21
	4/27/2018			9.70	---	---	647.23
	8/27/2018			10.05	---	---	646.88
	8/31/2018			10.18	---	---	646.75
	11/26/2018			10.07	---	---	646.86
	11/30/2018			9.73	---	---	647.20
	3/29/2019			9.44	---	---	647.49
	8/29/2019			9.89	---	---	647.04
	12/19/2019			9.92	---	---	647.01
	3/22/2020			9.91	---	---	647.02
	8/30/2020			9.41	---	---	647.52
	11/19/2020			9.51	---	---	647.42
	4/7/2021			9.71	---	---	647.22
	10/6/2021			10.14	---	---	646.79
	3/2/2022			NM	---	---	---
	9/14/2022			10.11	---	---	646.82
	3/10/2023			9.58	---	---	647.35
	9/13/2023			10.09	---	---	646.84
	3/26/2024			9.74	---	---	647.19
	10/1/2024			10.29	---	---	646.64
7/23/2025	10.25	---	---	646.68			
7/31/2025	10.27	---	---	646.66			
8/6/2025	10.32	---	---	646.61			
8/13/2025	10.31	---	---	646.62			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW17	4/25/2018	9.52 - 29.52	655.55	14.25	---	---	641.30
	4/27/2018			14.22	---	---	641.33
	8/27/2018			15.07	---	---	640.48
	8/31/2018			15.14	---	---	640.41
	11/26/2018			14.78	---	---	640.77
	11/30/2018			14.66	---	---	640.89
	3/29/2019			13.38	---	---	642.17
	8/29/2019			14.23	---	---	641.32
	12/19/2019			28.34	---	---	627.21
	3/22/2020			14.35	---	---	641.20
	8/30/2020			13.93	---	---	641.62
	11/19/2020			13.78	---	---	641.77
	4/7/2021			13.84	---	---	641.71
	10/6/2021			14.51	---	---	641.04
	3/2/2022			13.01	---	---	642.54
	9/14/2022			14.61	---	---	640.94
	3/10/2023			13.90	---	---	641.65
	9/13/2023			14.40	---	---	641.15
	3/26/2024			13.98	---	---	641.57
	10/1/2024			14.47	---	---	641.08
7/23/2025	14.07	---	---	641.48			
7/31/2025	14.10	---	---	641.45			
8/6/2025	14.66	---	---	640.89			
8/13/2025	14.34	---	---	641.21			
MW18	4/25/2018	15.86 - 35.86	654.51	NM	---	---	---
	4/27/2018			34.69	---	---	619.82
	8/27/2018			dry	---	---	---
	8/31/2018			dry	---	---	---
	11/26/2018			dry	---	---	---
	11/30/2018			dry	---	---	---
	3/29/2019			dry	---	---	---
	8/29/2019			dry	---	---	---
	12/19/2019			dry	---	---	---
	3/22/2020			dry	---	---	---
	8/30/2020			dry	---	---	---
	11/19/2020			dry	---	---	---
	4/7/2021			dry	---	---	---
	10/6/2021			dry	---	---	---
	3/2/2022			dry	---	---	---
	9/14/2022			dry	---	---	---
	3/10/2023			dry	---	---	---
	9/13/2023			dry	---	---	---
	3/26/2024			dry	---	---	---
	10/1/2024			dry	---	---	---
7/23/2025	dry	---	---	---			
7/31/2025	dry	---	---	---			
8/6/2025	dry	---	---	---			
8/13/2025	dry	---	---	---			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW19	4/25/2018	11.66 - 31.66	653.31	23.05	---	---	630.26
	4/27/2018			23.15	---	---	630.16
	8/27/2018			28.63	---	---	624.68
	8/31/2018			28.83	---	---	624.48
	11/26/2018			dry	---	---	---
	11/30/2018			27.72	---	---	625.59
	3/29/2019			21.30	---	---	632.01
	8/29/2019			30.45	---	---	622.86
	12/19/2019			30.09	---	---	623.22
	3/22/2020			27.48	---	---	625.83
	8/30/2020			27.90	---	---	625.41
	11/19/2020			25.41	---	---	627.90
	4/7/2021			22.80	---	---	630.51
	10/6/2020			28.30	---	---	625.01
	3/2/2022			NM	---	---	---
	9/14/2022			27.04	---	---	626.27
	3/10/2023			20.85	---	---	632.46
	9/13/2023			22.19	---	---	631.12
	3/26/2024			23.15	---	---	630.16
	10/1/2024			28.34	---	---	624.97
7/23/2025	20.31	---	---	633.00			
7/31/2025	20.31	---	---	633.00			
8/6/2025	20.50	---	---	632.81			
8/13/2025	22.95	---	---	630.36			
MW20	4/25/2018	9.79 - 29.79	650.85	18.55	---	---	632.30
	4/27/2018			18.64	---	---	632.21
	8/27/2018			24.97	---	---	625.88
	8/31/2018			25.24	---	---	625.61
	11/26/2018			25.20	---	---	625.65
	11/30/2019			24.95	---	---	625.90
	3/29/2019			13.32	---	---	637.53
	8/29/2019			25.02	---	---	625.83
	12/19/2019			25.98	---	---	624.87
	3/22/2020			24.16	---	---	626.69
	8/30/2020			22.60	---	---	628.25
	11/19/2020			17.22	---	---	633.63
	4/7/2021			18.27	---	---	632.58
	10/6/2021			25.48	---	---	625.37
	3/2/2022			12.11	---	---	638.74
	9/14/2022			24.32	---	---	626.53
	3/10/2023			16.45	---	---	634.40
	9/13/2023			23.36	---	---	627.49
	3/26/2024			19.82	---	---	631.03
	10/1/2024			23.89	---	---	626.96
7/23/2025	21.53	---	---	629.32			
7/31/2025	21.55	---	---	629.30			
8/6/2025	21.98	---	---	628.87			
8/13/2025	22.57	---	---	628.28			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW21	4/25/2018	12.30 - 32.30	643.88	19.40	---	---	624.48
	4/27/2018			19.31	---	---	624.57
	8/27/2018			20.88	---	---	623.00
	8/31/2018			21.36	---	---	622.52
	11/26/2018			20.42	---	---	623.46
	11/30/2018			20.71	---	---	623.17
	3/29/2019			19.67	---	---	624.21
	8/29/2019			20.59	---	---	623.29
	12/19/2019			21.79	---	---	622.09
	3/22/2020			25.36	---	---	618.52
	8/30/2020			20.12	---	---	623.76
	11/19/2020			19.84	---	---	624.04
	4/7/2021			19.72	---	---	624.16
	10/6/2021			21.75	---	---	622.13
	3/2/2022			19.56	---	---	624.32
	9/14/2022			20.75	---	---	623.13
	3/10/2023			19.58	---	---	624.30
	9/13/2023			20.04	---	---	623.84
	3/26/2024			19.79	---	---	624.09
	10/1/2024			22.06	---	---	621.82
7/23/2025	19.91	---	---	623.97			
7/31/2025	19.90	---	---	623.98			
8/6/2025	19.86	---	---	624.02			
8/13/2025	19.95	---	---	623.93			
MW22	4/25/2018	9.19 - 34.19	641.85	21.80	---	---	620.05
	4/27/2018			21.80	---	---	620.05
	8/27/2018			23.72	---	---	618.13
	8/31/2018			24.46	---	---	617.39
	11/26/2018			23.49	---	---	618.36
	11/30/2018			24.74	---	---	617.11
	3/29/2019			24.90	---	---	616.95
	8/29/2019			NM	---	---	---
	12/19/2019			24.49	---	---	617.36
	3/22/2020			25.75	---	---	616.10
	8/30/2020			25.18	---	---	616.67
	11/19/2020			24.18	---	---	617.67
	4/7/2021			26.26	---	---	615.59
	10/6/2021			26.06	---	---	615.79
	3/2/2022			24.65	---	---	617.20
	9/14/2022			25.93	---	---	615.92
	3/10/2023			25.49	---	---	616.36
	9/13/2023			26.15	---	---	615.70
	3/26/2024			25.80	---	---	616.05
	10/1/2024			26.01	---	---	615.84
7/23/2025	25.77	---	---	616.08			
7/31/2025	25.79	---	---	616.06			
8/6/2025	25.45	---	---	616.40			
8/13/2025	25.18	---	---	616.67			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW23	4/25/2018	7.13 - 22.13	656.91	10.28	---	---	646.63
	4/27/2018			10.30	---	---	646.61
	8/27/2018			12.16	---	---	644.75
	8/31/2018			11.99	---	---	644.92
	11/26/2018			11.27	---	---	645.64
	11/30/2019			11.30	---	---	645.61
	3/29/2019			9.36	---	---	647.55
	8/29/2019			11.42	---	---	645.49
	12/19/2019			11.66	---	---	645.25
	3/22/2020			10.95	---	---	645.96
	8/30/2020			11.48	---	---	645.43
	11/19/2020			10.12	---	---	646.79
	4/7/2021			10.62	---	---	646.29
	10/6/2021			12.55	---	---	644.36
	3/2/2022			8.61	---	---	648.30
	9/14/2022			11.90	---	---	645.01
	3/10/2023			9.80	---	---	647.11
	9/13/2023			11.52	---	---	645.39
	3/26/2024			10.16	---	---	646.75
	10/1/2024			11.71	---	---	645.20
7/23/2025	10.83	---	---	646.08			
7/31/2025	10.91	---	---	646.00			
8/6/2025	11.04	---	---	645.87			
8/13/2025	11.11	---	---	645.80			
MW24	8/27/2018	14.17 - 34.17	644.38	26.03	---	---	618.35
	8/31/2018			26.77	---	---	617.61
	11/26/2018			27.11	---	---	617.27
	11/30/2018			27.05	---	---	617.33
	3/29/2019			24.75	---	---	619.63
	8/29/2019			26.51	---	---	617.87
	12/19/2019			27.90	---	---	616.48
	3/22/2020			27.50	---	---	616.88
	8/30/2020			26.82	---	---	617.56
	11/19/2020			24.85	---	---	619.53
	4/7/2021			25.50	---	---	618.88
	10/6/2021			28.31	---	---	616.07
	3/2/2022			23.31	---	---	621.07
	9/14/2022			27.47	---	---	616.91
	3/10/2023			24.18	---	---	620.20
	9/13/2023			27.33	---	---	617.05
	3/26/2024			25.44	---	---	618.94
	10/1/2024			27.22	---	---	617.16
	7/23/2025			26.06	---	---	618.32
	7/31/2025			26.11	---	---	618.27
8/6/2025	26.14	---	---	618.24			
8/13/2025	25.99	---	---	618.39			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW25	8/27/2018	12.81 - 32.81	645.57	26.01	---	---	619.56
	8/31/2018			26.49	---	---	619.08
	11/26/2018			24.96	---	---	620.61
	11/30/2018			25.19	---	---	620.38
	3/29/2019			13.45	---	---	632.12
	8/29/2019			26.02	---	---	619.55
	12/19/2019			25.50	---	---	620.07
	3/22/2020			23.75	---	---	621.82
	8/30/2020			24.81	---	---	620.76
	11/19/2020			23.91	---	---	621.66
	4/7/2021			17.37	---	---	628.20
	10/6/2021			25.12	---	---	620.45
	3/2/2022			12.43	---	---	633.14
	9/14/2022			22.89	---	---	622.68
	3/10/2023			14.67	---	---	630.90
	9/13/2023			23.93	---	---	621.64
	3/26/2024			19.49	---	---	626.08
	10/1/2024			23.55	---	---	622.02
7/23/2025	23.39	---	---	622.18			
7/31/2025	23.40	---	---	622.17			
8/6/2025	23.30	---	---	622.27			
8/13/2025	22.00	---	---	623.57			
MW26	8/27/2018	13.54 - 33.54	646.65	25.23	---	---	621.42
	8/31/2018			25.76	---	---	620.89
	11/26/2018			25.45	---	---	621.20
	11/30/2018			25.83	---	---	620.82
	3/29/2019			16.35	---	---	630.30
	8/29/2019			26.33	---	---	620.32
	12/19/2019			26.16	---	---	620.49
	3/22/2020			24.52	---	---	622.13
	8/30/2020			25.50	---	---	621.15
	11/19/2020			24.93	---	---	621.72
	4/7/2021			19.57	---	---	627.08
	10/6/2021			25.51	---	---	621.14
	3/2/2022			12.03	---	---	634.62
	9/14/2022			23.46	---	---	623.19
	3/10/2023			15.75	---	---	630.90
	9/13/2023			23.15	---	---	623.50
	3/26/2024			19.65	---	---	627.00
	10/1/2024			24.25	---	---	622.40
7/23/2025	22.40	---	---	624.25			
7/31/2025	22.40	---	---	624.25			
8/6/2025	22.31	---	---	624.34			
8/13/2025	22.41	---	---	624.24			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW27	8/27/2018	13.56 - 38.56	649.00	24.87	---	---	624.13
	8/31/2018			25.06	---	---	623.94
	11/26/2018			24.92	---	---	624.08
	11/30/2018			23.90	---	---	625.10
	3/29/2019			20.04	---	---	628.96
	8/29/2019			23.89	---	---	625.11
	12/19/2019			27.06	---	---	621.94
	3/22/2020			23.58	---	---	625.42
	8/30/2020			23.26	---	---	625.74
	11/19/2020			21.93	---	---	627.07
	4/7/2021			20.95	---	---	628.05
	10/6/2021			24.58	---	---	624.42
	3/2/2022			19.86	---	---	629.14
	9/14/2022			23.59	---	---	625.41
	3/10/2023			20.32	---	---	628.68
	9/13/2023			23.80	---	---	625.20
	3/26/2024			21.83	---	---	627.17
	10/1/2024			24.12	---	---	624.88
	7/23/2025			23.17	---	---	625.83
	7/31/2025			23.19	---	---	625.81
8/6/2025	23.24	---	---	625.76			
8/13/2025	23.59	---	---	625.41			
MW28	8/27/2018	13.62 - 38.62	650.64	26.04	---	---	624.60
	8/31/2018			26.25	---	---	624.39
	11/26/2018			33.05	---	---	617.59
	11/30/2018			25.00	---	---	625.64
	3/29/2019			20.50	---	---	630.14
	8/29/2019			24.96	---	---	625.68
	12/19/2019			28.33	---	---	622.31
	3/22/2020			24.89	---	---	625.75
	8/30/2020			24.29	---	---	626.35
	11/19/2020			22.79	---	---	627.85
	4/7/2021			21.52	---	---	629.12
	10/6/2021			25.70	---	---	624.94
	3/2/2022			20.89	---	---	629.75
	9/14/2022			24.36	---	---	626.28
	3/10/2023			21.33	---	---	629.31
	9/13/2023			24.88	---	---	625.76
	3/26/2024			22.06	---	---	628.58
	10/1/2024			24.31	---	---	626.33
	7/23/2025			22.96	---	---	627.68
	7/31/2025			22.97	---	---	627.67
8/6/2025	23.68	---	---	626.96			
8/13/2025	23.75	---	---	626.89			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW29	8/27/2018	14.05 - 39.05	652.34	34.43	---	---	617.91
	8/31/2018			34.84	---	---	617.50
	11/26/2018			34.92	---	---	617.42
	11/30/2018			34.25	---	---	618.09
	3/29/2019			20.80	---	---	631.54
	8/29/2019			30.67	30.67	<0.01	621.67
	12/19/2019			34.99	---	---	617.35
	3/22/2020			30.11	---	---	622.23
	8/30/2020			25.08	---	---	627.26
	11/19/2020			23.41	23.40	0.01	628.93
	4/7/2021			22.06	---	---	630.28
	10/6/2021			35.90	---	---	616.44
	3/2/2022			20.33	---	---	632.01
	9/14/2022			25.21	---	---	627.13
	3/10/2023			21.14	---	---	631.20
	9/13/2023			25.00	---	---	627.34
	3/26/2024			22.84	---	---	629.50
	10/1/2024			25.07	---	---	627.27
	7/23/2025			22.75	---	---	629.59
7/31/2025	22.75	---	---	629.59			
8/6/2025	22.91	---	---	629.43			
8/13/2025	24.00	---	---	628.34			
MW30	8/27/2018	14.67 - 39.67	652.83	34.73	---	---	618.10
	8/31/2018			35.01	---	---	617.82
	11/26/2018			34.91	---	---	617.92
	11/30/2018			34.84	---	---	617.99
	3/29/2019			35.28	---	---	617.55
	8/29/2019			35.05	---	---	617.78
	12/19/2019			35.19	---	---	617.64
	3/22/2020			35.43	---	---	617.40
	8/30/2020			34.90	---	---	617.93
	11/19/2020			34.90	---	---	617.93
	4/7/2021			35.90	---	---	616.93
	10/6/2021			36.62	---	---	616.21
	3/2/2022			33.49	---	---	619.34
	9/14/2022			35.62	---	---	617.21
	3/10/2023			33.99	---	---	618.84
	9/13/2023			36.90	---	---	615.93
	3/26/2024			34.35	---	---	618.48
	10/1/2024			35.71	---	---	617.12
	7/23/2025			35.00	---	---	617.83
7/31/2025	34.99	---	---	617.84			
8/6/2025	35.99	---	---	616.84			
8/13/2025	34.89	---	---	617.94			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW31	8/27/2018	14.11 - 39.11	653.97	34.55	---	---	619.42
	8/31/2018			35.16	---	---	618.81
	11/26/2018			35.04	---	---	618.93
	11/30/2019			34.96	---	---	619.01
	3/29/2019			32.45	---	---	621.52
	8/29/2019			34.02	---	---	619.95
	12/19/2019			36.08	---	---	617.89
	3/22/2020			30.05	---	---	623.92
	8/30/2020			34.19	---	---	619.78
	11/19/2020			34.97	---	---	619.00
	4/7/2021			32.20	---	---	621.77
	10/6/2021			35.66	---	---	618.31
	3/2/2022			30.94	---	---	623.03
	9/14/2022			34.34	---	---	619.63
	3/10/2023			29.69	---	---	624.28
	9/13/2023			34.80	---	---	619.17
	3/26/2024			26.98	---	---	626.99
	10/1/2024			34.66	---	---	619.31
	7/23/2025			33.62	---	---	620.35
7/31/2025	33.65	---	---	620.32			
8/6/2025	33.98	---	---	619.99			
8/13/2025	34.05	---	---	619.92			
MW32	8/27/2018	8.95 - 33.95	655.83	12.41	---	---	643.42
	8/31/2018			12.43	---	---	643.40
	11/26/2018			12.28	---	---	643.55
	11/30/2019			12.25	---	---	643.58
	3/29/2019			11.13	---	---	644.70
	8/29/2019			12.01	---	---	643.82
	12/19/2019			12.20	---	---	643.63
	3/22/2020			12.20	---	---	643.63
	8/30/2020			11.51	---	---	644.32
	11/19/2020			11.26	---	---	644.57
	4/7/2021			11.42	---	---	644.41
	10/6/2021			12.11	---	---	643.72
	3/2/2022			11.25	---	---	644.58
	9/14/2022			10.90	---	---	644.93
	3/10/2023			11.56	---	---	644.27
	9/13/2023			12.38	---	---	643.45
	3/26/2024			11.45	---	---	644.38
	10/1/2024			11.99	---	---	643.84
	7/23/2025			11.95	---	---	643.88
7/31/2025	11.95	---	---	643.88			
8/6/2025	12.08	---	---	643.75			
8/13/2025	12.25	---	---	643.58			

**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
BH-1	4/17/2017	20-30	652.17	19.71	---	---	632.46
	4/20/2017			20.13	---	---	632.04
	4/27/2017			22.88	---	---	629.29
	5/1/2017			23.16	---	---	629.01
	6/8/2017			25.64	---	---	626.53
	7/3/2017			28.46	27.91	0.55	624.14
	9/28/2017			28.73	---	---	623.44
	4/25/2018			23.03	---	---	629.14
	4/27/2018			20.03	---	---	632.14
	8/27/2018			26.21	---	---	625.96
	8/31/2018			26.27	---	---	625.90
	11/26/2018			NM	---	---	---
	11/30/2018			NM	---	---	---
	BH01R			3/29/2019	14.52-39.52	651.03	20.30
8/29/2019		24.64	---	---			626.39
12/19/2019		34.33	---	---			616.70
3/22/2020		24.30	---	---			626.73
8/30/2020		23.96	---	---			627.07
11/19/2020		22.35	---	---			628.68
4/7/2021		21.36	---	---			629.67
10/6/2021		25.55	---	---			625.48
3/2/2022		20.29	---	---			630.74
9/14/2022		24.32	---	---			626.71
3/10/2023		20.97	---	---			630.06
9/13/2023		24.18	---	---			626.85
3/26/2024		22.34	---	---			628.69
10/1/2024		24.21	---	---			626.82
7/23/2025		22.38	---	---			628.65
7/31/2025		22.38	---	---			628.65
8/6/2025		23.20	---	---			627.83
8/13/2025	23.24	---	---	627.79			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
BH-2	4/17/2017	20-35	653.77	26.16	---	---	627.61
	4/20/2017			26.30	---	---	627.47
	4/27/2017			26.56	26.48	0.08	627.27
	5/1/2017			26.68	26.58	0.10	627.17
	6/8/2017			26.73	---	---	627.04
	7/3/2017			28.86	---	---	624.91
	9/28/2017			31.25	---	---	622.52
	4/25/2018			27.68	---	---	626.09
	4/28/2017			27.53	---	---	626.24
	8/27/2018			28.50	---	---	625.27
	8/31/2018			28.91	---	---	624.86
	11/26/2018			28.66	---	trace	625.11
	11/30/2018			28.63	---	trace	625.14
	3/29/2019			27.75	---	---	626.02
	8/29/2019			28.51	---	---	625.26
	12/19/2019			28.60	---	---	625.17
	3/22/2020			28.31	---	---	625.46
	8/30/2020			28.39	---	---	625.38
	11/19/2020			28.15	---	---	625.62
	4/7/2021			27.90	---	---	625.87
	10/6/2021			30.62	---	---	623.15
	3/2/2022			26.68	---	---	627.09
	9/14/2022			32.12	---	---	621.65
	3/10/2023			26.77	---	---	627.00
	9/13/2023			32.75	---	---	621.02
	3/26/2024			26.98	---	---	626.79
	10/1/2024			30.75	---	---	623.02
	7/23/2025			29.50	---	---	624.27
7/31/2025	29.51	---	---	624.26			
8/6/2025	30.02	---	---	623.75			
8/13/2025	28.64	---	---	625.13			

**Table 2**  
Depth to Water/Groundwater Elevation  
Coleman Oil  
Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
BH-3	4/17/2017	15-30	648.76	17.47	---	---	631.29
	4/20/2017			17.88	---	---	630.88
	4/27/2017			18.70	---	---	630.06
	5/1/2017			19.06	---	---	629.70
	6/8/2017			21.19	---	---	627.57
	7/3/2017			21.70	---	---	627.06
	9/28/2017			23.04	---	---	625.72
	4/25/2018			20.06	---	---	628.70
	4/27/2018			22.36	---	---	626.40
	8/27/2018			22.20	---	---	626.56
	8/31/2018			23.68	---	---	625.08
	11/26/2018			24.05	---	---	624.71
	11/30/2018			25.29	---	---	623.47
	3/29/2019			18.05	---	---	630.71
	8/29/2019			25.43	---	---	623.33
	12/19/2019			24.31	---	---	624.45
	3/22/2020			24.86	---	---	623.90
	8/30/2020			25.47	---	---	623.29
	11/19/2020			27.22	---	---	621.54
	4/7/2021			19.52	---	---	629.24
	10/6/2021			23.88	---	---	624.88
	3/2/2022			16.81	---	---	631.95
	9/14/2022			21.70	---	---	627.06
	3/10/2023			18.52	---	---	630.24
	9/13/2023			22.67	---	---	626.09
	3/26/2024			19.63	---	---	629.13
10/1/2024	22.90	---	---	625.86			
7/23/2025	21.73	---	---	627.03			
7/31/2025	21.75	---	---	627.01			
8/6/2025	22.34	---	---	626.42			
8/13/2025	21.61	---	---	627.15			



**Table 2**  
 Depth to Water/Groundwater Elevation  
 Coleman Oil  
 Wenatchee, Washington

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing <sup>1</sup> (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
RW-1	4/17/2017	15-30	650.42	16.15	---	---	634.27
	4/20/2017			16.34	---	---	634.08
	4/27/2017			17.35	---	---	633.07
	5/1/2017			18.55	---	---	631.87
	6/8/2017			22.67	---	---	627.75
	7/3/2017			24.19	---	---	626.23
	9/28/2017			26.74	---	---	623.68
	4/25/2018			21.19	---	---	629.23
	4/27/2018			21.21	---	---	629.21
	8/27/2018			25.09	---	---	625.33
	8/31/2018			25.69	---	---	624.73
	11/26/2018			28.81	---	---	621.61
	11/30/2018			25.63	---	---	624.79
	3/29/2019			21.12	---	---	629.30
	8/29/2019			26.80	---	---	623.62
	12/19/2019			27.42	---	---	623.00
	3/22/2020			25.51	---	---	624.91
	8/30/2020			27.20	---	---	623.22
	11/19/2020			23.61	---	---	626.81
	4/7/2021			22.08	---	---	628.34
	10/6/2021			25.14	---	---	625.28
	3/2/2022			21.72	---	---	628.70
	9/14/2022			24.33	---	---	626.09
	3/10/2023			18.60	---	---	631.82
9/13/2023	25.05	---	---	625.37			
3/26/2024	22.08	---	---	628.34			
10/1/2024	23.95	---	---	626.47			
7/23/2025	23.21	---	---	627.21			
7/31/2025	23.23	---	---	627.19			
8/6/2025	23.25	---	---	627.17			
8/13/2025	23.28	---	---	627.14			

**NOTES:**

--- denotes no LNAPL present

<sup>1</sup>Elevation in feet above mean sea level. Elevations based on NAVD88 vertical datum. Well survey conducted by Munson Engineers, Inc. of Wenatchee, Washington in July 2010 and April 2017.

bgs = below ground surface  
 LNAPL = light nonaqueous-phase liquid  
 NAPL = nonaqueous-phase liquid

Groundwater elevations in wells with LNAPL corrected for water-level elevation using typical specific gravity of R99 LNAPL of 0.78.



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
MW-1	3/23/2017	---	520	480	--	--	1,000	---	---	---	---	--	--	--	--
	4/21/2017	210 F	730	510	--	--	1,240	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/29/2017	200	410	<410	--	--	410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	8/28/2018	449	219	<151	--	--	219	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	152	159	<151	--	--	159	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	172	126 F-11,F-20	<151	--	--	126	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW01S	4/24/2018	188	<187	<374	--	--	<561	0.42	<1.00	5.8	9.48	--	--	--	--
	8/28/2018	268	294	<151	--	--	294	1.49	<1.00	1.26	<1.50	--	--	--	--
	11/27/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	133	116 F-11, F-20	<151	--	--	116	<0.200	<1.00	4.18	8.97	--	--	--	--
	8/26/2019	<100	269 F-11, F-20	<150	--	--	269	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	97.2 F-11	<154	--	--	97.2	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/23/2020	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	<100	108 F-11	<151	--	--	108	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	<100	236 F-11	<150	--	--	236	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-2	3/23/2017	---	<260	<410	--	--	<670	---	---	---	---	--	--	--	--
	4/20/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	<187	<374	--	--	<561	<0.200	<1.00	<0.500	<1.50	--	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Field ID	Date	Fuels				Volatiles									
			GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
						DRPH	ORPH	DRPH + ORPH								
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>			<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>			<b>1,000</b>													
<b>Benzene (Detect)</b>			<b>800</b>													
MW-3		4/20/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
		9/28/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
MW03S		4/25/2018	<100	<187	<374	--	--	<561	<0.200	<1.00	<0.500	<1.50	<2	<1	<0.5 <b>ec</b>	<0.4
		8/29/2018	<100	<b>139</b>	<151	--	--	<b>139</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		11/27/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		3/25/2019	<100	<76.2	<152	--	--	<228.2	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		8/26/2019	<100	<b>114</b> F-11	<150	--	--	<b>114</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		12/17/2019	<100	<b>77.7</b> F-11	<155	--	--	<b>77.7</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		3/23/2020	<100	<b>76.7</b>	<151	--	--	<b>76.7</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		8/31/2020	<100	<b>86</b> F-11	<151	--	--	<b>86</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	<100	<b>149</b> F-11	<151	--	--	<b>149</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--	
MW-4		3/23/2017	---	<260	<410	--	--	<670	---	---	---	---	--	--	--	--
		4/20/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
		9/28/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
		4/25/2018	<100	<187	<374	--	--	<561	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-5		3/23/2017	---	<260	<410	--	--	<670	---	---	---	---	--	--	--	--
		4/20/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
		9/28/2017	<100	<260	<410	--	--	<670	<1.0	<1.0	<1.0	<2.0	--	--	--	--
		4/25/2018	<100	<189	<377	--	--	<566	<0.200	<1.00	<0.500	<1.50	--	--	--	--
		8/28/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

		Fuels					Volatiles								
					with Silica Gel Cleanup										
		GRPH	DRPH	ORPH	DRPH	ORPH	DRPH + ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
Field ID	Date														
MW-6	4/20/2017	880 F	1,800	480 N1	--	--	2,280	5.0	<4.0	6.2	37	--	--	--	--
	9/28/2017	530 O	760	430 N1	--	--	1,190	<1.0	<1.0	<1.0	4.3	--	--	--	--
	4/25/2018	643	1,620	<374	--	--	1,620	0.56	<1.00	<0.500	2.19	--	--	--	--
	8/29/2018	376	668	<151	--	--	668	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	499	634	<151	--	--	634	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	398	1,010 F-13,F-20	<152	--	--	1,010	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	356	1,200 F-13	<150	--	--	1,200	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	221	742 F-13	<154	--	--	742	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/23/2020	196	1,240	<151	--	--	1,240	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	168	1,180 F-11	<151	--	--	1,180	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	313 F-11,F-15	<151	--	--	313	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	<100	687 F-13	<157	--	--	687	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	128	843 F-13	<155	--	--	843	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	156	904 F-13	<155	--	--	904	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	213	1,180	<172	--	--	1,180	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/9/2023	178	1,150 F-13	<154	--	--	1,150	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/11/2023	263	1,350 F-13	<154	--	--	1,350	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
3/26/2024	189	859	<154	--	--	859	<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
10/2/2024	218	732 F-13	<155	205 F-13	<155		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
8/14/2025	148	939 F-13	<168	244 F-13	<168		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
MW-7	4/20/2017	1,100 F	1,300	420 N1	--	--	1,720	3.2	< 1.0	15	11.4	--	--	--	--
	9/28/2017	<100	520	<470 U1	--	--	520	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	435	<374	--	--	435	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/29/2018	<100	448	<151	--	--	448	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	<100	283	<151	--	--	283	<0.200	<1.00	<0.500	<1.50	--	--	--	--



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Fuels						Volatiles								
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH									µg/L
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	
<b>Benzene (Non Detect)</b>	<b>1,000</b>														
<b>Benzene (Detect)</b>	<b>800</b>														
<b>Field ID</b>	<b>Date</b>														
MW-8	9/29/2017	1,300 O	2,100	690 N1	--	--	2,790	<1.0	<1.0	4.1	27.2	--	--	--	--
	4/26/2018	720	1,300	<374	--	--	1,300	0.641	<1.00	<0.500	4.67	--	--	--	--
	8/29/2018	774	907	<151	--	--	907	<0.200	<1.00	<0.500	3.42	--	--	--	--
	11/28/2018	921	505	<151	--	--	505	0.214	<1.00	1.06	6.23	--	--	--	--
	3/26/2019	768	2,220 F-13,F-20	<152	--	--	2,220	22.2	<1.00	<0.500	2.70	--	--	--	--
	8/26/2019	899	1,320 F-13,F-20	<151	--	--	1,320	0.853	<1.00	0.504	2.17	--	--	--	--
	12/18/2019	891	1,110 F-13	<155	--	--	1,110	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	975	2,230	<150	--	--	2,230	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	683	1,960	<151	--	--	1,960	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	873	3,640 F-13	<151	--	--	3,640	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	766	2,300 F-13	<769 ec	--	--	2,300	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	707	2,490 F-13	<155	--	--	2,490	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	559	3,390 F-13	158	--	--	3,390	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	468	1,520	<163	--	--	1,520	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	241	--	--	--	--	--	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/11/2023	398	1,950 F-13	<160	--	--	1,950	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/26/2024	284	2,480	<151	--	--	2,480	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
10/2/2024	313	1,780 F-13	<150	135 F-13	<150		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
8/14/2025	189	1,890 F-13	<151	418 F-13	<151		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
MW-9	9/29/2017	500 O	1,200	670 N1	--	--	1,870	<1.0	<1.0	<1.0	1.5	--	--	--	--
	4/26/2018	2,810	2,620	<374	--	--	2,620	2.73	<1.00	9.95	20.4	--	--	--	--
MW09R	8/29/2018	234	654	<151	--	--	654	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	1,300	1,850	<151	--	--	1,850	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	1,000	5,690 F-13,F-20	<151	--	--	5,690	5.64	<1.00	0.545	<1.50	--	--	--	--
	8/27/2019	1,080	5,880 F-13	<150	--	--	5,880	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	1,420	1,120,000 F-13	<30,200 <i>ec</i>	--	--	1,120,000	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	688	3,130	<150	--	--	3,130	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	379	2,330 F-13	<151	--	--	2,330	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	626	4,870 F-13	<155	--	--	4,870	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	362	2,520 F-13	<755 <i>ec</i>	--	--	2,520	0.538	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	868	4,290 F-13	163	--	--	4,290	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/13/2022	965	2,530	<157	--	--	2,530	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	865	3,320 F-13	<170	--	--	3,320	<0.200	<1.00	<0.500	<1.50	<2.2	--	--	--
	9/12/2023	661	4,610 F-13	<165	--	--	4,610	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	1,520	2,840	<152	--	--	2,840	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	10/2/2024	1,380	4,330 F-13	<154	980 F-13	475		<0.200	<1.00	<0.500	<1.50	<5	--	--	--
8/13/2025	1,090	3,610 F-13	<150	700 F-13	<150		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels						Volatiles							
		GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
					DRPH	ORPH	DRPH + ORPH								
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>MW-10</b>	4/21/2017	<b>1,900 F</b>	<b>3,800</b>	<b>730</b>	--	--	<b>4,530</b>	3.4	< 1.0	<b>11</b>	<b>12.5</b>	--	--	--	--
	9/29/2017	<b>1,900 O</b>	<b>16,000</b>	<b>1,300 N1</b>	--	--	<b>17,300</b>	<1.0	<1.0	<b>13</b>	<b>26.7</b>	--	--	--	--
	4/26/2018	<b>2,290</b>	<b>1,500</b>	<377	--	--	<b>1,500</b>	<b>0.219</b>	<1.00	<b>3.52</b>	<b>5.95</b>	--	--	--	--
	8/30/2018	<b>1,080</b>	<b>838</b>	< 150	--	--	<b>838</b>	< 0.200	< 1.00	<b>1.22</b>	<b>2.42</b>	--	--	--	--
	11/29/2018	<b>2,160</b>	<b>1,370</b>	<755 <b>ec</b>	--	--	<b>1,370</b>	<0.200	<1.00	<b>3.90</b>	<b>5.98</b>	--	--	--	--
	3/28/2019	<b>1,020</b>	<b>2,960 F-13</b>	<151	--	--	<b>2,960</b>	<b>0.401</b>	<1.00	<b>0.837</b>	<1.50	--	--	--	--
	8/27/2019	<b>1,270</b>	<b>3,620 F-13</b>	<1,510 <b>ec</b>	--	--	<b>3,620</b>	<0.200	<1.00	<b>1.44</b>	3.06	--	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/24/2020	<b>557</b>	<b>2,250</b>	<150	--	--	<b>2,250</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<b>635</b>	<b>2,130 F-13</b>	<150	--	--	<b>2,130</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<b>781</b>	<b>1,290 F-13</b>	<150	--	--	<b>1,290</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/6/2021	<b>632</b>	<b>1,520 F-13</b>	<152	--	--	<b>1,520</b>	<b>0.217</b>	<1.00	<0.500	<1.50	--	--	--	--
	2/28/2022	<b>687</b>	<b>1,940</b>	<152	--	--	<b>1,940</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	<b>829</b>	<b>1,530</b>	<152	--	--	<b>1,530</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<b>489</b>	<b>1,530 F-13</b>	<151	--	--	<b>1,530</b>	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/11/2023	<b>629</b>	<b>1,650 F-13</b>	<151	--	--	<b>1,650</b>	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	<b>462</b>	<b>1,740</b>	<154	--	--	<b>1,740</b>	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	10/2/2024	<b>980 F-13</b>	<b>980 F-13</b>	<155	<b>240 F-13</b>	<155		<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	8/14/2025	<b>600</b>	<b>2,090 F-13</b>	<152	<b>321 F-13</b>	<152		<0.200	<1.00	<0.500	<1.50	<5	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH								
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW-11	4/21/2017	1,400 F	1,700	1,000 N1	--	--	2,700	28	4.1	8.2	26.1	--	--	--
	9/29/2017	1,000 O	3,100	720 N1	--	--	3,820	<1.0	<1.0	1.9	12.5	--	--	--
	4/26/2018	1,240	1,140	<374	--	--	1,140	<0.200	<1.00	0.56	2.27	--	--	--
	8/29/2018	944	251	<150	--	--	251	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/27/2018	1,350	503	<151	--	--	503	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/26/2019	1,540	1,230 F-13, F-20	<150	--	--	1,230	11.6	<1.00	<0.500	2.34	--	--	--
	8/26/2019	1,230	1,060 F-13, F-20	<151	--	--	1,060	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/18/2019	1,020	1,060 F-13	<152	--	--	1,060	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/23/2020	1,010	1,500	<151	--	--	1,500	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/31/2020	804	1,870 F-13	<151	--	--	1,870	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/17/2020	963	1,880 F-13	<150	--	--	1,880	<0.200	<1.00	<0.500	<1.50	--	--	--
	4/5/2021	788	2,810 F-13	<151	--	--	2,810	1.67	<1.00	<0.500	<1.50	--	--	--
	3/1/2022	580	2,480 F-13	<155	--	--	2,480	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/12/2022	517	1,920	<155	--	--	1,920	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/9/2023	332	1,830 F-13	<162	--	--	1,830	<0.200	<1.00	<0.500	<1.50	<2	--	--
	9/11/2023	461	1,250 F-13	<158	--	--	1,250	<0.200	<1.00	<0.500	<1.50	<2	--	--
	3/27/2024	337	1,460	<154	--	--	1,460	<0.200	<1.00	<0.500	<1.50	<5	--	--
10/2/2024	546	974 F-13	<150	369 F-13	<150		<0.200	<1.00	<0.500	<1.50	<5	--	--	
8/14/2025	444	1,080 F-13	<172	223 F-13	<172		<0.200	<1.00	<0.500	<1.50	<5	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup		DRPH + ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH									
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW12	4/25/2018	<100	<189	<377	--	--	<566	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/28/2018	<100	<74.8	<150	--	--	<224.8	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/27/2018	<100	<b>92.8</b>	<151	--	--	<b>92.8</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/25/2019	<100	<76.2	<152	--	--	<228.5	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/26/2019	<100	<74.8	<150	--	--	<224.8	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/17/2019	<100	<b>91.0</b> F-11	<152	--	--	<b>91</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/23/2020	<100	<b>170</b>	<151	--	--	<b>170</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/31/2020	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/16/2020	<100	<b>106</b> F-11	<150	--	--	<b>106</b>	<0.200	<1.00	<0.500	<1.50	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
MW13	4/25/2018	40,900	1,790	<377	--	--	1,790	1,500	4,710	627	3,780	--	--	--	--
	8/29/2018	39,300	2,500	<150	--	--	2,500	1,780	3,010	796	4,850	167	<50 ec	<25 ec	<25 ec
	11/27/2018	22,400	3,250	<151	--	--	3,250	1,380	271	458	3,170	--	--	--	--
	3/25/2019	28,500	4,650 F-11,F-20	<151	--	--	4,650	701	761	804	4,980	--	--	--	--
MW13R	8/26/2019	966	2,180 F-11,F-20	<151	--	--	2,180	96.4	<1.00	8.52	28.5	--	--	--	--
	12/17/2019	292	979 F-11	<154	--	--	979	47.3	<1.00	2.16	5.00	--	--	--	--
	3/23/2020	<100	1,350	<151	--	--	1,350	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	<100	666 F-11	<151	--	--	666	0.523	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	<100	1,750 F-11	<150	--	--	1,750	0.22	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	<100	610 F-11	<151	--	--	610	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	<100	1,410 F-11	<157	--	--	1,410	2.52	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	<100	703 F-11	<157	--	--	703	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	<100	1,770	<162	--	--	1,770	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/9/2023	<100	529 F-11	<162	--	--	529	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/11/2023	<100	937 F-11	<154	--	--	937	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	769	1,670	<153	--	--	1,670	28	<1.00	0.93	3.59	7.57	--	--	--
	10/3/2024	2,300	1,610 A-01 F-11	<154	157 F-13	<154		20.7	<1.00	3.83	<1.50	6.06			
8/14/2025	1,300	3,980 F-13	<168	796 F-13	<168		45.5	<1.00	1.61	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles								
	GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
				DRPH	ORPH	DRPH + ORPH									µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	
<b>Benzene (Non Detect)</b>	<b>1,000</b>														
<b>Benzene (Detect)</b>	<b>800</b>														
Field ID	Date	GRPH	DRPH	ORPH	DRPH	ORPH	DRPH + ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
MW14	8/29/2018	4,040	487	<150	--	--	487	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/25/2018	4,620	900	<374	--	--	900	13.1	<1.00	16.1	<1.50	3.21	<1	<0.5 ec	<0.4
	11/27/2018	5,170	933	<151	--	--	933	15.2	<1.00	1.70	<1.50	--	--	--	--
	3/25/2019	2,650	1,070 F-11,F-20	<151	--	--	1,070	17.8	<1.00	2.04	<1.50	--	--	--	--
	8/26/2019	3,510	1,280 F-11,F-20	<151	--	--	1,280	44.2	<10.0	5.95	<15	--	--	--	--
	12/17/2019	3,450	671 F-11,F-20	<154	--	--	671	24.7	<1.00	3.00	2.69	--	--	--	--
	3/23/2020	2,320	1,280	<150	--	--	1,280	13.3	<1.00	4.40	2.00	--	--	--	--
	8/31/2020	3,830	825 F-11,F-20	<151	--	--	825	7.82	<100	4.00	<1.50	--	--	--	--
	11/17/2020	3,570	1,180 F-13	<150	--	--	1,180	2.46	<1.00	0.71	<1.50	--	--	--	--
	4/5/2021	3,820	831 F-11, F-20	<151	--	--	831	1.68	<1.00	3.70	<1.50	--	--	--	--
	10/4/2021	3,860	970 F-11, F-20	<157	--	--	970	2.29	<1.00	2.46	<1.50	--	--	--	--
	3/1/2022	4,020	1,000 F-20	<167	--	--	1,000	4.03	<1.00	6.47	<1.50	--	--	--	--
	9/12/2022	4,480	1,040	<160	--	--	1,040	1.86	<1.00	3.03	<1.50	--	--	--	--
	3/9/2023	3,050	828 F-11,F-20	<152	--	--	828	2.09	<1.00	3.05	<1.50	2.38	--	--	--
9/11/2023	4,650	1,000 F-11,F-20	<158	--	--	1,000	2.20	<10	<5	<15	<50	--	--	--	
MW14R	3/27/2024	498	2,160	<152	--	--	2,160	1.82	<1.00	<0.500	<1.50	<5	--	--	--
	10/3/2024	250	1,320 A-01, F-11	<150	<74.8	<150		0.89	<1.00	0.85	<1.50	<5			
	8/14/2025	<100	2,650 F-11, F-13	<154	131 F-13	<154		<0.200	<1.00	<0.500	<1.50	<5	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels						Volatiles							
		GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
					DRPH	ORPH	DRPH + ORPH								
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>MW15</b>	4/25/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/29/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/23/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/30/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MW16</b>	4/26/2018	<100	<b>330</b>	<374	--	--	<b>330</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/29/2018	<100	<b>298</b>	<150	--	--	<b>298</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	<100	<b>337</b>	<151	--	--	<b>337</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	<100	<b>183</b> F-11	<150	--	--	<b>183</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	<b>349</b> F-11	<150	--	--	<b>349</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	<b>259</b> F-11	<154	--	--	<b>259</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	<b>242</b>	<151	--	--	<b>242</b>	<b>0.229</b>	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	<b>197</b>	<151	--	--	<b>197</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	<b>252</b> F-11	<150	--	--	<b>252</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles								
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH									µg/L
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	
<b>Benzene (Non Detect)</b>	<b>1,000</b>														
<b>Benzene (Detect)</b>	<b>800</b>														
Field ID	Date														
MW17	4/26/2018	2,800	1,630	<377	--	--	1,630	1.23	<1.00	1.62	7.66	4.72	<1	<0.5 ec	<0.4
	8/29/2018	1,270	986	<150	--	--	986	0.450	<1.00	<0.500	<1.50	5.61	<1	<0.5 ec	<0.5
	11/28/2018	1,390	1,580	<151	--	--	1,580	0.305	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	1,180	2,520 F-13,F-20	<151	--	--	2,520	2.91	<1.00	0.692	1.50	--	--	--	--
	8/26/2019	655	6,730 F-13	<150	--	--	6,730	2.72	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	1,470	21,800 F-13	<3,050 ec	--	--	21,800	1.38	<1.00	3.10	<1.50	--	--	--	--
	3/24/2020	645	10,700	<1,500 ec	--	--	10,700	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	267	2,890 F-13	<151	--	--	2,890	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/18/2020	396	1,970 F-13	<151	--	--	1,970	0.3	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	442	1,620 F-13	<151	--	--	1,620	0.349	<1.00	<0.500	<1.50	--	--	--	--
	10/5/2021	440	1,580 F-13	<168	--	--	1,580	1.42	<1.00	0.79	<1.50	--	--	--	--
	3/1/2022	544	3,000 F-13	<158	--	--	3,000	0.4	<1.00	<0.500	<1.50	--	--	--	--
	9/13/2022	365	1,490	<190	--	--	1,490	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	394	951 F-13	<162	--	--	951	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	119	1,860 F-13	<157	--	--	1,860	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/26/2024	377	1,890	<151	--	--	1,890	1.5	<1.00	0.79	<1.50	<5	--	--	--
10/2/2024	608	2,360 F-13	<157	406 F-13	181		1.91	<1.00	1.27	<1.50	<5				
8/14/2025	986	1,520 F-13	<152	236 F-13	<152		1.59	<1.00	1.15	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels						Volatiles							
		GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
					DRPH	ORPH	DRPH + ORPH								
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>MW18</b>	4/26/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/29/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/2018 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/23/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/30/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2020 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MW19</b>	4/26/2018	<b>280</b>	<b>979</b>	<377	--	--	<b>979</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2018	<100	<b>406</b>	<150	--	--	<b>406</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<b>447</b>	<b>4,300</b> F-13	<151	--	--	<b>4,300</b>	<b>0.673</b>	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/2019	<100	<b>674</b> F-13	<151	--	--	<b>674</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2020	<100	<b>985</b>	<150	--	--	<b>985</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/2/2020	<100	<b>527</b> F-13	<151	--	--	<b>527</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/18/2020	<100	<b>568</b> F-13	<150	--	--	<b>568</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Fuels						Volatiles							
	GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
				DRPH	ORPH	DRPH + ORPH								
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW20	4/26/2018	1,270	1,320	<377	--	--	1,320	<0.200	<1.00	1.56	5.44	--	--	--
	8/30/2018	320	346	<150	--	--	346	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/29/2018	674	1,280	<151	--	--	1,280	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/28/2019	1,220	2,190 F-13	<150	--	--	2,190	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/28/2019	588	870 F-11,F-20	<150	--	--	870	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/17/2019	553	967 F-13	<150	--	--	967	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/25/2020	478	1,470	<151	--	--	1,470	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/2/2020	349	987 F-13	<151	--	--	987	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/18/2020	736	713 F-13	<150	--	--	713	<0.200	<1.00	<0.500	<1.50	--	--	--
	4/6/2021	887	1,360 F-13	<151	--	--	1,360	<0.200	<1.00	<0.500	<1.50	--	--	--
	10/5/2021	568	1,430 F-13	<152	--	--	1,430	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/1/2022	751	2,130 F-13	<154	--	--	2,130	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/13/2022	916	1,320	<155	--	--	1,320	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/9/2023	523	1,430 F-13	<154	--	--	1,430	<0.200	<1.00	<0.500	<1.50	<2	--	--
	9/12/2023	728	1,410 F-13	<157	--	--	1,410	<0.200	<1.00	<0.500	<1.50	<2	--	--
	3/26/2024	370	1,680	<154	--	--	1,680	<0.200	<1.00	<0.500	<1.50	<5	--	--
10/2/2024	349	1,060 F-13	<1,520 ec	190 F-13	<152		<0.200	<1.00	<0.500	<1.50	<5	--	--	
8/14/2025	<100	1,400 F-13	<154	98.5 F-13	<154		<0.200	<1.00	<0.500	<1.50	<5	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH								
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW21	4/26/2018	991	965	<374	--	--	965	<0.200	<1.00	0.835	1.82	--	--	--
	8/30/2018	<100	234	<150	--	--	234	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/27/2018	789	992	<151	--	--	992	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/28/2019	799	1,400 F-13	<151	--	--	1,400	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/27/2019	453	605 F-11,F-20	<150	--	--	605	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/17/2019	<100	160 F-11	<150	--	--	160	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/24/2020	786	1,120	<150	--	--	1,120	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/31/2020	760	1,010 F-13	<151	--	--	1,010	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/16/2020	854	955 F-11, F-20	<150	--	--	955	<0.200	<1.00	<0.500	<1.50	--	--	--
	4/6/2021	675	939 F-13	<157	--	--	939	<0.200	<1.00	<0.500	<1.50	--	--	--
	10/4/2021	155	555 F-13	<154	--	--	555	<0.200	<1.00	<0.500	<1.50	--	--	--
	2/28/2022	613	1,650 F-13	<154	--	--	1,650	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/12/2022	686	1,210	<154	--	--	1,210	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/9/2023	450	1,300 F-13	<152	--	--	1,300	<0.200	<1.00	<0.500	<1.50	<2	--	--
	9/12/2023	959	1,380 F-13	<151	--	--	1,380	<0.200	<1.00	<0.500	<1.50	<2	--	--
	3/26/2024	330	1,400	<154	--	--	1,400	<0.200	<1.00	<0.500	<1.50	<5	--	--
10/2/2024	633	1,650 F-13	<152	83.5 F-13	<152		<0.200	<1.00	<0.500	<1.50	<5	--	--	
8/14/2025	679	1,850 F-13	<154	217 F-13	<154		<0.200	<1.00	<0.500	<1.50	<5	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	GRPH	Fuels					Volatiles							
		DRPH	ORPH	with Silica Gel Cleanup		DRPH + ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
				DRPH	ORPH									
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW22	4/26/2018	<b>6,960</b>	<b>4,690</b>	<377	--	--	<b>4,690</b>	<b>118</b>	<b>28.8</b>	<b>102</b>	<b>196</b>	--	--	--
	8/30/2018	<b>2,040</b>	<b>1,150</b>	<748 <b>ec</b>	--	--	<b>1,150</b>	<b>30.4</b>	<b>5.34</b>	<b>30.5</b>	<b>55.9</b>	--	--	--
MW23	4/25/2018	<100	<b>419</b>	<381	--	--	<b>419</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/29/2018	<100	<b>266</b>	<150	--	--	<b>266</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/27/2018	<100	<b>380</b>	<151	--	--	<b>380</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/25/2019	<100	<b>339</b> F-11	<152	--	--	<b>339</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/26/2019	<100	<b>580</b> F-11	<150	--	--	<b>580</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/17/2019	<100	<b>305</b> F-11	<152	--	--	<b>305</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/23/2020	<100	<b>793</b>	<150	--	--	<b>793</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/31/2020	<100	<b>960</b> F-11	<150	--	--	<b>960</b>	<0.200	<1.00	<0.500	<1.50	--	--	--
11/16/2020	<100	<b>686</b> F-11	<158	--	--	<b>686</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH								
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW24	8/30/2018	<100	220	<150	--	--	220	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/29/2018	154	914	<151	--	--	914	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/28/2019	<100	696 F-13	<150	--	--	696	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/27/2019	<100	560 F-11, F-20	<150	--	--	560	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/24/2020	<100	842	<151	--	--	842	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/31/2020	<100	443 F-11	<150	--	--	443	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/16/2020	<100	165 F-13	<150	--	--	165	<0.200	<1.00	<0.500	<1.50	--	--	--
	4/6/2021	<100	560 F-13	<157	--	--	560	<0.200	1.91	<0.500	<1.50	--	--	--
	10/4/2021	203	1,210 F-13	<165	--	--	1,210	<0.200	<1.00	<0.500	<1.50	--	--	--
	2/28/2022	<100	883 F-13	<152	--	--	883	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/12/2022	<100	694	<152	--	--	694	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/8/2023	<100	740 F-13	<151	--	--	740	<0.200	<1.00	<0.500	<1.50	<2	--	--
	9/12/2023	145	3,890 F-13	1,350	--	--	5,240	<0.200	<1.00	<0.500	<1.50	<2	--	--
	3/27/2024	<100	<381	1,540	--	--	1,540	<0.200	<1.00	<0.500	<1.50	<5	--	--
10/2/2024	122	917 F-13	3,210 F-13	751 F-13	4,050 F-13		<0.200	<1.00	<0.500	<1.50	<5	--	--	
8/14/2025	<100	614 F-11, F-13	<151	<75.3	<151		<0.200	<1.00	<0.500	<1.50	<5	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH								
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW25	8/30/2018	<100	<74.8	<150	--	--	<224.5	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/27/2018	<100	121	<151	--	--	121	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/28/2019	<100	302 F-11	<151	--	--	302	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/27/2019	<100	262 F-13	<150	--	--	262	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/17/2019	<100	98.1 F-11	<150	--	--	98.1	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/24/2020	<100	419	<151	--	--	419	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/1/2020	<100	154 F-11	<150	--	--	154	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/17/2020	<100	<74.8	<150	--	--	<224.5	<0.200	<1.00	<0.500	<1.50	--	--	--
MW26	8/30/2018	<100	128	<150	--	--	128	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/29/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/28/2019	<100	591 F-13	<150	--	--	591	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/27/2019	<100	266 F-13	<150	--	--	266	<0.200	<1.00	<0.500	<1.50	--	--	--
	12/16/2019	<100	187 F-11	<150	--	--	187	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/24/2020	<100	328	<150	--	--	328	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/1/2020	<100	235 F-11	<150	--	--	235	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/17/2020	<100	125	<150	--	--	125	<0.200	<1.00	<0.500	<1.50	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

		Fuels					Volatiles								
					with Silica Gel Cleanup										
		GRPH	DRPH	ORPH	DRPH	ORPH	DRPH + ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
Field ID	Date														
MW27	8/30/2018	<100	118	<150	--	--	118	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	185 F-13	<150	--	--	185	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	<100	467 F-11	<150	--	--	467	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	<100	264 F-11	<150	--	--	264	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	554	<150	--	--	554	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	838 F-11	<150	--	--	838	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	631	<150	--	--	631	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW28	8/30/2018	<100	105	<150	--	--	105	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	385	486	<158	--	--	486	0.208	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	303	1,370 F-13	<151	--	--	1,370	1.30	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	302	1,010 F-13	<150	--	--	1,010	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	671 F-13	<151	--	--	671	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	1,100	<1,500 ec	--	--	1,100	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	218	1,490 F-11	<151	--	--	1,490	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	211	1,750 F-13	<150	--	--	1,750	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	126	1,220 F-13	<151	--	--	1,220	0.500	<1.00	<0.500	<1.50	--	--	--	--
	10/5/2021	<100	1,040 F-13	<151	--	--	1,040	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	<100	381 F-13	<152	--	--	381	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/13/2022	263	1,110	<155	--	--	1,110	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<100	749 F-13	<154	--	--	749	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	223	1,150 F-13	<162	--	--	1,150	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	<100	410 F-13	<154	--	--	410	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
10/2/2024	<100	363 F-13	<152	<76.2	<152		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
8/14/2025	<100	675 F-11, F-13	<160	<80	<160		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Fuels						Volatiles							
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH								
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>	<b>1,000</b>													
<b>Benzene (Detect)</b>	<b>800</b>													
Field ID	Date													
MW29	8/28/2018	<100	459	<150	--	--	459	<0.200	<1.00	<0.500	<1.50	--	--	--
	11/29/2018	<100	238	809	--	--	1,047	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/27/2019	237	2,930 F-13,F-15	928 F-16	--	--	3,858	1.64	<1.00	<0.500	<1.50	--	--	--
	8/26/2019	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2019	3,960	129,000 F-13	<15,700 ec	--	--	129,000	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/25/2020	535	3,870	<1,500 ec	--	--	3,870	<0.200	<1.00	<0.500	<1.50	--	--	--
	8/30/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/5/2021	464	3,090 F-13	<151	--	--	3,090	0.920	<1.00	<0.500	<1.50	--	--	--
	10/4/2021	390	6,690 F-13	<165	--	--	6,690	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/1/2022	221	3,120 F-13	<154	--	--	3,120	<0.200	<1.00	<0.500	<1.50	--	--	--
	9/12/2022	299	5,430	<157	--	--	5,430	<0.200	<1.00	<0.500	<1.50	--	--	--
	3/8/2023	134	2,180 F-13	<167	--	--	2,180	<0.200	<1.00	<0.500	<1.50	<2	--	--
	9/12/2023	282	4,810 F-13	<162	--	--	4,810	<0.200	<1.00	<0.500	<1.50	<2	--	--
	3/27/2024	169	1,180 F-11	<762 ec	--	--	1,180	<0.200	<1.00	<0.500	<1.50	<5	--	--
10/2/2024	205	4,260 F-13	<155	1,970 F-13	<155		<0.200	<1.00	<0.500	<1.50	<5	--	--	
8/13/2025	126	1,040 F-13	<154	123 F-13	<154		<0.200	<1.00	<0.500	<1.50	<5	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Fuels						Volatiles								
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH									µg/L
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	
<b>Benzene (Non Detect)</b>	<b>1,000</b>														
<b>Benzene (Detect)</b>	<b>800</b>														
<b>Field ID</b>	<b>Date</b>														
MW30	8/28/2018	<100	193	<150	--	--	193	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	304	<151	--	--	304	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	<100	612 F-13	<150	--	--	612	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	557 F-13	<150	--	--	557	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	238	5,410 F-13	<154	--	--	5,410	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2020	<100	1,330	<748 ec	--	--	1,330	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	<100	6,200 F-13	1,120	--	--	7,320	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	<100	945 F-13	<150	--	--	945	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	<100	1,390 F-13	759 F-13	--	--	2,149	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	<100	856 F-13	<182	--	--	856	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	<100	1,650 F-13	<152	--	--	1,650	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	<100	672	<154	--	--	672	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<100	1,560 F-13	<165	--	--	1,560	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	<100	1,760 F-13	<151	--	--	1,760	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	<100	2,350 F-13	<151	--	--	2,350	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
10/2/2024	<100	407 F-11	<150	<74.8	<150		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
8/13/2025	<100	865 F-13	<158	211 F-13	<158		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels						Volatiles							
		GRPH	DRPH	ORPH	with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
					DRPH	ORPH	DRPH + ORPH								
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>MW31</b>	8/28/2018	<100	<74.1	<148	--	--	<222.1	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	<100	<74.8	<150	--	--	<224.8	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	<74.8	<150	--	--	<224.8	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	<100	<b>255</b> F-13	<151	--	--	<b>255</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2020	<100	<b>108</b>	<150	--	--	<b>108</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	<100	<b>221</b> F-13	<150	--	--	<b>221</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
<b>MW32</b>	8/29/2018	<b>139</b>	<b>161</b>	<148	--	--	<b>161</b>	<0.200	<1.00	<0.500	<1.50	<2	<1	<0.5 <b>ec</b>	<0.5
	11/28/2018	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	<100	<b>296</b> F-11	<150	--	--	<b>296</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	<b>302</b> F-11	<150	--	--	<b>302</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	<100	<b>433</b> F-11	<155	--	--	<b>433</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	<b>403</b>	<150	--	--	<b>403</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	<75.5	<151	--	--	<226.5	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	<b>166</b> F-11	<150	--	--	<b>166</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	<100	<b>704</b> F-11	<151	--	--	<b>704</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	<100	<b>1,090</b> F-11	<151	--	--	<b>1,090</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	<100	<b>338</b> F-11	<163	--	--	<b>338</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/13/2022	<100	<b>7,920</b>	<152	--	--	<b>7,920</b>	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<100	<b>486</b> F-11	<152	--	--	<b>486</b>	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	<100	<b>451</b> F-11	<152	--	--	<b>451</b>	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/26/2024	<100	<b>396</b> F-11	<152	--	--	<b>396</b>	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	10/2/2024	<100	<b>567</b> F-11	<151	<b>139</b> F-13	<151		<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	8/14/2025	<100	<b>1,160</b> F-13	<151	<76.2	<152		<0.200	<1.00	<0.500	<1.50	<5	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
BH-1	4/21/2017	820 F	1,900	970 N1	--	--	2,870	15	2.8	8.3	18.5	--	--	--	--
	4/26/2018	2,140	1,390	<377	--	--	1,390	0.671	<1.00	5.55	12.5	--	--	--	--
	8/30/2018	591	243	<148	--	--	243	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	1,420	5,120 F13	<151	--	--	5,120	<0.200	<1.00	0.608	<1.50	--	--	--	--
BH01R	3/27/2019	1,130	13,600 F-13	<151	--	--	13,600	4.33	<1.00	1.15	1.78	--	--	--	--
	8/27/2019	518	1,910 F-13	<150	--	--	1,910	0.240	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	918	42,800 F-13	<3,200 ec	--	--	42,800	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	132	2,080	<1,510 ec	--	--	2,080	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	133	2,740 F-13	<151	--	--	2,740	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	164	1,450 F-13	<1,500 ec	--	--	1,450	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	521	1,830 F-13	<155	--	--	1,830	0.630	<1.00	<0.500	<1.50	--	--	--	--
	10/5/2021	244	1,920 F-13	<174	--	--	1,920	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	366	2,180 F-13	<152	--	--	2,180	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/13/2022	499	2,660	<154	--	--	2,660	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<100	690 F-13	<168	--	--	690	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	162	1,960 F-13	<160	--	--	1,960	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	3/27/2024	<100	1,520 F-13	<151	--	--	1,520	<0.200	<1.00	<0.500	<1.50	<5	--	--	--
	10/2/2024	<100	1,910 F13	<150	214 F-13	218		<0.200	<1.00	<0.500	<1.50	<5	--	--	--
8/14/2025	156	2,620 F-13	<178	1,380 F-13	<178		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	



**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
BH-2	4/10/2017	1,900 F	100,000	10,000	--	--	110,000	< 4.0	< 4.0	<0.500	39	--	--	--	--
	4/21/2017	1,500 F	2,600	630 N1	--	--	3,230	4.2	3.3	12	39	--	--	--	--
	4/24/2018	854	9,360	<377	--	--	9,360	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2018	639	3,300	<148	--	--	3,300	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	509	7,040	<151	--	--	7,040	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	354	5,310 F-13, F-15	475 F-03, F-16	--	--	5,785	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	295	6,150 F-13	<150	--	--	6,150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	202	2,230 F-13	<151	--	--	2,230	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2020	128	1,030	<748 ec	--	--	1,030	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/31/2020	102	3,820 F-13	<151	--	--	3,820	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/16/2020	475	7,530 F-13	<1,500 ec	--	--	7,530	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/5/2021	169	4,050 F-13	<154	--	--	4,050	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	10/4/2021	288	4,400 F-13	<151	--	--	4,400	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/1/2022	<100	1,760 F-13	<154	--	--	1,760	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/12/2022	300	3,350	<152	--	--	3,350	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/8/2023	<100	2,170 F-13	<172	--	--	2,170	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
	9/12/2023	195	2,520 F-13	<151	--	--	2,520	<0.200	<1.00	<0.500	<1.50	<2	--	--	--
3/27/2024	<100	5,040 F-13	<762 ec	--	--	5,040	<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
10/2/2024	<100	15,500 F-13	<3,050 ec	12,200 F-13	<1,520 ec		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	
8/13/2025	<100	1,140 F-13	<168	129 F-13	<168		<0.200	<1.00	<0.500	<1.50	<5	--	--	--	

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
Coleman Oil Site  
Wenatchee, Washington

	Date	Fuels					Volatiles								
		GRPH	DRPH	ORPH	with Silica Gel Cleanup		Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC	
					DRPH	ORPH									DRPH + ORPH
<b>WA MTCA Method A Cleanup for Groundwater</b>		<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>
<b>Benzene (Non Detect)</b>		<b>1,000</b>													
<b>Benzene (Detect)</b>		<b>800</b>													
<b>Field ID</b>	<b>Date</b>														
BH-3	4/21/2017	1,800 F	2,400	660	--	--	3,060	1.8	<1.0	5.4	8.2	--	--	--	--
	9/29/2017	150 O	1,200	550 N1	--	--	1,750	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/26/2018	172	1,130	<377	--	--	1,130	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/30/2018	250	276	<148	--	--	276	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	502	<151	--	--	502	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	319	1,850 F-13	<151	--	--	1,850	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	121	816 F-13	<150	--	--	816	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	126	488 F-13	<150	--	--	488	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	552	<151	--	--	552	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	546 F-13	<151	--	--	546	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	483 F-13	<150	--	--	483	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	546 F-13	<151	--	--	546	<0.200	<1.00	<0.500	<1.50	--	--	--	--
11/17/2020	<100	483 F-13	<150	--	--	483	<0.200	<1.00	<0.500	<1.50	--	--	--	--	
RW-1	4/21/2017	<100	840	540 N1	--	--	1,380	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/29/2017	<100	360	440	--	--	800	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/26/2018	<100	<189	<377	--	--	<566	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/30/2018	<100	327	<150	--	--	327	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	<100	152	<151	--	--	152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	<74.8 F-13	<151	--	--	<225.8	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	<100	116 F-11	<150	--	--	116	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	<100	78.7 F-11	<150	--	--	78.7	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/24/2020	<100	132	<151	--	--	132	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	9/1/2020	<100	145 F-11	<151	--	--	145	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/17/2020	<100	119 F-13	<150	--	--	119	<0.200	<1.00	<0.500	<1.50	--	--	--	--

**Table 3**  
**Groundwater Analytical Results - Fuels and VOCs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Fuels						Volatiles									
	GRPH			with Silica Gel Cleanup			Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC		
		DRPH	ORPH	DRPH	ORPH	DRPH + ORPH									µg/L	µg/L
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
<b>WA MTCA Method A Cleanup for Groundwater</b>	<b>800/1000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>160</b>	<b>20</b>	<b>0.01</b>	<b>5</b>		
<b>Benzene (Non Detect)</b>	<b>1,000</b>															
<b>Benzene (Detect)</b>	<b>800</b>															
<b>Field ID</b>	<b>Date</b>															
FB-9	4/7/2017		<b>1,200 F</b>	<b>2,900</b>	<b>1,200</b>	--	--	<b>4,100</b>	<b>2.4</b>	< 1.0	<b>3.7</b>	<b>1.7</b>	--	--	--	--
FB-10	4/7/2017		<b>2,000 F</b>	<b>57,000</b>	< 4,100 <b>ec</b>	--	--	<b>57,000</b>	<b>71</b>	<b>13</b>	<b>7.1</b>	<b>64</b>	--	--	--	--

**Notes:**

- Red** denotes concentration in excess of MTCA Method Cleanup Level for Groundwater.
- Blue** denotes concentration in excess of laboratory method reporting limit (MRL) but below the MTCA Method Cleanup Level for Groundwater.
- MTCA Method A Cleanup Levels, WAC 173-340-720 through 173-340-760, revised Nov., 2007
- GRPH (gasoline range petroleum hydrocarbons) analyzed by Method NWTPH-Gx.
- DRPH (diesel range petroleum hydrocarbons) and ORPH (oil range petroleum hydrocarbons) analyzed by Method NWTPH-Dx.
- Volatile organic compounds (VOCs) analyzed by EPA Method 8260C
- Total Lead by EPA Method 6020 0
- iw = insufficient volume of water to sample
- < = less than method reporting limit shown
- = not analyzed. MW15 and MW18 not sampled due to lack of water in the well. MW29 not sampled due to product in the well.
- ec = Method reporting limit exceeds Clean Up Level shown.
- F and O = hydrocarbons indicative of heavier fuels are present in sample and impacting the gasoline result (Farallon 2017b)
- N1 = hydrocarbons in the diesel-range are impacting the oil result (Farallon 2017b)
- U1 = the practical quantitation limit is elevated due to interferences present in the sample (Farallon 2017b)
- F-03 = The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
- F-11 = The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
- F-13 = The chromatographic pattern does not resemble the fuel standard used for quantitation.
- F-15 = Results for diesel are estimated due to overlap from the reported oil result.
- F-16 = Results for oil are estimated due to overlap from the reported diesel result.
- F-20 = Result for Diesel is estimated due to overlap from Gasoline Range Organics or other VOCs.
- S-02 = Surrogate recovery cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- S-06 = Surrogate recovery is outside of established control limits.



**Table 4**  
**Historical Groundwater Analytical Results - PAHs**  
 Coleman Oil Site  
 Wenatchee, Washington

	Acenaphthene	Acenaphthylene	Anthracene	Benz [a] anthracene	Benzo [a] pyrene	Benzo [b] fluoranthene	Benzo [k] fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenz [a,h] anthracene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup Level for Groundwater</b>					<b>0.1</b>					

Field ID	Date	Acenaphthene	Acenaphthylene	Anthracene	Benz [a] anthracene	Benzo [a] pyrene	Benzo [b] fluoranthene	Benzo [k] fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenz [a,h] anthracene
MW21	4/26/2018	0.193	<0.0935	0.145	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
MW22	4/26/2018	113	<12.3	8.48	0.284	<0.0943	<0.0943	<0.0943	<0.0943	0.243	<0.0943
	8/30/2018	43.4	4.21	3.32	0.156	<0.0374	<0.0374	<0.0374	<0.0374	0.156	<0.0374
MW32	8/29/2018	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370

	Dibenzofuran	Fluoranthene	Fluorene	Indeno [1,2,3-cd] pyrene	1- Methyl-naphthalene	2-Methyl- naphthalene	Naphthalene	Phenanthrene	Pyrene	TEQ
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>WA MTCA Method A Cleanup Level for Groundwater</b>							<b>160</b>			<b>0.1</b>

Field ID	Date	Dibenzofuran	Fluoranthene	Fluorene	Indeno [1,2,3-cd] pyrene	1- Methyl-naphthalene	2-Methyl- naphthalene	Naphthalene	Phenanthrene	Pyrene	TEQ
MW21	4/26/2018	0.103	<0.0935	0.144	<0.0935	1.48	0.494	1.16	<0.0935	<0.0935	0.0706
MW22	4/26/2018	8.55	3.2	36.7	<0.0943	298	210	<b>692</b>	36.6	4.30	0.0968
	8/30/2018	3.34	1.49	14.0	<0.0374	94.2	92.2	<b>189</b>	13.7	2.43	0.0433
MW32	8/29/2018	<0.0370	<0.0370	0.0382	<0.0370	<0.0741	<0.0741	<0.0833	<0.0370	<0.0370	0.0279

**Notes:**

**Red** denotes concentration in excess of MTCA Method Cleanup Level for groundwater.

MTCA Method A Cleanup Levels, WAC 173-340-720 through 173-340-760, revised Nov., 2007

< = less than method reporting limit shown

ug/L = micrograms per liter (parts per billion)

PAHs by EPA Method 8270D SIM

TEQ = Toxic Equivalent Concentration per Ecology Focus Sheet. One-half the detection limit used for non-detected concentrations.



**Table 5**  
Vertical Groundwater Gradients  
Coleman Oil Site  
Wenatchee, Washington

Location	Date	TOC	Total Depth	DTW	GWE	Mid-Point	Mid-Point Elevation	Mid-Point Elevation Difference	GWE Difference	Gradient (ft/ft)
MW-1	8/27/2018	658.01	35	12.17	645.84	23.59	634.43	-6.97	-0.60	0.086
MW-1	8/31/2018	658.01	35	12.20	645.81	23.60	634.41	-6.97	-0.60	0.086
MW-1	11/26/2018	658.01	35	11.36	646.65	23.18	634.83	-6.94	-0.65	0.094
MW-1	11/30/2018	658.01	35	11.38	646.63	23.19	634.82	-6.97	-0.60	0.086
MW-1	3/29/2019	658.01	35	9.68	648.33	22.34	635.67	-6.94	-0.67	0.097
MW-1	8/29/2019	658.01	35	11.69	646.32	23.35	634.67	-6.98	-0.59	0.085
MW-1	12/19/2019	658.01	35	11.84	646.17	23.42	634.59	-6.97	-0.60	0.086
MW-1	3/22/2020	658.01	35	11.12	646.89	23.06	634.95	-6.97	-0.60	0.086
MW-1	8/30/2020	658.01	35	11.93	646.08	23.47	634.55	-6.97	-0.61	0.088
MW-1	11/19/2020	658.01	35	10.60	647.41	22.80	635.21	-7.07	-0.39	0.055
MW-1	4/7/2021	658.01	35	10.75	647.26	22.88	635.14	-6.91	-0.72	0.104
MW-1	10/6/2021	658.01	35	12.65	645.36	23.83	634.19	-6.96	-0.62	0.089
MW-1	3/2/2022	658.01	35	9.11	648.90	22.06	635.96	-7.05	-0.43	0.061
MW-1	9/14/2022	658.01	35	12.26	645.75	23.63	634.38	-7.01	-0.52	0.074
MW-1	3/10/2023	658.01	35	10.33	647.68	22.67	635.35	-7.05	-0.44	0.062
MW-1	9/13/2023	658.01	35	10.33	647.68	22.67	635.35	-6.22	-2.09	0.336
MW-1	3/26/2024	658.01	35	10.45	647.56	22.73	635.29	-7.01	-0.52	0.074
MW-1	10/1/2024	658.01	35	12.03	645.98	23.52	634.50	-6.99	-0.57	0.082
MW-1	8/13/2025	658.01	35	11.32	646.69	23.16	634.85	-7.00	-0.54	0.077
MW01S	8/27/2018	657.54	19.99	12.30	645.24	16.15	641.40			
MW01S	8/31/2018	657.54	19.99	12.33	645.21	16.16	641.38			
MW01S	11/27/2018	657.54	19.99	11.54	646.00	15.77	641.78			
MW01S	11/30/2018	657.54	19.99	11.51	646.03	15.75	641.79			
MW01S	3/29/2019	657.54	19.99	9.88	647.66	14.94	642.61			
MW01S	8/29/2019	657.54	19.99	11.81	645.73	15.90	641.64			
MW01S	12/19/2019	657.54	19.99	11.97	645.57	15.98	641.56			
MW01S	3/22/2020	657.54	19.99	11.25	646.29	15.62	641.92			
MW01S	8/30/2020	657.54	19.99	12.07	645.47	16.03	641.51			
MW01S	11/19/2020	657.54	19.99	10.52	647.02	15.26	642.29			
MW01S	4/7/2021	657.54	19.99	11.00	646.54	15.50	642.05			
MW01S	10/6/2021	657.54	19.99	12.80	644.74	16.40	641.15			
MW01S	3/2/2022	657.54	19.99	9.07	648.47	14.53	643.01			
MW01S	9/14/2022	657.54	19.99	12.31	645.23	16.15	641.39			
MW01S	3/10/2023	657.54	19.99	10.30	647.24	15.15	642.40			
MW01S	9/13/2023	657.54	19.99	11.95	645.59	15.97	641.57			
MW01S	3/26/2024	657.54	19.99	10.50	647.04	15.25	642.30			
MW01S	10/1/2024	657.54	19.99	12.13	645.41	16.06	641.48			
MW01S	8/13/2025	657.54	19.99	11.39	646.15	15.69	641.85			



**Table 5**  
Vertical Groundwater Gradients  
Coleman Oil Site  
Wenatchee, Washington

Location	Date	TOC	Total Depth	DTW	GWE	Mid-Point	Mid-Point Elevation	Mid-Point Elevation Difference	GWE Difference	Gradient (ft/ft)
MW-3	8/27/2018	658.26	35	7.75	650.51	21.38	636.89	-7.62	-0.38	0.050
MW-3	8/31/2018	658.26	35	7.80	650.46	21.40	636.86	-7.63	-0.34	0.045
MW-3	11/26/2018	658.26	35	7.78	650.48	21.39	636.87	-7.73	-0.15	0.019
MW-3	11/30/2018	658.26	35	7.89	650.37	21.45	636.82	-7.74	-0.13	0.017
MW-3	3/29/2019	658.26	35	6.42	651.84	20.71	637.55	-7.36	-0.89	0.121
MW-3	8/29/2019	658.26	35	7.53	650.73	21.27	637.00	-7.66	-0.28	0.037
MW-3	12/19/2019	658.26	35	7.95	650.31	21.48	636.79	-7.75	-0.11	0.014
MW-3	3/22/2020	658.26	35	7.70	650.56	21.35	636.91	-7.74	-0.14	0.018
MW-3	8/30/2020	658.26	35	7.83	650.43	21.42	636.85	-7.60	-0.41	0.054
MW-3	11/19/2020	658.26	35	7.28	650.98	21.14	637.12	-7.71	-0.18	0.023
MW-3	4/7/2021	658.26	35	7.68	650.58	21.34	636.92	-8.10	0.59	-0.073
MW-3	10/6/2021	658.26	35	7.84	650.42	21.42	636.84	-7.56	-0.48	0.063
MW-3	3/2/2022	658.26	35	6.59	651.67	20.80	637.47	-7.60	-0.41	0.054
MW-3	9/14/2022	658.26	35	7.73	650.53	21.37	636.90	-7.62	-0.37	0.049
MW-3	3/10/2023	658.26	35	7.34	650.92	21.17	637.09	-7.82	0.04	-0.005
MW-3	9/13/2023	658.26	35	7.34	650.92	21.17	637.09	-7.44	-0.73	0.098
MW-3	3/26/2024	658.26	35	7.52	650.74	21.26	637.00	-7.80	0.00	0.000
MW-3	10/1/2024	658.26	35	7.89	650.37	21.45	636.82	-7.89	0.17	-0.022
MW-3	8/13/2025	658.26	35	7.50	650.76	21.25	637.01	-7.63	-0.34	0.045
MW03S	8/27/2018	658.17	19.3	8.04	650.13	13.67	644.50			
MW03S	8/31/2018	658.17	19.3	8.05	650.12	13.68	644.50			
MW03S	11/26/2018	658.17	19.3	7.84	650.33	13.57	644.60			
MW03S	11/30/2018	658.17	19.3	7.93	650.24	13.62	644.56			
MW03S	3/29/2019	658.17	19.3	7.22	650.95	13.26	644.91			
MW03S	8/29/2019	658.17	19.3	7.72	650.45	13.51	644.66			
MW03S	12/19/2019	658.17	19.3	7.97	650.20	13.64	644.54			
MW03S	3/22/2020	658.17	19.3	7.75	650.42	13.53	644.65			
MW03S	8/30/2020	658.17	19.3	8.15	650.02	13.73	644.45			
MW03S	11/19/2020	658.17	19.3	7.37	650.80	13.34	644.84			
MW03S	4/7/2021	658.17	19.3	7.00	651.17	13.15	645.02			
MW03S	10/6/2021	658.17	19.3	8.23	649.94	13.77	644.41			
MW03S	3/2/2022	658.17	19.3	6.91	651.26	13.11	645.07			
MW03S	9/14/2022	658.17	19.3	8.01	650.16	13.66	644.52			
MW03S	3/10/2023	658.17	19.3	7.21	650.96	13.26	644.92			
MW03S	9/13/2023	658.17	19.3	7.98	650.19	13.64	644.53			
MW03S	3/26/2024	658.17	19.3	7.43	650.74	13.37	644.81			
MW03S	10/1/2024	658.17	19.3	7.63	650.54	13.47	644.71			
MW03S	8/13/2025	658.17	19.3	7.75	650.42	13.53	644.65			

Notes:



**Table 5**  
Vertical Groundwater Gradients  
Coleman Oil Site  
Wenatchee, Washington

Location	Date	TOC	Total Depth	DTW	GWE	Mid-Point	Mid-Point Elevation	Mid-Point Elevation Difference	GWE Difference	Gradient (ft/ft)
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All Units in feet  
TOC = Top of Casing

DTW = Depth to Water  
GWE = Groundwater Elevation

**APPENDIX A**

**PHOTO DOCUMENTATION**



PHOTO 1  
Debris in boom.



PHOTO 2  
Boom washed ashore.



PHOTO 3  
Debris in boom.



PHOTO 4  
NRC boat used to perform work.



PHOTO 5  
Set boom anchor.



PHOTO 6  
Redeploy boom.



PHOTO 7  
Reset boom.



PHOTO 8  
Reset boom.

## **APPENDIX B**

### **WELL DEVELOPMENT FORMS**



## WELL DEVELOPMENT

Well ID #: <u>MW09</u>	Project name: <u>Columbus Oil Wenatchee</u>
Date: <u>7/15/2025</u>	Project #: <u>10017-001.00</u>
Time: _____	Engineer: <u>C. Dashed</u>

### WELL INFORMATION

Monument condition  Good       Needs repair \_\_\_\_\_  
 Well cap condition  Good       Locked       Replaced       Needs replacement  
 Headspace reading  Not measured \_\_\_\_\_ ppm  
 Elevation mark  Yes       Added       Other \_\_\_\_\_  
 Well diameter  1.5-inch       2-inch       4-inch       Other \_\_\_\_\_  
 Odor \_\_\_\_\_       Comments Pump removed, cleaned, stored. Tubing removed

From well.

### WELL MEASUREMENTS

Total well depth 32.40 ft       Clean bottom       Muddy bottom       Not measured  
 Depth to product \_\_\_\_\_ ft  
 Depth to water 17.49 ft  
 Casing volume 14.91 ft (H<sub>2</sub>O) X 0.65 gpf = 9.7  
 Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf

### PURGING INFORMATION

Pump type       Peristaltic       Submersible       Centrifugal       Other \_\_\_\_\_  
 Purge tubing  New LDPE       New HDPE       New Teflon       Other \_\_\_\_\_  
 Bailer type       Disposable       Stainless       PVC       Other \_\_\_\_\_  
 Bailer cord used       Monofilament       Other \_\_\_\_\_  
 Purge start time \_\_\_\_\_ Purge stop time \_\_\_\_\_ Purge Rate (GPM) \_\_\_\_\_  
**Total Volume Purged (gallons)**      27

### FIELD PARAMETERS

Meters used       FlowThru Cell       Hach       Hanna       Other \_\_\_\_\_  
Gallons      pH      Temp.      Conductivity      Turbidity      Dissolved Oxygen      ORP  
Orange algae - Sed w/ sheen removed from bottom of well.  
No sheen after initial sediment removal.  
Light, organic odor

### NOTES/COMMENTS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Engineer's Signature \_\_\_\_\_

Date 7/15/2025



## WELL DEVELOPMENT

Well ID #: <u>MW17</u>	Project name: <u>Coleman Oil Wenchuckee</u>
Date: <u>7/15/2025</u>	Project #: <u>10019-001.00</u>
Time: _____	Engineer: <u>C. Durschel</u>

### WELL INFORMATION

Monument condition  Good       Needs repair \_\_\_\_\_

Well cap condition  Good       Locked       Replaced       Needs replacement

Headspace reading  Not measured \_\_\_\_\_ ppm

Elevation mark       Yes       Added       Other \_\_\_\_\_

Well diameter       1.5-inch       2-inch       4-inch       Other \_\_\_\_\_

Odor \_\_\_\_\_  Comments Pump removed, cleaned, stored. Tubing removed also.

### WELL MEASUREMENTS

Total well depth 28.90 ft       Clean bottom       Muddy bottom       Not measured

Depth to product \_\_\_\_\_ ft

Depth to water 17.89 ft

Casing volume 11.01 ft (H<sub>2</sub>O) X 0.65 gpf = 7.2

Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf

### PURGING INFORMATION

Pump type       Peristaltic       Submersible       Centrifugal       Other \_\_\_\_\_

Purge tubing  New LDPE       New HDPE       New Teflon       Other \_\_\_\_\_

Bailer type       Disposable       Stainless       PVC       Other \_\_\_\_\_

Bailer cord used       Monofilament       Other \_\_\_\_\_

Purge start time \_\_\_\_\_ Purge stop time \_\_\_\_\_ Purge Rate (GPM) \_\_\_\_\_

Total Volume Purged (gallons)      21

### FIELD PARAMETERS

Meters used       FlowThru Cell       Hach       Hanna       Other \_\_\_\_\_

Gallons      pH      Temp.      Conductivity      Turbidity      Dissolved Oxygen      ORP

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### NOTES/COMMENTS

Orange algae + brown sediment removed.

No odor/Screen.

\_\_\_\_\_

\_\_\_\_\_

Engineer's Signature \_\_\_\_\_ Date 7/15/2025



## WELL DEVELOPMENT

Well ID #: <u>MW 28</u>	Project name: <u>Coleman Oil Wampanoac</u>
Date: <u>7/15/2025</u>	Project #: <u>10019-001.00</u>
Time: _____	Engineer: <u>C. Daschel</u>

### WELL INFORMATION

Monument condition  Good       Needs repair \_\_\_\_\_  
 Well cap condition  Good       Locked       Replaced       Needs replacement  
 Headspace reading  Not measured      \_\_\_\_\_ ppm  
 Elevation mark       Yes       Added       Other \_\_\_\_\_  
 Well diameter       1.5-inch       2-inch       4-inch       Other \_\_\_\_\_  
 Odor \_\_\_\_\_       Comments Pump removed and stored.

### WELL MEASUREMENTS

Total well depth 33.43 ft       Clean bottom       Muddy bottom       Not measured  
 Depth to product \_\_\_\_\_ ft  
 Depth to water 26.24 ft  
 Casing volume 12.19 ft (H<sub>2</sub>O) X 0.65 gpf = 7.9  
 Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf

### PURGING INFORMATION

Pump type       Peristaltic       Submersible       Centrifugal       Other \_\_\_\_\_  
 Purge tubing  New LDPE       New HDPE       New Teflon       Other \_\_\_\_\_  
 Bailer type       Disposable       Stainless       PVC       Other \_\_\_\_\_  
 Bailer cord used       Monofilament       Other \_\_\_\_\_  
 Purge start time \_\_\_\_\_ Purge stop time \_\_\_\_\_ Purge Rate (GPM) \_\_\_\_\_  
**Total Volume Purged (gallons)**      12

### FIELD PARAMETERS

Meters used       FlowThru Cell       Hach       Hanna       Other \_\_\_\_\_  
Gallons      pH      Temp.      Conductivity      Turbidity      Dissolved Oxygen      ORP  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### NOTES/COMMENTS

Removed soft brown sediment from bottom.  
No petrodome odor or sheen  
 \_\_\_\_\_  
 \_\_\_\_\_

Engineer's Signature       Date 7/15/25



## WELL DEVELOPMENT

Well ID #: <u>MW 29</u>	Project name: <u>Coleman Oil Wessatchee</u>
Date: <u>7/15/2025</u>	Project #: <u>10019-001-00</u>
Time: _____	Engineer: <u>C. Darhed</u>

### WELL INFORMATION

Monument condition  Good       Needs repair \_\_\_\_\_  
 Well cap condition  Good       Locked       Replaced       Needs replacement  
 Headspace reading  Not measured      \_\_\_\_\_ ppm  
 Elevation mark       Yes       Added       Other \_\_\_\_\_  
 Well diameter       1.5-inch       2-inch       4-inch       Other \_\_\_\_\_  
 Odor \_\_\_\_\_       Comments Pump removal, cleaned, and stored

### WELL MEASUREMENTS

Total well depth 38.60 ft       Clean bottom       Muddy bottom       Not measured  
 Depth to product \_\_\_\_\_ ft  
 Depth to water 24.71 ft  
 Casing volume 13.39 ft (H<sub>2</sub>O) X 0.65 gpf = 4.03  
 Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf

### PURGING INFORMATION


Pump type       Peristaltic       Submersible       Centrifugal       Other \_\_\_\_\_  
 Purge tubing  New LDPE       New HDPE       New Teflon       Other \_\_\_\_\_  
 Bailer type       Disposable       Stainless       PVC       Other \_\_\_\_\_  
 Bailer cord used       Monofilament       Other \_\_\_\_\_  
 Purge start time \_\_\_\_\_ Purge stop time \_\_\_\_\_ Purge Rate (GPM) \_\_\_\_\_  
 Total Volume Purged (gallons)      9

### FIELD PARAMETERS

Meters used       FlowThru Cell       Hach       Hanna       Other \_\_\_\_\_  
 Gallons      pH      Temp.      Conductivity      Turbidity      Dissolved Oxygen      ORP  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### NOTES/COMMENTS

Sludge w/ petroleum sheen removed from bottom of well.  
No odor/sheen after initial sediment purge  
 \_\_\_\_\_  
 \_\_\_\_\_

Engineer's Signature       Date 7/15/2025



## WELL DEVELOPMENT

Well ID #: <u>Bitol 12</u>	Project name: <u>Coleman Oil Wastewater</u>
Date: <u>7/15/2025</u>	Project #: <u>10014-001.00</u>
Time: _____	Engineer: <u>C. Dashed</u>

### WELL INFORMATION

Monument condition  Good       Needs repair \_\_\_\_\_  
 Well cap condition  Good       Locked       Replaced       Needs replacement  
 Headspace reading  Not measured      \_\_\_\_\_ ppm  
 Elevation mark       Yes       Added       Other \_\_\_\_\_  
 Well diameter       1.5-inch       2-inch       4-inch       Other \_\_\_\_\_  
 Odor \_\_\_\_\_       Comments Pump removed and stored

### WELL MEASUREMENTS

Total well depth 36.75 ft       Clean bottom       Muddy bottom       Not measured  
 Depth to product - ft  
 Depth to water 26.07 ft  
 Casing volume 10.63 ft (H<sub>2</sub>O) X 0.65 gpf = 6.9  
 Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf

### PURGING INFORMATION

Pump type       Peristaltic       Submersible       Centrifugal       Other \_\_\_\_\_  
 Purge tubing  New LDPE       New HDPE       New Teflon       Other \_\_\_\_\_  
 Bailer type       Disposable       Stainless       PVC       Other \_\_\_\_\_  
 Bailer cord used       Monofilament       Other \_\_\_\_\_  
 Purge start time \_\_\_\_\_ Purge stop time \_\_\_\_\_ Purge Rate (GPM) \_\_\_\_\_  
**Total Volume Purged (gallons)**      15

### FIELD PARAMETERS

Meters used       FlowThru Cell       Hach       Hanna       Other \_\_\_\_\_  
Gallons      pH      Temp.      Conductivity      Turbidity      Dissolved Oxygen      ORP  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### NOTES/COMMENTS

Soft bottom, brown/grey sediment removed  
No odor/sheen  
 \_\_\_\_\_  
 \_\_\_\_\_

Engineer's Signature  Date 7/15/2025



## WELL DEVELOPMENT

Well ID #: <u>BH02</u> Date: <u>7/15/2025</u> Time: _____	Project name: <u>Edeman Oil Wamitchee</u> Project #: <u>10019-001-00</u> Engineer: <u>C. Daschel</u>
<b>WELL INFORMATION</b>	
Monument condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Needs repair _____ Well cap condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement Headspace reading <input checked="" type="checkbox"/> Not measured      _____ ppm Elevation mark <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter <input type="checkbox"/> 1.5-inch <input checked="" type="checkbox"/> 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> Other _____ <input type="checkbox"/> Odor _____ <input type="checkbox"/> Comments <u>Tubing removed.</u>	
<b>WELL MEASUREMENTS</b>	
Total well depth <u>34.60</u> ft <input checked="" type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product _____ ft Depth to water <u>28.17</u> ft Casing volume <u>6.43</u> ft (H <sub>2</sub> O) X <u>0.16</u> gpf = <u>1.03</u> Casing volumes    1"=0.04 gpf    1.5"=0.09 gpf    2"=0.16 gpf    4"=0.65 gpf    6"= 1.47 gpf	
<b>PURGING INFORMATION</b>	
Pump type <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other _____ Purge tubing <input checked="" type="checkbox"/> New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____ Purge start time _____ Purge stop time _____ Purge Rate (GPM) _____ <b>Total Volume Purged (gallons)</b> <u>3</u>	
<b>FIELD PARAMETERS</b>	
Meters used <input type="checkbox"/> FlowThru Cell <input type="checkbox"/> Hach <input type="checkbox"/> Hanna <input type="checkbox"/> Other _____ <u>Gallons</u> <u>pH</u> <u>Temp.</u> <u>Conductivity</u> <u>Turbidity</u> <u>Dissolved Oxygen</u> <u>ORP</u> _____ _____ _____	
<b>NOTES/COMMENTS</b>	
<u>Minor amount sediment removed from bottom.</u> <u>No slimes observed.</u> _____ _____	
Engineer's Signature <u></u> Date <u>7/15/2025</u>	

**APPENDIX C**

**POST-GROUNDWATER RECIRCULATION SYSTEM SHUTDOWN  
MONITORING FIELD FORMS**

## Depth to Water/Depth to Product Measurements

Coleman Oil  
Wenatchee, Washington

Date: 7/23/2025

Well ID	Total Well Depth (feet bgs)	Well Diameter (inch)	Screened Interval (feet bgs)	Well Casing Elevation (feet <sup>1</sup> )	Depth to Water (feet BTOC)	Depth to Product (feet BTOC)	Sheen Detected (Yes/No)
MW-1	35.00	2	20-35	658.01	11.34	-	No
MW01S	19.99	4	5.37 - 20.37	657.54	11.18	-	No
MW-2	40.00	2	25-40	657.76	11.06	-	No
MW-3	35.00	2	25-35	658.26	7.58	-	No
MW03S	19.30	4	4.43 - 19.43	658.17	7.80	-	No
MW-4	37.00	2	27-37	657.48	15.66	-	No
MW-5	45.00	2	30-45	656.00	38.95	-	No
MW-6	18.00	4	8-18	657.70	10.65	-	No
MW-7	20.00	4	10-20	657.52	11.33	-	No
MW-8	25.00	4	15-25	656.20	15.21	-	No
MW09R	32.60	4	8.59-33.59	653.55	14.05	-	No
MW10R	33.59	4	14.64-34.64	644.30	21.55	-	No
MW-11	22.00	4	12-22	658.00	13.88	-	No
MW12	19.52	4	4.63 - 19.63	658.27	7.75	-	No
MW13R	18.46	4	4.23 - 18.23	656.67	8.62	-	No
MW14R	20.02	4	5.23 - 20.23	657.15	11.11	-	No
MW15	35.10	4	10.33 - 35.33	654.99	DRY	-	No
MW16	29.15	4	9.28 - 29.28	656.93	10.25	-	No
MW17	29.41	4	9.52 - 29.52	655.55	14.07	-	No
MW18	34.65	4	15.86 - 35.86	654.51	DRY	-	No
MW19	31.48	4	11.66 - 31.66	653.31	20.31	-	No
MW20	29.50	4	9.79 - 29.79	650.85	21.53	-	No
MW21	32.10	4	12.30 - 32.30	643.88	19.91	-	No
MW22	39.10	4	9.19 - 34.19	641.85	25.77	-	No
MW23	22.04	4	7.13 - 22.13	656.91	10.83	-	No
MW24	34.25	4	14.17-34.17	644.38	26.06	-	No
MW25	32.96	4	12.81-32.81	645.57	23.39	-	No
MW26	32.52	4	13.54-33.54	646.65	22.40	-	No
MW27	38.74	4	13.56-38.56	649.00	23.17	-	No
MW28	38.74	4	13.62-38.62	650.64	22.96	-	No
MW29	39.11	4	14.05-39.05	652.34	22.75	-	No
MW30	39.79	4	14.67-39.67	652.83	35.00	-	No
MW31	39.28	4	14.11-39.11	653.97	33.62	-	No
MW32	34.02	4	8.95-33.95	655.83	11.95	-	No
BH01R	39.97	4	14.52-39.52	651.03	22.38	-	No
BH-2	35.00	2	20-35	653.77	29.50	-	No
BH-3	30.00	2	15-30	648.76	21.73	-	No
RW-1	30.00	3	15-30	650.42	23.21	-	No

**NOTES:**

feet<sup>1</sup> = Elevation is relative to NGVD88

bgs = below ground surface

PVC = polyvinyl chloride

BTOC = below top of casing

## Depth to Water/Depth to Product Measurements

Coleman Oil  
Wenatchee, Washington

Date: 7/31/2025

Well ID	Total Well Depth (feet bgs)	Well Diameter (inch)	Screened Interval (feet bgs)	Well Casing Elevation (feet <sup>1</sup> )	Depth to Water (feet BTOC)	Depth to Product (feet BTOC)	Sheen Detected (Yes/No)
MW-1	35.00	2	20-35	658.01	11.33	-	No
MW01S	19.99	4	5.37 - 20.37	657.54	11.45	-	No
MW-2	40.00	2	25-40	657.76	11.12	-	No
MW-3	35.00	2	25-35	658.26	7.59	-	No
MW03S	19.30	4	4.43 - 19.43	658.17	7.82	-	No
MW-4	37.00	2	27-37	657.48	15.79	-	No
MW-5	45.00	2	30-45	656.00	38.94	-	No
MW-6	18.00	4	8-18	657.70	10.71	-	No
MW-7	20.00	4	10-20	657.52	11.35	-	No
MW-8	25.00	4	15-25	656.20	15.33	-	No
MW09R	32.60	4	8.59-33.59	653.55	14.10	-	No
MW10R	33.59	4	14.64-34.64	644.30	21.58	-	No
MW-11	22.00	4	12-22	658.00	13.89	-	No
MW12	19.52	4	4.63 - 19.63	658.27	7.75	-	No
MW13R	18.46	4	4.23 - 18.23	656.67	8.66	-	No
MW14R	20.02	4	5.23 - 20.23	657.15	11.12	-	No
MW15	35.10	4	10.33 - 35.33	654.99	DRY	-	No
MW16	29.15	4	9.28 - 29.28	656.93	10.27	-	No
MW17	29.41	4	9.52 - 29.52	655.55	14.10	-	No
MW18	34.65	4	15.86 - 35.86	654.51	DRY	-	No
MW19	31.48	4	11.66 - 31.66	653.31	20.31	-	No
MW20	29.50	4	9.79 - 29.79	650.85	21.55	-	No
MW21	32.10	4	12.30 - 32.30	643.88	19.90	-	No
MW22	39.10	4	9.19 - 34.19	641.85	25.79	-	No
MW23	22.04	4	7.13 - 22.13	656.91	10.91	-	No
MW24	34.25	4	14.17-34.17	644.38	26.11	-	No
MW25	32.96	4	12.81-32.81	645.57	23.40	-	No
MW26	32.52	4	13.54-33.54	646.65	22.40	-	No
MW27	38.74	4	13.56-38.56	649.00	23.19	-	No
MW28	38.74	4	13.62-38.62	650.64	22.97	-	No
MW29	39.11	4	14.05-39.05	652.34	22.75	-	No
MW30	39.79	4	14.67-39.67	652.83	34.99	-	No
MW31	39.28	4	14.11-39.11	653.97	33.65	-	No
MW32	34.02	4	8.95-33.95	655.83	11.95	-	No
BH01R	39.97	4	14.52-39.52	651.03	22.38	-	No
BH-2	35.00	2	20-35	653.77	29.51	-	No
BH-3	30.00	2	15-30	648.76	21.75	-	No
RW-1	30.00	3	15-30	650.42	23.23	-	No

**NOTES:**

feet<sup>1</sup> = Elevation is relative to NGVD88

bgs = below ground surface

PVC = polyvinyl chloride

BTOC = below top of casing

## Depth to Water/Depth to Product Measurements

Coleman Oil  
Wenatchee, Washington

Date: 8/6/2025

Well ID	Total Well Depth (feet bgs)	Well Diameter (inch)	Screened Interval (feet bgs)	Well Casing Elevation (feet <sup>1</sup> )	Depth to Water (feet BTOC)	Depth to Product (feet BTOC)	Sheen Detected (Yes/No)
MW-1	35.00	2	20-35	658.01	11.32	-	No
MW01S	19.99	4	5.37 - 20.37	657.54	11.40	-	No
MW-2	40.00	2	25-40	657.76	11.31	-	No
MW-3	35.00	2	25-35	658.26	7.58	-	No
MW03S	19.30	4	4.43 - 19.43	658.17	7.71	-	No
MW-4	37.00	2	27-37	657.48	15.80	-	No
MW-5	45.00	2	30-45	656.00	39.18	-	No
MW-6	18.00	4	8-18	657.70	10.83	-	No
MW-7	20.00	4	10-20	657.52	11.41	-	No
MW-8	25.00	4	15-25	656.20	15.18	-	No
MW09R	32.60	4	8.59-33.59	653.55	14.96	-	No
MW10R	33.59	4	14.64-34.64	644.30	21.41	-	No
MW-11	22.00	4	12-22	658.00	14.06	-	No
MW12	19.52	4	4.63 - 19.63	658.27	7.75	-	No
MW13R	18.46	4	4.23 - 18.23	656.67	9.70	-	No
MW14R	20.02	4	5.23 - 20.23	657.15	11.41	-	No
MW15	35.10	4	10.33 - 35.33	654.99	DRY	-	No
MW16	29.15	4	9.28 - 29.28	656.93	10.32	-	No
MW17	29.41	4	9.52 - 29.52	655.55	14.66	-	No
MW18	34.65	4	15.86 - 35.86	654.51	DRY	-	No
MW19	31.48	4	11.66 - 31.66	653.31	20.50	-	No
MW20	29.50	4	9.79 - 29.79	650.85	21.98	-	No
MW21	32.10	4	12.30 - 32.30	643.88	19.86	-	No
MW22	39.10	4	9.19 - 34.19	641.85	25.45	-	No
MW23	22.04	4	7.13 - 22.13	656.91	11.04	-	No
MW24	34.25	4	14.17-34.17	644.38	26.14	-	No
MW25	32.96	4	12.81-32.81	645.57	23.30	-	No
MW26	32.52	4	13.54-33.54	646.65	22.31	-	No
MW27	38.74	4	13.56-38.56	649.00	23.24	-	No
MW28	38.74	4	13.62-38.62	650.64	23.68	-	No
MW29	39.11	4	14.05-39.05	652.34	22.91	-	No
MW30	39.79	4	14.67-39.67	652.83	35.99	-	No
MW31	39.28	4	14.11-39.11	653.97	33.98	-	No
MW32	34.02	4	8.95-33.95	655.83	12.08	-	No
BH01R	39.97	4	14.52-39.52	651.03	23.20	-	No
BH-2	35.00	2	20-35	653.77	30.02	-	No
BH-3	30.00	2	15-30	648.76	22.34	-	No
RW-1	30.00	3	15-30	650.42	23.25	-	No

**NOTES:**

feet<sup>1</sup> = Elevation is relative to NGVD88

bgs = below ground surface

PVC = polyvinyl chloride

BTOC = below top of casing

## Depth to Water/Depth to Product Measurements

Coleman Oil  
Wenatchee, Washington

Date: 8/13/2025

Well ID	Total Well Depth (feet bgs)	Well Diameter (inch)	Screened Interval (feet bgs)	Well Casing Elevation (feet <sup>1</sup> )	Depth to Water (feet BTOC)	Depth to Product (feet BTOC)	Sheen Detected (Yes/No)
MW-1	35.00	2	20-35	658.01	11.32	-	No
MW01S	19.99	4	5.37 - 20.37	657.54	11.39	-	No
MW-2	40.00	2	25-40	657.76	11.29	-	No
MW-3	35.00	2	25-35	658.26	7.50	-	No
MW03S	19.30	4	4.43 - 19.43	658.17	7.75	-	No
MW-4	37.00	2	27-37	657.48	15.81	-	No
MW-5	45.00	2	30-45	656.00	38.66	-	No
MW-6	18.00	4	8-18	657.70	10.78	-	No
MW-7	20.00	4	10-20	657.52	11.58	-	No
MW-8	25.00	4	15-25	656.20	15.95	-	No
MW09R	32.60	4	8.59-33.59	653.55	15.22	-	No
MW10R	33.59	4	14.64-34.64	644.30	21.59	-	No
MW-11	22.00	4	12-22	658.00	14.02	-	No
MW12	19.52	4	4.63 - 19.63	658.27	7.70	-	No
MW13R	18.46	4	4.23 - 18.23	656.67	9.57	-	No
MW14R	20.02	4	5.23 - 20.23	657.15	11.38	-	No
MW15	35.10	4	10.33 - 35.33	654.99	DRY	-	No
MW16	29.15	4	9.28 - 29.28	656.93	10.31	-	No
MW17	29.41	4	9.52 - 29.52	655.55	14.34	-	No
MW18	34.65	4	15.86 - 35.86	654.51	DRY	-	No
MW19	31.48	4	11.66 - 31.66	653.31	22.95	-	No
MW20	29.50	4	9.79 - 29.79	650.85	22.57	-	No
MW21	32.10	4	12.30 - 32.30	643.88	19.95	-	No
MW22	39.10	4	9.19 - 34.19	641.85	25.18	-	No
MW23	22.04	4	7.13 - 22.13	656.91	11.11	-	No
MW24	34.25	4	14.17-34.17	644.38	25.99	-	No
MW25	32.96	4	12.81-32.81	645.57	22.00	-	No
MW26	32.52	4	13.54-33.54	646.65	22.41	-	No
MW27	38.74	4	13.56-38.56	649.00	23.59	-	No
MW28	38.74	4	13.62-38.62	650.64	23.75	-	No
MW29	39.11	4	14.05-39.05	652.34	24.00	-	No
MW30	39.79	4	14.67-39.67	652.83	34.89	-	No
MW31	39.28	4	14.11-39.11	653.97	34.05	-	No
MW32	34.02	4	8.95-33.95	655.83	12.25	-	No
BH01R	39.97	4	14.52-39.52	651.03	23.24	-	No
BH-2	35.00	2	20-35	653.77	28.64	-	No
BH-3	30.00	2	15-30	648.76	21.61	-	No
RW-1	30.00	3	15-30	650.42	23.28	-	No

**NOTES:**

feet<sup>1</sup> = Elevation is relative to NGVD88

bgs = below ground surface

PVC = polyvinyl chloride

BTOC = below top of casing



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 1, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 2, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 3, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

Note:

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 4, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 5, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

Note:

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 6, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

Note:

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 7, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By: <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 8, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 9, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 10, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 11, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 12, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 13, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Quarterly GW Sampling Event October 2024**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R: 27.60	MW09R: 27.75	BH01R: 33.55
MW24: 27.85	MW17: 25.40	MW29: 35.00
MW28: 25.55	MW32: 28.30	MW30: 34.90

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 14, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off? **Turned off July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	<b>Seeps</b>
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 15, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 16, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 17, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

**Groundwater/Product Extraction System**

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 18, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 19, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	<input type="text"/>
MW24:	MW17:	MW29:	<input type="text"/>
MW28:	MW32:	MW30:	<input type="text"/>

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 20, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 21, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 22, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 23, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 24, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 25, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 26, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	<div style="width: 100%; height: 10px; background-color: #d4edda;"></div>
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 27, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 28, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 29, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	<div style="width: 100%; height: 10px; background-color: #d4edda;"></div>
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 30, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>
MW24:	MW17:	MW29:
MW28:	MW32:	MW30:

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:



# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>July 31, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Agreed Order Number DE 15389
Prepared By:  <b>Jim Clayson</b>		

## DESCRIPTION OF SHEEN

**NO SHEEN**

Location:

Magnitude:

Description:

### Groundwater/Product Extraction System

On or OFF?

Last time it was turned off?

### Drawdown Level Set at Pumping Wells

MW10R: 27'	MW09R: 28'	BH01R: 34'
MW24: 27'	MW17: 25'	MW29: 33'
MW28: 33'	MW32: 28'	MW30: 33'

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

Note:

### Elevation of Columbia River and Seeps

River Gauge Elevation:	<b>618.57</b>	Seeps
River Level:	Above	SL01: 618.70
	<b>Below</b>	SL02: 618.57
		SL03: 619.11
		SL04: 618.84

Assessment:

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 1, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 2, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 3, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 4, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 5, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 6, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 7, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 8, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 9, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 10, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	Page: 1 of 1

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 11, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	<b>Agreed Order Number DE 15389</b>	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 12, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 13, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	Below	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 14, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R:	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

# River Level and Sheen Assessment

360.703.6079 / Fax 360.703.6086	<b>Coleman Oil Company - R99 Biodiesel Investigation</b>	Date: <b>August 15, 2025</b>
3925 NE 72nd Avenue, Suite 103, Vancouver, WA		Page: 1 of 1
Prepared By:  <b>Jim Clayson</b>	Agreed Order Number DE 15389	

## DESCRIPTION OF SHEEN

**NO SHEEN**

**Location:**

**Magnitude:**

**Description:**

### Groundwater Recirculation System

On or **OFF?**

Last time it was turned off? **Groundwater recirculation system was turned of on July 14, 2025**

### Drawdown Level Set at Pumping Wells

MW10R: NA	MW09R: NA	BH01R: NA	
MW24: NA	MW17: NA	MW29: NA	
MW28: NA	MW32: NA	MW30: NA	

**Pumps have been removed from the pumping wells**

### Actual Depth to Water at Pumping Wells

MW10R:	MW09R:	BH01R: <span style="background-color: #d4edda; padding: 2px;"> </span>	
MW24:	MW17:	MW29:	
MW28:	MW32:	MW30:	

**Note:**

**See monthly well gauging forms**

### Elevation of Columbia River and Seeps

<b>River Gauge Elevation:</b>	<b>618.57</b>	<b>Seeps</b>
<b>River Level:</b>	Above	<b>SL01: 618.70</b>
	<b>Below</b>	<b>SL02: 618.57</b>
		<b>SL03: 619.11</b>
		<b>SL04: 618.84</b>

**Assessment:**

**APPENDIX D**

**GROUNDWATER SAMPLE COLLECTION FORMS**



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW06

Project Name (Number): Coleman Oil Wenatchee  
 Project Number: 10019-001.00  
 Date: 8/14/25

Sample I.D.: MW06 Time: 0805  
 Field Duplicate I.D.: MW101 Time: "1205"  
 Personnel: PVP

### WELL INFORMATION

Monument condition:  Good  Needs repair: Needs Bolts.  Water in Monument  
 Well cap condition:  Good  Replaced  Needs Replacement  Surface Water Well Infiltration  
 Headspace reading:  Not measured PID Reading \_\_\_\_\_ ppm  Odor: HC  
 Well diameter:  2-inch  4-inch  6-inch  Other: \_\_\_\_\_  
 Comments: \_\_\_\_\_

### PURGING INFORMATION

Total well depth: 17.25' ~ Seds on probe (dark grey, HC odor).  
 Total well depth: 17.95 ft Bottom:  Hard  Soft  Not measured Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 10.78 ft Intake Depth (BTOC): \_\_\_\_\_ Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic  Centrifugal  Dedicated Bladder  Non-Dedicated Bladder Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_ Water Disposal:  Drummed  Remediation System  Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0735	10.79	0.20	19.6	0.541	0.72	6.26	-35.5	9.09
0740	10.81	0.15	20.0	0.540	0.59	6.21	-34.2	7.78
0745	10.80	" "	20.0	0.540	0.53	6.21	-34.1	8.10
0750	10.80	" "	19.7	0.539	0.35	6.20	-33.9	7.31
0755	" "	↓	19.7	0.538	0.32	6.20	-33.8	6.48
0800	Stable	↓	19.7	0.538	0.31	6.20	-33.7	6.33
0805	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<u>No</u> 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<u>No</u> 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Dup MW101 collected here.



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW08

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW08-W      Time: 1120  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 15.95 ft    Intake Depth (BTOC): 20'    Begin Purging Well: ~~1054~~ 1054  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: light odor, v light sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1101	16.09		19.1	.720	5.02	6.48	118.3	10.1
1104	16.16	0.200	18.2	.707	3.05	6.40	81.7	9.6
1107	16.22		18.1	.705	2.31	6.38	57.4	9.8
1110	16.30		18.2	.704	1.72	6.37	37.3	9.6
1113	16.33		18.2	.704	1.55	6.37	24.9	9.5
1116	16.38		18.3	.704	1.31	6.36	19.1	9.8
<div style="font-size: 2em; font-family: cursive;">Sample @ 1120</div>								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.  
 Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW09R

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW09R-W      Time: 1530  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/13/25      Personnel: CD

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Well vaulted, Pump removed 7/15

### PURGING INFORMATION

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 15.22 ft    Intake Depth (BTOC): 20'    Begin Purging Well: 1505  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: light sheen, organic odor

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1507	15.28		20.7	.827	5.62	6.76	143.7	15.8
1510	15.29		19.0	.811	4.08	6.43	144.0	15.8
1513	15.30		18.7	.810	3.32	6.37	132.5	16.0
1516	15.31	0.130	18.6	.814	2.81	6.36	121.6	16.1
1519	15.32		19.0	.822	2.44	6.36	111.9	16.7
1522	15.33		18.8	.827	2.07	6.37	100.7	17.2
Sample @ 1530								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.  
 Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW1012

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW1012-W Time: 1210  
 Project Number: 10019-001.00      Field Duplicate I.D.: MW102-W Time: 1230  
 Date: 8/14/25      Personnel: CD

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Vaulted well. Pump removed 7/15

### PURGING INFORMATION

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 21.59 ft    Intake Depth (BTOC): 25'    Begin Purging Well: 1146  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: light odor, No sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1149	21.87		17.3	.874	4.77	6.50	130.4	9.1
1152	21.97	0.190	17.4	.851	2.43	6.41	111.9	9.3
1155	22.00		17.5	.855	2.03	6.40	103.7	9.3
1158	22.03		17.4	.860	1.64	6.39	92.9	9.2
1201	22.05		17.5	.861	1.42	6.39	84.1	9.2
1204	22.06		17.4	.862	1.27	6.39	77.2	9.3

Sample @ 1210 / 1230

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3 <u>x2</u>	HCl	<u>No</u> 0.45 0.10	Gx, BTEX
1L Amber	2 <u>x2</u>	HCl	<u>No</u> 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW11

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW11      Time: 0900  
 Project Number: 10019-001.00      Field Duplicate I.D.: \_\_\_\_\_      Time: \_\_\_\_\_  
 Date: 8/14/25      Personnel: PVP

**WELL INFORMATION**

Monument condition:  Good     Needs repair: Missing Bolts.     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: Slight HC odor  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments Old J plug style cap, brittle wing nut.

**PURGING INFORMATION**

Total well depth: 21.71 ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 14.07 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0830	14.07	0.20	18.4	0.625	1.12	6.35	-21.7	2.02
0835	14.09	0.20	18.8	0.621	0.75*	6.33	-32.7	1.91
0840	14.08	" "	19.0	0.624	0.54	6.33	-44.9	2.07
0845	14.08	↓	19.0	0.624	0.39	6.33	-52.7	2.28
0850	" "	↓	18.9	0.624	0.35	6.33	-56.6	2.35
0855	" "	↓	18.9	0.624	0.31	6.33	-56.8	2.33
0900	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW13R

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW13R      Time: 1045  
 Project Number: 10019-001.00      Field Duplicate I.D.: \_\_\_\_\_      Time: \_\_\_\_\_  
 Date: 8/14/25      Personnel: PVP

**WELL INFORMATION**

Monument condition:  Good     Needs repair: Missing Bolts + gasket.     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: Slight  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: 18.48 ft    Bottom:  Hard  Soft  Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 9.57 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed  Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1010	9.4860	0.20	20.2	0.690	1.05	6.79	-42.9	1.83
1015	9.80	" "	19.3	0.684	0.50	6.73	-52.4	1.64
1020	9.90	0.18	19.1	0.681	0.38	6.72	-55.9	1.52
1025	9.97	" "	19.4	0.680	0.33	6.72	-58.8	1.48
1030	10.00	" "	19.4	0.678	0.29	6.73	-61.7	1.52
1035	10.05	" "	19.3	0.679	0.28	6.73	-62.5	1.51
1045	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<u>No</u> 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<u>No</u> 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW 14R

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW 14R      Time: 1000  
 Project Number: 10019-001.00      Field Duplicate I.D.: ---      Time: ---  
 Date: 8/14/25      Personnel: PVP

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: 16.95 ft    Bottom:  Hard  Soft  Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: --- ft  
 Depth to water: 11.38 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed  Remediation System     Other: \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0925	11.39	0.20	17.3	0.938	1.54	6.66	-25.9	4.40
0930	11.41	" "	18.6	0.936	0.85	6.69	-53.1	4.99
0935	11.42	" "	18.5	0.935	0.58	6.69	-64.6	5.05
40	11.41	↓	18.5	0.930	0.36	6.68	-78.5	6.40
45	11.41	↓	18.6	0.929	0.35	6.68	-79.4	6.73
50	" "	↓	18.6	0.928	0.35	6.68	-80.1	6.61
1000	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Minor sediment visible. (Fe?)



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW17

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW17-W      Time: 0950  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Vanital well. Pump removed 7/15/25

### PURGING INFORMATION

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 14.34 ft    Intake Depth (BTOC): 19'    Begin Purging Well: 0928  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other: \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: light odor, NO Sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0930	14.45		18.7	.696	4.79	6.46	97.5	22.6
0933	14.48	0.200	18.5	.692	2.88	6.43	88.7	24.5
0936	14.50		18.5	.690	2.21	6.42	81.8	27.3
0939	14.51		18.4	.692	1.76	6.41	74.6	30.9
0942	14.50		18.5	.695	1.50	6.41	67.0	32.4
0945	14.50		18.5	.699	1.35	6.40	60.9	30.1
<div style="font-size: 2em; font-family: cursive;">Sample @ 0950</div>								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW20

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW20-W      Time: 1310  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: - ft  
 Depth to water: 22.57 ft    Intake Depth (BTOC): 26'    Begin Purging Well: 1247  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other: \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1251	22.86		20.7	.783	3.40	6.56	125.0	3.7
1254	22.96	0.190	18.3	.756	2.27	6.37	130.5	13.4
1257	23.04		18.4	.749	1.82	6.32	130.4	17.0
1300	23.11		18.5	.751	1.59	6.30	130.9	13.0
1303	23.20		19.0	.761	1.51	6.31	128.9	14.4
1306	23.28		18.5	.763	1.33	6.32	122.3	13.1
Sample @ 1310								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.  
 Purging Comments: Orange algae in purge water

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW21

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW21-W      Time: 0815  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: New tubing used

**PURGING INFORMATION**

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: - ft  
 Depth to water: 19.95 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: 0751  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other: \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0754	20.07		17.1	.842	6.17	6.72	43.5	10.5
0757	20.10		16.2	.832	3.94	6.47	29.7	9.1
0800	20.12	0.175	16.0	.830	2.87	6.42	20.2	9.1
0803	20.14		16.1	.830	2.23	6.41	13.7	8.8
0806	20.15		16.1	.824	1.97	6.41	10.5	8.8
0809	20.16		16.1	.830	1.70	6.41	7.0	8.7
<div style="border: 2px solid blue; border-radius: 50%; padding: 10px; display: inline-block;">           Sample @ 0815         </div>								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW24

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW24-W      Time: 0900  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Vaulted well. Pump removed 7/15

### PURGING INFORMATION

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: - ft  
 Depth to water: 25.99 ft    Intake Depth (BTOC): 28'    Begin Purging Well: 0834  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0836	26.37		18.2	.827	5.93	6.54	83.2	20.9
0839	26.42	0.160	17.2	.812	3.93	6.48	86.3	9.9
0842	26.46		17.1	.813	3.25	6.46	85.7	9.7
0845	26.50		16.9	.811	2.90	6.46	85.2	9.6
0848	26.53		16.9	.810	2.69	6.45	82.8	9.7
0851	26.56		16.9	.811	2.52	6.45	81.2	9.5
<div style="font-size: 2em; font-family: cursive;">Sample @ 0900</div>								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW28

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW28      Time: 1235  
 Project Number: 10019-001.00      Field Duplicate I.D.: \_\_\_\_\_      Time: \_\_\_\_\_  
 Date: 8/14/25      Personnel: PVP

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments \_\_\_\_\_

### PURGING INFORMATION 38.53

Total well depth: 38.75 ft    Bottom:  Hard  Soft  Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 23.75 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed  Remediation System     Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1209	23.79	0.18	19.5	0.905	2.16	7.14	-30.0	3.63
1205	23.91	" "	18.9	0.899	2.07	6.98	-40.1	4.53
1210	23.99	" "	18.3	0.894	2.20	6.86	-54.6	5.05
1215	24.02	↓	18.0	0.893	1.47	6.85	-57.2	6.02
1220	24.04	↓	18.0	0.890	1.50	6.85	-59.0	6.11
1225	24.05	↓	18.0	0.890	1.48	6.85	-59.4	6.20
1235	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.  
 Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW29

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW29-W      Time: 1440  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/13/2025      Personnel: CS

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Well in vault. Pump removed 7/15

**PURGING INFORMATION**

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 24.00 ft    Intake Depth (BTOC): 27'    Begin Purging Well: 1413  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1416	24.25		19.8	.867	4.92	8.50	237.2	18.3
1417	24.31		18.5	.828	3.76	6.79	236.7	24.1
1422	24.32	0.175	18.6	.833	3.10	6.57	224.1	14.6
1425	24.38		18.7	.829	2.66	6.55	212.3	23.2
1428	24.47		18.8	.826	2.35	6.54	201.0	26.1
1431	24.52		18.8	.828	2.14	6.53	194.4	25.0
1434	24.56		18.7	.827	1.98	6.54	187.1	24.2

Sample @ 1440

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_

10019-001.00



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW30

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW30      Time: 1440  
 Project Number: 10019-001.00      Field Duplicate I.D.:             Time:         
 Date: 8/13/25      Personnel: PVD

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: 39.70 ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 34.87 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type     Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1405	35.19	0.10	16.4	1.034	0.94	6.59	11.3	23.10
1410	35.45	" "	16.5	1.029	0.75	6.54	1.8	20.90
1415	35.90	0.20	16.2	1.029	0.65	6.51	-4.8	20.47
1420	36.07	" "	15.9	1.027	0.62	6.50	-7.3	19.97
1425	36.12	" "	15.8	1.027	0.61	6.50	-7.5	19.99
1430	36.19	" "	15.9	1.027	0.60	6.50	-7.7	19.88
1440	<del>_____</del> <b>SAMPLE</b> <del>_____</del>							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<del>No</del> 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<del>No</del> 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: light gray color.



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: MW32

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: MW32-W      Time: 1035  
 Project Number: 10019-001.00      Field Duplicate I.D.: -      Time: -  
 Date: 8/14/25      Personnel: CD

**WELL INFORMATION**

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Vaulted well. Pump removed 7/15

**PURGING INFORMATION**

Total well depth: \_\_\_\_\_ ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 12.25 ft    Intake Depth (BTOC): 18'    Begin Purging Well: 1011  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X 0.65 gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type:  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other: \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1013	12.46		18.0	.972	5.54	6.45	108.9	8.79
1016	12.60	0.200	17.3	.966	3.29	6.42	112.1	8.7
1019	12.73	0.150 ↓	17.6	.967	2.22	6.40	113.0	8.8
1022	12.84		17.6	.966	1.83	6.40	113.7	8.8
1025	12.90		17.8	.967	1.62	6.40	114.3	8.7
1028	13.01		17.5	.968	1.43	6.40	115.3	8.8
Sample @ 1035								

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	No 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: BH01R

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: BH01R      Time: 1140  
 Project Number: 10019-001.00      Field Duplicate I.D.: ---      Time: ---  
 Date: 8/14/25      Personnel: PVP

### WELL INFORMATION

Monument condition:  Good     Needs repair: \_\_\_\_\_     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: Slight sulfur/Hc  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: Well vault caked in orange seeds (inside well also).

### PURGING INFORMATION

Total well depth: 38.75 ft    Bottom:  Hard  Soft  Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 23.24 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed  Remediation System     Other \_\_\_\_\_

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1110	23.29	0.18	18.9	0.874	0.86	6.53	-69.3	2.46
1115	23.40	0.16	18.3	0.877	0.64	6.53	-71.4	2.68
1120	23.47	" "	17.7	0.871	0.40	6.52	-79.9	16.51
1125	23.54	0.14	17.8	0.867	0.39	6.52	-83.8	20.05
1130	23.58	" "	18.3	0.861	0.38	6.51	-85.9	19.90
1135	23.60	" "	18.6	0.860	0.37	6.50	-86.3	19.04
1140	SAMPLE							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: Increasing Turbidity

### SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<u>No</u> 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<u>No</u> 0.45 0.10	Dx
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE COLLECTION

Well I.D. Number: BH02

Project Name (Number): Coleman Oil Wenatchee      Sample I.D.: BH02      Time: 1550  
 Project Number: 10019-001.00      Field Duplicate I.D.: —      Time: —  
 Date: 8/13/25      Personnel: PP

**WELL INFORMATION**

Monument condition:  Good     Needs repair: Missing bolts     Water in Monument  
 Well cap condition:  Good     Replaced     Needs Replacement     Surface Water Well Infiltration  
 Headspace reading:  Not measured    PID Reading \_\_\_\_\_ ppm     Odor: Slight  
 Well diameter:     2-inch     4-inch     6-inch     Other: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**PURGING INFORMATION**

Total well depth: 34.90 ft    Bottom:  Hard  Soft  Not measured    Screen Interval(s): \_\_\_\_\_  
 Depth to product: \_\_\_\_\_ ft  
 Depth to water: 28.65 ft    Intake Depth (BTOC): \_\_\_\_\_    Begin Purging Well: \_\_\_\_\_  
 Casing volume: \_\_\_\_\_ ft (H<sub>2</sub>O) X \_\_\_\_\_ gal/ft = \_\_\_\_\_ gal. X 3 = \_\_\_\_\_ gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

**PURGING/DISPOSAL METHOD**

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other \_\_\_\_\_

**FIELD PARAMETERS** Odor and/or Sheen: \_\_\_\_\_

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1520	28.65	0.20	20.0	0.776	3.10	6.71	-4.9	14.96
1525	28.68	" "	17.0	0.759	2.02	6.59	-19.9	29.90
1530	29.63	" "	15.8	0.757	1.64	6.51	-22.6	34.60
1535	30.13	" "	16.8	0.771	1.40	6.47	-34.9	44.71
1540	30.50	" "	15.5	0.764	1.59	6.47	-39.6	55.04
1545	30.72	" "	15.5	0.765	1.61	6.47	-40.1	53.01
1550	<b>SAMPLE</b>							

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: Degraded sheen, slight odor.

**SAMPLE INFORMATION**

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Gx, BTEX
1L Amber	2	HCl	<input checked="" type="checkbox"/> No 0.45 0.10	Dx
			<input type="checkbox"/> No 0.45 0.10	
			<input type="checkbox"/> No 0.45 0.10	
			<input type="checkbox"/> No 0.45 0.10	

Sampling Comments: Paused controller for WL to recover before sampling

## **APPENDIX E**

### **LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION**



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Friday, September 5, 2025

Craig Hultgren
ACC Environmental Consultants, Inc.
3925 NE 72nd Ave. Suite 103
Vancouver, WA 98661

RE: A5H1318 - Coleman Oil - 10019-001.00

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A5H1318, which was received by the laboratory on 8/15/2025 at 5:45:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: mpoquiz@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Table with 2 columns: Cooler#, Temperature (degC). Includes header 'Cooler Receipt Information' and a note: 'Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.' Data rows: Cooler#1 (0.3 degC), Cooler#2 (4.8 degC), Cooler#3 (0.6 degC), Cooler#4 (3.4 degC).

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report. All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Handwritten signature of Michele Poquiz

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**ANALYTICAL REPORT FOR SAMPLES**

**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW06	A5H1318-01	Water	08/14/25 08:05	08/15/25 17:45
MW09 R	A5H1318-02	Water	08/13/25 15:30	08/15/25 17:45
MW08	A5H1318-03	Water	08/14/25 11:20	08/15/25 17:45
MW10 R	A5H1318-04	Water	08/14/25 12:10	08/15/25 17:45
MW11	A5H1318-05	Water	08/14/25 09:00	08/15/25 17:45
MW13 R	A5H1318-06	Water	08/14/25 10:45	08/15/25 17:45
MW14 R	A5H1318-07	Water	08/14/25 10:00	08/15/25 17:45
MW17	A5H1318-08	Water	08/14/25 09:50	08/15/25 17:45
MW20	A5H1318-09	Water	08/14/25 13:10	08/15/25 17:45
MW21	A5H1318-10	Water	08/14/25 08:15	08/15/25 17:45
MW24	A5H1318-11	Water	08/14/25 09:00	08/15/25 17:45
MW28	A5H1318-12	Water	08/14/25 12:35	08/15/25 17:45
MW29	A5H1318-13	Water	08/13/25 14:40	08/15/25 17:45
MW30	A5H1318-14	Water	08/13/25 14:40	08/15/25 17:45
MW32	A5H1318-15	Water	08/14/25 10:35	08/15/25 17:45
BH01 R	A5H1318-16	Water	08/14/25 11:40	08/15/25 17:45
BH02	A5H1318-17	Water	08/13/25 15:50	08/15/25 17:45
MW101	A5H1318-18	Water	08/14/25 12:05	08/15/25 17:45
MW102	A5H1318-19	Water	08/14/25 12:30	08/15/25 17:45
TRIP BLANK	A5H1318-20	Water	08/13/25 00:00	08/15/25 17:45

Apex Laboratories

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Michele Poquiz For Kurt Johnson, Senior Chemist



**ANALYTICAL REPORT**

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**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**ANALYTICAL CASE NARRATIVE**

Work Order: **A5H1318**

**Apex Laboratories**

Amended Report Revision 1:

Sample Identification Change-

This report supersedes all previous reports.

As requested, the following sample IDs have been edited from the original chain of custody:

- Apex Lab ID A5H1318-02: MW09 R-W has been changed to MW09 R
- Apex Lab ID A5H1318-03: MW08-W has been changed to MW08
- Apex Lab ID A5H1318-04: MW10 R-W has been changed to MW10 R
- Apex Lab ID A5H1318-08: MW17-W has been changed to MW17
- Apex Lab ID A5H1318-09: MW20-W has been changed to MW20
- Apex Lab ID A5H1318-10: MW21-W has been changed to MW21
- Apex Lab ID A5H1318-11: MW24-W has been changed to MW24
- Apex Lab ID A5H1318-13: MW29-W has been changed to MW29
- Apex Lab ID A5H1318-15: MW32-W has been changed to MW32
- Apex Lab ID A5H1318-19: MW102-W has been changed to MW102

Michele Poquiz

Forensics Project Manager

September 3, 2025

Apex Laboratories

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Michele Poquiz For Kurt Johnson, Senior Chemist



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW06 (A5H1318-01)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>939</b>	---	84.2	ug/L	1	08/19/25 21:51	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	168	ug/L	1	08/19/25 21:51	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 82 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 21:51</i>	<i>NWTPH-Dx LL</i>	
<b>MW09 R (A5H1318-02)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>3610</b>	---	74.8	ug/L	1	08/19/25 22:12	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	150	ug/L	1	08/19/25 22:12	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 76 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 22:12</i>	<i>NWTPH-Dx LL</i>	
<b>MW08 (A5H1318-03)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1890</b>	---	75.5	ug/L	1	08/19/25 22:53	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	151	ug/L	1	08/19/25 22:53	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 82 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 22:53</i>	<i>NWTPH-Dx LL</i>	
<b>MW10 R (A5H1318-04)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>2090</b>	---	76.2	ug/L	1	08/19/25 23:13	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	152	ug/L	1	08/19/25 23:13	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 89 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 23:13</i>	<i>NWTPH-Dx LL</i>	
<b>MW11 (A5H1318-05)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1080</b>	---	86.0	ug/L	1	08/19/25 23:55	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	172	ug/L	1	08/19/25 23:55	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 78 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 23:55</i>	<i>NWTPH-Dx LL</i>	
<b>MW13 R (A5H1318-06)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>3980</b>	---	84.2	ug/L	1	08/20/25 00:15	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	168	ug/L	1	08/20/25 00:15	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 83 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 00:15</i>	<i>NWTPH-Dx LL</i>	
<b>MW14 R (A5H1318-07)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>2650</b>	---	76.9	ug/L	1	08/20/25 00:56	NWTPH-Dx LL	<b>F-11, F-13</b>
Oil	ND	---	154	ug/L	1	08/20/25 00:56	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 87 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 00:56</i>	<i>NWTPH-Dx LL</i>	

Apex Laboratories

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW17 (A5H1318-08)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1520</b>	---	76.2	ug/L	1	08/20/25 01:37	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	152	ug/L	1	08/20/25 01:37	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 79 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 01:37</i>	<i>NWTPH-Dx LL</i>	
<b>MW20 (A5H1318-09)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1400</b>	---	76.9	ug/L	1	08/20/25 03:20	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	154	ug/L	1	08/20/25 03:20	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 76 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 03:20</i>	<i>NWTPH-Dx LL</i>	
<b>MW21 (A5H1318-10)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1850</b>	---	76.9	ug/L	1	08/20/25 03:41	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	154	ug/L	1	08/20/25 03:41	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 84 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 03:41</i>	<i>NWTPH-Dx LL</i>	
<b>MW24 (A5H1318-11)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>614</b>	---	75.5	ug/L	1	08/20/25 04:22	NWTPH-Dx LL	<b>F-11, F-13</b>
Oil	ND	---	151	ug/L	1	08/20/25 04:22	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 74 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 04:22</i>	<i>NWTPH-Dx LL</i>	
<b>MW28 (A5H1318-12)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>675</b>	---	80.0	ug/L	1	08/20/25 05:03	NWTPH-Dx LL	<b>F-11, F-13</b>
Oil	ND	---	160	ug/L	1	08/20/25 05:03	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 88 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 05:03</i>	<i>NWTPH-Dx LL</i>	
<b>MW29 (A5H1318-13)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1040</b>	---	76.9	ug/L	1	08/20/25 06:07	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	154	ug/L	1	08/20/25 06:07	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 61 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 06:07</i>	<i>NWTPH-Dx LL</i>	
<b>MW30 (A5H1318-14)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>885</b>	---	79.2	ug/L	1	08/20/25 06:51	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	158	ug/L	1	08/20/25 06:51	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 99 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 06:51</i>	<i>NWTPH-Dx LL</i>	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW32 (A5H1318-15)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1160</b>	---	76.2	ug/L	1	08/20/25 08:00	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	152	ug/L	1	08/20/25 08:00	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 93 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 08:00</i>	<i>NWTPH-Dx LL</i>	
<b>BH01 R (A5H1318-16)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>2620</b>	---	88.9	ug/L	1	08/20/25 08:48	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	178	ug/L	1	08/20/25 08:48	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 98 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 08:48</i>	<i>NWTPH-Dx LL</i>	
<b>BH02 (A5H1318-17)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1140</b>	---	84.2	ug/L	1	08/20/25 09:38	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	168	ug/L	1	08/20/25 09:38	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 80 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 09:38</i>	<i>NWTPH-Dx LL</i>	
<b>MW101 (A5H1318-18)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>1130</b>	---	75.5	ug/L	1	08/20/25 10:53	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	151	ug/L	1	08/20/25 10:53	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 93 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 10:53</i>	<i>NWTPH-Dx LL</i>	
<b>MW102 (A5H1318-19)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0614</b>		
Diesel	<b>2120</b>	---	76.9	ug/L	1	08/20/25 11:47	NWTPH-Dx LL	<b>F-13</b>
Oil	ND	---	154	ug/L	1	08/20/25 11:47	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 90 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/20/25 11:47</i>	<i>NWTPH-Dx LL</i>	

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW06 (A5H1318-01)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	244	---	84.2	ug/L	1	08/21/25 17:56	NWTPH-Dx/SGC	F-13
Oil	ND	---	168	ug/L	1	08/21/25 17:56	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 17:56 NWTPH-Dx/SGC</i>		
<b>MW09 R (A5H1318-02)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	700	---	74.8	ug/L	1	08/21/25 18:38	NWTPH-Dx/SGC	F-13
Oil	ND	---	150	ug/L	1	08/21/25 18:38	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 18:38 NWTPH-Dx/SGC</i>		
<b>MW08 (A5H1318-03)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	418	---	75.5	ug/L	1	08/21/25 19:19	NWTPH-Dx/SGC	F-13
Oil	ND	---	151	ug/L	1	08/21/25 19:19	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 19:19 NWTPH-Dx/SGC</i>		
<b>MW10 R (A5H1318-04)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	321	---	76.2	ug/L	1	08/21/25 20:00	NWTPH-Dx/SGC	F-13
Oil	ND	---	152	ug/L	1	08/21/25 20:00	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 20:00 NWTPH-Dx/SGC</i>		
<b>MW11 (A5H1318-05)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	223	---	86.0	ug/L	1	08/21/25 20:42	NWTPH-Dx/SGC	F-13
Oil	ND	---	172	ug/L	1	08/21/25 20:42	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 20:42 NWTPH-Dx/SGC</i>		
<b>MW13 R (A5H1318-06)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	796	---	84.2	ug/L	1	08/21/25 21:23	NWTPH-Dx/SGC	F-13
Oil	ND	---	168	ug/L	1	08/21/25 21:23	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 21:23 NWTPH-Dx/SGC</i>		
<b>MW14 R (A5H1318-07)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	131	---	76.9	ug/L	1	08/21/25 22:04	NWTPH-Dx/SGC	F-11
Oil	ND	---	154	ug/L	1	08/21/25 22:04	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 50-150 %</i>		<i>1 08/21/25 22:04 NWTPH-Dx/SGC</i>		

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW17 (A5H1318-08)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	236	---	76.2	ug/L	1	08/21/25 22:45	NWTPH-Dx/SGC	F-13
Oil	ND	---	152	ug/L	1	08/21/25 22:45	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 87 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/21/25 22:45</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW20 (A5H1318-09RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	98.5	---	76.9	ug/L	1	08/22/25 11:06	NWTPH-Dx/SGC	F-13
Oil	ND	---	154	ug/L	1	08/22/25 11:06	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 54 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 11:06</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW21 (A5H1318-10RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	217	---	76.9	ug/L	1	08/22/25 11:47	NWTPH-Dx/SGC	F-13
Oil	ND	---	154	ug/L	1	08/22/25 11:47	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 72 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 11:47</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW24 (A5H1318-11RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	ND	---	75.5	ug/L	1	08/22/25 12:29	NWTPH-Dx/SGC	
Oil	ND	---	151	ug/L	1	08/22/25 12:29	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 64 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 12:29</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW28 (A5H1318-12RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	ND	---	80.0	ug/L	1	08/22/25 13:10	NWTPH-Dx/SGC	
Oil	ND	---	160	ug/L	1	08/22/25 13:10	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 81 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 13:10</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW29 (A5H1318-13RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	123	---	76.9	ug/L	1	08/22/25 13:51	NWTPH-Dx/SGC	F-13
Oil	ND	---	154	ug/L	1	08/22/25 13:51	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 57 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 13:51</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW30 (A5H1318-14RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	211	---	79.2	ug/L	1	08/22/25 14:33	NWTPH-Dx/SGC	F-13
Oil	ND	---	158	ug/L	1	08/22/25 14:33	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 89 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 14:33</i>	<i>NWTPH-Dx/SGC</i>	

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**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW32 (A5H1318-15RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	ND	---	76.2	ug/L	1	08/22/25 15:52	NWTPH-Dx/SGC	
Oil	ND	---	152	ug/L	1	08/22/25 15:52	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 90 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 15:52</i>	<i>NWTPH-Dx/SGC</i>	
<b>BH01 R (A5H1318-16RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	<b>1380</b>	---	88.9	ug/L	1	08/22/25 16:34	NWTPH-Dx/SGC	<b>F-13</b>
Oil	ND	---	178	ug/L	1	08/22/25 16:34	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 83 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 16:34</i>	<i>NWTPH-Dx/SGC</i>	
<b>BH02 (A5H1318-17RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	<b>129</b>	---	84.2	ug/L	1	08/22/25 17:15	NWTPH-Dx/SGC	<b>F-13</b>
Oil	ND	---	168	ug/L	1	08/22/25 17:15	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 73 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 17:15</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW101 (A5H1318-18RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	<b>243</b>	---	75.5	ug/L	1	08/22/25 17:56	NWTPH-Dx/SGC	<b>F-13</b>
Oil	ND	---	151	ug/L	1	08/22/25 17:56	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 79 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 17:56</i>	<i>NWTPH-Dx/SGC</i>	
<b>MW102 (A5H1318-19RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0721</b>		
Diesel	<b>316</b>	---	76.9	ug/L	1	08/22/25 18:38	NWTPH-Dx/SGC	<b>F-13</b>
Oil	ND	---	154	ug/L	1	08/22/25 18:38	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>			<i>Recovery: 86 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/22/25 18:38</i>	<i>NWTPH-Dx/SGC</i>	

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ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW06 (A5H1318-01)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>148</b>	---	100	ug/L	1	08/19/25 13:39	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 104 %	Limits: 50-150 %	1	1	08/19/25 13:39	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		112 %	50-150 %	1	1	08/19/25 13:39	NWTPH-Gx (MS)	
<b>MW09 R (A5H1318-02)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>1090</b>	---	100	ug/L	1	08/19/25 14:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 103 %	Limits: 50-150 %	1	1	08/19/25 14:01	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		112 %	50-150 %	1	1	08/19/25 14:01	NWTPH-Gx (MS)	
<b>MW08 (A5H1318-03)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>189</b>	---	100	ug/L	1	08/19/25 14:23	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 102 %	Limits: 50-150 %	1	1	08/19/25 14:23	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		110 %	50-150 %	1	1	08/19/25 14:23	NWTPH-Gx (MS)	
<b>MW10 R (A5H1318-04)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>600</b>	---	100	ug/L	1	08/19/25 14:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 104 %	Limits: 50-150 %	1	1	08/19/25 14:45	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		109 %	50-150 %	1	1	08/19/25 14:45	NWTPH-Gx (MS)	
<b>MW11 (A5H1318-05)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>444</b>	---	100	ug/L	1	08/19/25 15:06	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 100 %	Limits: 50-150 %	1	1	08/19/25 15:06	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		110 %	50-150 %	1	1	08/19/25 15:06	NWTPH-Gx (MS)	
<b>MW13 R (A5H1318-06)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>1300</b>	---	100	ug/L	1	08/19/25 20:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	1	08/19/25 20:03	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		108 %	50-150 %	1	1	08/19/25 20:03	NWTPH-Gx (MS)	
<b>MW14 R (A5H1318-07)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>ND</b>	---	100	ug/L	1	08/19/25 15:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	1	08/19/25 15:28	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)		109 %	50-150 %	1	1	08/19/25 15:28	NWTPH-Gx (MS)	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW17 (A5H1318-08)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>986</b>	---	100	ug/L	1	08/19/25 15:49	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 15:49</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>108 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 15:49</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW20 (A5H1318-09)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	ND	---	100	ug/L	1	08/19/25 16:10	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:10</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>109 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:10</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW21 (A5H1318-10)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>679</b>	---	100	ug/L	1	08/19/25 16:31	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:31</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>107 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:31</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW24 (A5H1318-11)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	ND	---	100	ug/L	1	08/19/25 16:52	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:52</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>110 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 16:52</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW28 (A5H1318-12)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	ND	---	100	ug/L	1	08/19/25 19:21	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 100 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 19:21</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>111 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 19:21</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW29 (A5H1318-13)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	<b>126</b>	---	100	ug/L	1	08/19/25 17:13	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 100 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 17:13</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>109 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 17:13</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW30 (A5H1318-14)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Gasoline Range Organics</b>	ND	---	100	ug/L	1	08/19/25 17:35	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 100 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 17:35</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>		<i>109 %</i>	<i>50-150 %</i>	<i>1</i>	<i>1</i>	<i>08/19/25 17:35</i>	<i>NWTPH-Gx (MS)</i>	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
 Tigard, OR 97223  
 503-718-2323  
 ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW32 (A5H1318-15)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	08/19/25 17:56	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 102 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 17:56</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>			<i>111 %</i>	<i>50-150 %</i>	<i>1</i>	<i>08/19/25 17:56</i>	<i>NWTPH-Gx (MS)</i>	
<b>BH01 R (A5H1318-16)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Gasoline Range Organics	<b>156</b>	---	100	ug/L	1	08/19/25 18:17	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 102 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 18:17</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>			<i>111 %</i>	<i>50-150 %</i>	<i>1</i>	<i>08/19/25 18:17</i>	<i>NWTPH-Gx (MS)</i>	
<b>BH02 (A5H1318-17)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	08/19/25 18:38	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 100 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 18:38</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>			<i>109 %</i>	<i>50-150 %</i>	<i>1</i>	<i>08/19/25 18:38</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW101 (A5H1318-18)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Gasoline Range Organics	<b>151</b>	---	100	ug/L	1	08/19/25 18:59	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 18:59</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>			<i>109 %</i>	<i>50-150 %</i>	<i>1</i>	<i>08/19/25 18:59</i>	<i>NWTPH-Gx (MS)</i>	
<b>MW102 (A5H1318-19)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Gasoline Range Organics	<b>568</b>	---	100	ug/L	1	08/19/25 20:45	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 101 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>08/19/25 20:45</i>	<i>NWTPH-Gx (MS)</i>	
<i>1,4-Difluorobenzene (Sur)</i>			<i>108 %</i>	<i>50-150 %</i>	<i>1</i>	<i>08/19/25 20:45</i>	<i>NWTPH-Gx (MS)</i>	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW06 (A5H1318-01)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 13:39	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 13:39	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 13:39	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 13:39	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 13:39	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 13:39</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 13:39</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 13:39</i>	<i>EPA 8260D</i>
<b>MW09 R (A5H1318-02)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 14:01	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 14:01	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 14:01	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 14:01	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 14:01	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 14:01</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 14:01</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>95 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 14:01</i>	<i>EPA 8260D</i>
<b>MW08 (A5H1318-03)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 14:23	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 14:23	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 14:23	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 14:23	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 14:23	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 14:23</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 14:23</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 14:23</i>	<i>EPA 8260D</i>
<b>MW10 R (A5H1318-04)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 14:45	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 14:45	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 14:45	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 14:45	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 14:45	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 14:45</i>	<i>EPA 8260D</i>

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW10 R (A5H1318-04)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<i>Toluene-d8 (Surr)</i>			100 %	80-120 %	1	08/19/25 14:45	EPA 8260D	
<i>4-Bromofluorobenzene (Surr)</i>			98 %	80-120 %	1	08/19/25 14:45	EPA 8260D	
<b>MW11 (A5H1318-05)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 15:06	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 15:06	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 15:06	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 15:06	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 15:06	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>			Recovery: 104 %	Limits: 80-120 %	1	08/19/25 15:06	EPA 8260D	
<i>Toluene-d8 (Surr)</i>			99 %	80-120 %	1	08/19/25 15:06	EPA 8260D	
<i>4-Bromofluorobenzene (Surr)</i>			95 %	80-120 %	1	08/19/25 15:06	EPA 8260D	
<b>MW13 R (A5H1318-06)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Benzene</b>	<b>45.5</b>	---	0.200	ug/L	1	08/19/25 20:03	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 20:03	EPA 8260D	
<b>Ethylbenzene</b>	<b>1.61</b>	---	0.500	ug/L	1	08/19/25 20:03	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 20:03	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 20:03	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>			Recovery: 100 %	Limits: 80-120 %	1	08/19/25 20:03	EPA 8260D	
<i>Toluene-d8 (Surr)</i>			104 %	80-120 %	1	08/19/25 20:03	EPA 8260D	
<i>4-Bromofluorobenzene (Surr)</i>			96 %	80-120 %	1	08/19/25 20:03	EPA 8260D	
<b>MW14 R (A5H1318-07)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 15:28	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 15:28	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 15:28	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 15:28	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 15:28	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>			Recovery: 103 %	Limits: 80-120 %	1	08/19/25 15:28	EPA 8260D	
<i>Toluene-d8 (Surr)</i>			103 %	80-120 %	1	08/19/25 15:28	EPA 8260D	
<i>4-Bromofluorobenzene (Surr)</i>			98 %	80-120 %	1	08/19/25 15:28	EPA 8260D	
<b>MW17 (A5H1318-08)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
<b>Benzene</b>	<b>1.59</b>	---	0.200	ug/L	1	08/19/25 15:49	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 15:49	EPA 8260D	

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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW17 (A5H1318-08)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Ethylbenzene	1.15	---	0.500	ug/L	1	08/19/25 15:49	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 15:49	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 15:49	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 15:49</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 15:49</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 15:49</i>	<i>EPA 8260D</i>
<b>MW20 (A5H1318-09)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 16:10	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 16:10	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 16:10	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 16:10	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 16:10	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 16:10</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:10</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:10</i>	<i>EPA 8260D</i>
<b>MW21 (A5H1318-10)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 16:31	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 16:31	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 16:31	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 16:31	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 16:31	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 16:31</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:31</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:31</i>	<i>EPA 8260D</i>
<b>MW24 (A5H1318-11)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 16:52	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 16:52	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 16:52	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 16:52	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 16:52	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 16:52</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:52</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 16:52</i>	<i>EPA 8260D</i>

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW24 (A5H1318-11)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 19:21	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 19:21	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 19:21	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 19:21	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 19:21	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 19:21</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 19:21</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 19:21</i>	<i>EPA 8260D</i>
<b>MW28 (A5H1318-12)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 17:13	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 17:13	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 17:13	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 17:13	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 17:13	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 17:13</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 17:13</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 17:13</i>	<i>EPA 8260D</i>
<b>MW29 (A5H1318-13)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 17:35	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 17:35	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 17:35	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 17:35	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 17:35	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 17:35</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 17:35</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 17:35</i>	<i>EPA 8260D</i>
<b>MW30 (A5H1318-14)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 17:56	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 17:56	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 17:56	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 17:56	EPA 8260D	

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**Apex Laboratories, LLC**

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW32 (A5H1318-15)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 17:56	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>08/19/25 17:56</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 17:56</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 17:56</i>	<i>EPA 8260D</i>	
<b>BH01 R (A5H1318-16)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 18:17	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 18:17	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 18:17	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 18:17	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 18:17	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>08/19/25 18:17</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:17</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:17</i>	<i>EPA 8260D</i>	
<b>BH02 (A5H1318-17)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 18:38	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 18:38	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 18:38	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 18:38	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 18:38	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>08/19/25 18:38</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:38</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>95 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:38</i>	<i>EPA 8260D</i>	
<b>MW101 (A5H1318-18)</b>				<b>Matrix: Water</b>		<b>Batch: 25H0615</b>		
Benzene	ND	---	0.200	ug/L	1	08/19/25 18:59	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 18:59	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 18:59	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 18:59	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 18:59	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>08/19/25 18:59</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:59</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>	<i>1</i>	<i>08/19/25 18:59</i>	<i>EPA 8260D</i>	

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503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**ANALYTICAL SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW102 (A5H1318-19)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 20:45	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 20:45	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 20:45	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 20:45	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/19/25 20:45	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 20:45</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 20:45</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 20:45</i>	<i>EPA 8260D</i>
<b>TRIP BLANK (A5H1318-20)</b>			<b>Matrix: Water</b>		<b>Batch: 25H0615</b>			
Benzene	ND	---	0.200	ug/L	1	08/19/25 13:17	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/19/25 13:17	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/19/25 13:17	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	08/19/25 13:17	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>08/19/25 13:17</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 13:17</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>08/19/25 13:17</i>	<i>EPA 8260D</i>

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 25H0614 - EPA 3510C (Fuels/Acid Ext.)</b>						<b>Water</b>						
<b>Blank (25H0614-BLK1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/19/25 20:49										
<u>NWTPH-Dx LL</u>												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 82 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS (25H0614-BS1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/19/25 21:10										
<u>NWTPH-Dx LL</u>												
Diesel	267	---	80.0	ug/L	1	500	---	53	36 - 132%	---	---	
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 85 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS Dup (25H0614-BSD1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/19/25 21:30										<b>Q-19</b>
<u>NWTPH-Dx LL</u>												
Diesel	338	---	80.0	ug/L	1	500	---	68	36 - 132%	23	30%	
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 92 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					

*No Client related Batch QC samples analyzed for this batch. See notes page for more information.*

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 25H0721 - EPA 3510C (Fuels/Acid Ext.) w/SGC</b>						<b>Water</b>						
<b>Blank (25H0721-BLK1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/21/25 16:54										
<u>NWTPH-Dx/SGC</u>												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	---
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	---
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 92 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS (25H0721-BS1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/21/25 17:15										
<u>NWTPH-Dx/SGC</u>												
Diesel	279	---	80.0	ug/L	1	500	---	56	36 - 132%	---	---	---
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 90 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS Dup (25H0721-BSD1)</b>		Prepared: 08/19/25 07:51 Analyzed: 08/21/25 17:36										
<u>NWTPH-Dx/SGC</u>												
Diesel	352	---	80.0	ug/L	1	500	---	70	36 - 132%	23	30%	<b>Q-19</b>
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 98 %</i>			<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					

*No Client related Batch QC samples analyzed for this batch. See notes page for more information.*

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 25H0615 - EPA 5030C</b>						<b>Water</b>						
<b>Blank (25H0615-BLK1)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 12:56										
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	---
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 100 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>110 %</i>		<i>50-150 %</i>		<i>"</i>						
<b>LCS (25H0615-BS2)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 12:34										
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	460	---	100	ug/L	1	500	---	92	80 - 120%	---	---	---
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 94 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>104 %</i>		<i>50-150 %</i>		<i>"</i>						
<b>Duplicate (25H0615-DUP1)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 20:24										
<u>QC Source Sample: MW13 R (A5H1318-06)</u>												
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	1170	---	100	ug/L	1	---	1300	---	---	11	30%	---
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 101 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>109 %</i>		<i>50-150 %</i>		<i>"</i>						
<b>Duplicate (25H0615-DUP2)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 19:42										
<u>QC Source Sample: MW28 (A5H1318-12)</u>												
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	100	ug/L	1	---	ND	---	---	---	30%	---
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 100 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>111 %</i>		<i>50-150 %</i>		<i>"</i>						

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503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 25H0615 - EPA 5030C</b>						<b>Water</b>						
<b>Blank (25H0615-BLK1)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 12:56										
<b>EPA 8260D</b>												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	---
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	---
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	---
Naphthalene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	---
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>						
<b>LCS (25H0615-BS1)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 12:03										
<b>EPA 8260D</b>												
Benzene	21.1	---	0.200	ug/L	1	20.0	---	106	80 - 120%	---	---	---
Toluene	19.7	---	1.00	ug/L	1	20.0	---	98	80 - 120%	---	---	---
Ethylbenzene	20.2	---	0.500	ug/L	1	20.0	---	101	80 - 120%	---	---	---
Xylenes, total	63.2	---	1.50	ug/L	1	60.0	---	105	80 - 120%	---	---	---
Naphthalene	19.1	---	5.00	ug/L	1	20.0	---	96	80 - 120%	---	---	---
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>93 %</i>		<i>80-120 %</i>		<i>"</i>						
<b>Duplicate (25H0615-DUP1)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 20:24										
<b>QC Source Sample: MW13 R (A5H1318-06)</b>												
<b>EPA 8260D</b>												
Benzene	<b>48.0</b>	---	0.200	ug/L	1	---	45.5	---	---	5	30%	---
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	---
Ethylbenzene	<b>1.75</b>	---	0.500	ug/L	1	---	1.61	---	---	8	30%	---
Xylenes, total	ND	---	1.50	ug/L	1	---	0.750	---	---	***	30%	---
Naphthalene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	---
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>						

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**BTEX+N Compounds by EPA 8260D**

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 25H0615 - EPA 5030C</b>						<b>Water</b>						
<b>Duplicate (25H0615-DUP2)</b>		Prepared: 08/19/25 07:57 Analyzed: 08/19/25 19:42										
<b>QC Source Sample: MW28 (A5H1318-12)</b>												
<b>EPA 8260D</b>												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>"</i>						

<b>Matrix Spike (25H0615-MS1)</b>						Prepared: 08/19/25 07:57 Analyzed: 08/19/25 21:07						
<b>QC Source Sample: MW102 (A5H1318-19)</b>												
<b>EPA 8260D</b>												
Benzene	22.2	---	0.200	ug/L	1	20.0	ND	111	79 - 120%	---	---	
Toluene	20.4	---	1.00	ug/L	1	20.0	ND	102	80 - 121%	---	---	
Ethylbenzene	21.1	---	0.500	ug/L	1	20.0	ND	106	79 - 121%	---	---	
Xylenes, total	66.7	---	1.50	ug/L	1	60.0	ND	111	79 - 121%	---	---	
Naphthalene	24.4	---	5.00	ug/L	1	20.0	ND	122	61 - 128%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>95 %</i>		<i>80-120 %</i>		<i>"</i>						

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503-718-2323

ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**SAMPLE PREPARATION INFORMATION**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25H0614</u>							
A5H1318-01	Water	NWTPH-Dx LL	08/14/25 08:05	08/19/25 07:51	950mL/2mL	1000mL/2mL	1.05
A5H1318-02	Water	NWTPH-Dx LL	08/13/25 15:30	08/19/25 07:51	1070mL/2mL	1000mL/2mL	0.94
A5H1318-03	Water	NWTPH-Dx LL	08/14/25 11:20	08/19/25 07:51	1060mL/2mL	1000mL/2mL	0.94
A5H1318-04	Water	NWTPH-Dx LL	08/14/25 12:10	08/19/25 07:51	1050mL/2mL	1000mL/2mL	0.95
A5H1318-05	Water	NWTPH-Dx LL	08/14/25 09:00	08/19/25 07:51	930mL/2mL	1000mL/2mL	1.08
A5H1318-06	Water	NWTPH-Dx LL	08/14/25 10:45	08/19/25 07:51	950mL/2mL	1000mL/2mL	1.05
A5H1318-07	Water	NWTPH-Dx LL	08/14/25 10:00	08/19/25 07:51	1040mL/2mL	1000mL/2mL	0.96
A5H1318-08	Water	NWTPH-Dx LL	08/14/25 09:50	08/19/25 07:51	1050mL/2mL	1000mL/2mL	0.95
A5H1318-09	Water	NWTPH-Dx LL	08/14/25 13:10	08/19/25 07:51	1040mL/2mL	1000mL/2mL	0.96
A5H1318-10	Water	NWTPH-Dx LL	08/14/25 08:15	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96
A5H1318-11	Water	NWTPH-Dx LL	08/14/25 09:00	08/19/25 12:38	1060mL/2mL	1000mL/2mL	0.94
A5H1318-12	Water	NWTPH-Dx LL	08/14/25 12:35	08/19/25 12:38	1000mL/2mL	1000mL/2mL	1.00
A5H1318-13	Water	NWTPH-Dx LL	08/13/25 14:40	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96
A5H1318-14	Water	NWTPH-Dx LL	08/13/25 14:40	08/19/25 12:38	1010mL/2mL	1000mL/2mL	0.99
A5H1318-15	Water	NWTPH-Dx LL	08/14/25 10:35	08/19/25 12:38	1050mL/2mL	1000mL/2mL	0.95
A5H1318-16	Water	NWTPH-Dx LL	08/14/25 11:40	08/19/25 12:38	900mL/2mL	1000mL/2mL	1.11
A5H1318-17	Water	NWTPH-Dx LL	08/13/25 15:50	08/19/25 12:38	950mL/2mL	1000mL/2mL	1.05
A5H1318-18	Water	NWTPH-Dx LL	08/14/25 12:05	08/19/25 12:38	1060mL/2mL	1000mL/2mL	0.94
A5H1318-19	Water	NWTPH-Dx LL	08/14/25 12:30	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

Prep: EPA 3510C (Fuels/Acid Ext.) w/SGC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25H0721</u>							
A5H1318-01	Water	NWTPH-Dx/SGC	08/14/25 08:05	08/19/25 07:51	950mL/2mL	1000mL/2mL	1.05
A5H1318-02	Water	NWTPH-Dx/SGC	08/13/25 15:30	08/19/25 07:51	1070mL/2mL	1000mL/2mL	0.94
A5H1318-03	Water	NWTPH-Dx/SGC	08/14/25 11:20	08/19/25 07:51	1060mL/2mL	1000mL/2mL	0.94
A5H1318-04	Water	NWTPH-Dx/SGC	08/14/25 12:10	08/19/25 07:51	1050mL/2mL	1000mL/2mL	0.95
A5H1318-05	Water	NWTPH-Dx/SGC	08/14/25 09:00	08/19/25 07:51	930mL/2mL	1000mL/2mL	1.08
A5H1318-06	Water	NWTPH-Dx/SGC	08/14/25 10:45	08/19/25 07:51	950mL/2mL	1000mL/2mL	1.05
A5H1318-07	Water	NWTPH-Dx/SGC	08/14/25 10:00	08/19/25 07:51	1040mL/2mL	1000mL/2mL	0.96
A5H1318-08	Water	NWTPH-Dx/SGC	08/14/25 09:50	08/19/25 07:51	1050mL/2mL	1000mL/2mL	0.95
A5H1318-09RE1	Water	NWTPH-Dx/SGC	08/14/25 13:10	08/19/25 07:51	1040mL/2mL	1000mL/2mL	0.96
A5H1318-10RE1	Water	NWTPH-Dx/SGC	08/14/25 08:15	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96
A5H1318-11RE1	Water	NWTPH-Dx/SGC	08/14/25 09:00	08/19/25 12:38	1060mL/2mL	1000mL/2mL	0.94

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Michele Poquiz For Kurt Johnson, Senior Chemist



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Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**SAMPLE PREPARATION INFORMATION**

**Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup**

**Prep: EPA 3510C (Fuels/Acid Ext.) w/SGC**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5H1318-12RE1	Water	NWTPH-Dx/SGC	08/14/25 12:35	08/19/25 12:38	1000mL/2mL	1000mL/2mL	1.00
A5H1318-13RE1	Water	NWTPH-Dx/SGC	08/13/25 14:40	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96
A5H1318-14RE1	Water	NWTPH-Dx/SGC	08/13/25 14:40	08/19/25 12:38	1010mL/2mL	1000mL/2mL	0.99
A5H1318-15RE1	Water	NWTPH-Dx/SGC	08/14/25 10:35	08/19/25 12:38	1050mL/2mL	1000mL/2mL	0.95
A5H1318-16RE1	Water	NWTPH-Dx/SGC	08/14/25 11:40	08/19/25 12:38	900mL/2mL	1000mL/2mL	1.11
A5H1318-17RE1	Water	NWTPH-Dx/SGC	08/13/25 15:50	08/19/25 12:38	950mL/2mL	1000mL/2mL	1.05
A5H1318-18RE1	Water	NWTPH-Dx/SGC	08/14/25 12:05	08/19/25 12:38	1060mL/2mL	1000mL/2mL	0.94
A5H1318-19RE1	Water	NWTPH-Dx/SGC	08/14/25 12:30	08/19/25 12:38	1040mL/2mL	1000mL/2mL	0.96

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

**Prep: EPA 5030C**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 25H0615</b>							
A5H1318-01	Water	NWTPH-Gx (MS)	08/14/25 08:05	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-02	Water	NWTPH-Gx (MS)	08/13/25 15:30	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-03	Water	NWTPH-Gx (MS)	08/14/25 11:20	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-04	Water	NWTPH-Gx (MS)	08/14/25 12:10	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-05	Water	NWTPH-Gx (MS)	08/14/25 09:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-06	Water	NWTPH-Gx (MS)	08/14/25 10:45	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-07	Water	NWTPH-Gx (MS)	08/14/25 10:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-08	Water	NWTPH-Gx (MS)	08/14/25 09:50	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-09	Water	NWTPH-Gx (MS)	08/14/25 13:10	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-10	Water	NWTPH-Gx (MS)	08/14/25 08:15	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-11	Water	NWTPH-Gx (MS)	08/14/25 09:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-12	Water	NWTPH-Gx (MS)	08/14/25 12:35	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-13	Water	NWTPH-Gx (MS)	08/13/25 14:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-14	Water	NWTPH-Gx (MS)	08/13/25 14:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-15	Water	NWTPH-Gx (MS)	08/14/25 10:35	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-16	Water	NWTPH-Gx (MS)	08/14/25 11:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-17	Water	NWTPH-Gx (MS)	08/13/25 15:50	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-18	Water	NWTPH-Gx (MS)	08/14/25 12:05	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-19	Water	NWTPH-Gx (MS)	08/14/25 12:30	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00

**BTEX+N Compounds by EPA 8260D**

Apex Laboratories

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**SAMPLE PREPARATION INFORMATION**

**BTEX+N Compounds by EPA 8260D**

**Prep: EPA 5030C**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25H0615</u>							
A5H1318-01	Water	EPA 8260D	08/14/25 08:05	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-02	Water	EPA 8260D	08/13/25 15:30	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-03	Water	EPA 8260D	08/14/25 11:20	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-04	Water	EPA 8260D	08/14/25 12:10	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-05	Water	EPA 8260D	08/14/25 09:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-06	Water	EPA 8260D	08/14/25 10:45	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-07	Water	EPA 8260D	08/14/25 10:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-08	Water	EPA 8260D	08/14/25 09:50	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-09	Water	EPA 8260D	08/14/25 13:10	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-10	Water	EPA 8260D	08/14/25 08:15	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-11	Water	EPA 8260D	08/14/25 09:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-12	Water	EPA 8260D	08/14/25 12:35	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-13	Water	EPA 8260D	08/13/25 14:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-14	Water	EPA 8260D	08/13/25 14:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-15	Water	EPA 8260D	08/14/25 10:35	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-16	Water	EPA 8260D	08/14/25 11:40	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-17	Water	EPA 8260D	08/13/25 15:50	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-18	Water	EPA 8260D	08/14/25 12:05	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-19	Water	EPA 8260D	08/14/25 12:30	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00
A5H1318-20	Water	EPA 8260D	08/13/25 00:00	08/19/25 12:00	5mL/5mL	5mL/5mL	1.00

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ORELAP ID: OR100062

**ACC Environmental Consultants, Inc.**

3925 NE 72nd Ave. Suite 103

Vancouver, WA 98661

Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**QUALIFIER DEFINITIONS**

**Client Sample and Quality Control (QC) Sample Qualifier Definitions:**

**Apex Laboratories**

- F-11** The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- F-13** The chromatographic pattern does not resemble the fuel standard used for quantitation
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.

Apex Laboratories

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Michele Poquiz For Kurt Johnson, Senior Chemist



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**A5H1318 - 09 05 25 1623**

**REPORTING NOTES AND CONVENTIONS:**

**Abbreviations:**

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported.
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

**Detection Limits: Limit of Detection (LOD)**

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ). If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

**Reporting Limits: Limit of Quantitation (LOQ)**

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

**Reporting and Detection Limits: Default Limits**

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

**Reporting Conventions:**

- Basis: Results for soil samples are generally reported on a 100% dry weight basis. The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.
  - " dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry") See Percent Solids section for details of dry weight analysis.
  - " wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
  - " " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

**QC Source:**

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

**Miscellaneous Notes:**

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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ORELAP ID: OR100062

<b>ACC Environmental Consultants, Inc.</b> 3925 NE 72nd Ave. Suite 103 Vancouver, WA 98661	Project: <b>Coleman Oil</b> Project Number: <b>10019-001.00</b> Project Manager: <b>Craig Hultgren</b>	<b>Report ID:</b> <b>A5H1318 - 09 05 25 1623</b>
--	--	---

**REPORTING NOTES AND CONVENTIONS (Cont.):**

**Blanks:**

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL). Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

- For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
- For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

**Preparation Notes:**

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

**Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

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Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**Decanted Samples:**

Soils/Sediments:

Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:

Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)

Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight correction as for normal analyses.

In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

Apex Laboratories

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Michele Poquiz For Kurt Johnson, Senior Chemist



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--	--	---

**LABORATORY ACCREDITATION INFORMATION**

**ORELAP Certification ID: OR100062 (Primary Accreditation)**

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

**Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

**Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

**Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

**Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

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Project: **Coleman Oil**

Project Number: **10019-001.00**

Project Manager: **Craig Hultgren**

**Report ID:**

**A5H1318 - 09 05 25 1623**

**CHAIN OF CUSTODY**

**APEX LABS**  
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Company: **ACC Environmental** Project Mgr: **Craig Hultgren** Phone: \_\_\_\_\_

Project Name: **Coleman Oil Monitoree** Project #: **10019-001.00**

Address: \_\_\_\_\_ Email: **classwel@accenv.com** PO # \_\_\_\_\_

Sampled by: **Chris Duschel / Peter Dries**

Site Location: \_\_\_\_\_

State: **WA** County: **Chelan**

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-DCID	NWTPH-DC	NWTPH-GX	8260D BTEX + 2	8260D RBDM VOCs	8260 Halo VOCs	8260D VOCS Full List	8270E PAHs	8270E Semt-Vols Full List	8082A PCBs	8081B Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Bi, Cd, Cr, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Ti, V, Zn	TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive	
1	8/14/25	0900	1420 S	5	X	X	X	X															
2	8/14/25	1235																					
3	8/13/25	1440																					
4	8/13/25	1440																					
5	8/14/25	1035																					
6	8/14/25	1140																					
7	8/13/25	1550																					
8	8/14/25	1205																					
9	8/14/25	1230																					
10																							

Normal Turn Around Time (TAT) = 10 Business Days →

**\*\*\* RUSH - Request → Indicate Date Needed: 5-day Acc turnaround time \*\*\***

**\*\*\*Rush TAT requests may incur additional cost**  
For TAT calculations, samples received after 3pm will be considered received the next business day.  
Data will be reported by 6pm. Samples with <72 hrs of hold time may be surcharged.

**SAMPLES ARE HELD FOR 30 DAYS**

RELINQUISHED BY: Signature: _____ Date: 8/15/25 Printed Name: <b>Chris Duschel</b> Company: <b>ACC</b>	RECEIVED BY: Signature: _____ Date: 8/15/25 Printed Name: <b>Alyssa Wilby</b> Company: <b>APL</b>
RELINQUISHED BY: Signature: _____ Date: _____ Printed Name: _____ Company: _____	RECEIVED BY: Signature: _____ Date: _____ Printed Name: _____ Company: _____

Form Y-002 R-02

Apex Laboratories

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*Michele Poquiz*



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3925 NE 72nd Ave. Suite 103  
Vancouver, WA 98661

Project: **Coleman Oil**  
Project Number: **10019-001.00**  
Project Manager: **Craig Hultgren**

**Report ID:**  
**A5H1318 - 09 05 25 1623**

**APEX LABS COOLER RECEIPT FORM**

**Client:** ACC Environmental Element WO#: A5 #1318

**Project/Project #:** Coleman Oil Wenatchee 10019-001.00

**Delivery Info:**

Date/time received: 8/15/25 @ 1745 By: APW

Delivered by: Apex  Client  ESS  FedEx  UPS  Radio  Morgan  SDS  Evergreen  Other

From USDA Regulated Origin? Yes  No

**Cooler Inspection** Date/time inspected: 8/15/25 @ 1745 By: APW

Chain of Custody included? Yes  No

Signed/dated by client? Yes  No

Contains USDA Reg. Soils? Yes  No  Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>0.3</u>	<u>4.8</u>	<u>0.6</u>	<u>3.4</u>			
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>In</u>						

Cooler out of temp? (Y/N) Possible reason why: \_\_\_\_\_

Green dots applied to out of temperature samples? Yes  No

Out of temperature samples form initiated? Yes  No

**Sample Inspection:** Date/time inspected: 8/18/25 @ 1630 By: JA

All samples intact? Yes  No  Comments: \_\_\_\_\_

Bottle labels/COCs agree? Yes  No  Comments: \_\_\_\_\_

COC/container discrepancies form initiated? Yes  No

Containers/volumes received appropriate for analysis? Yes  No  Comments: TB not made at lab, no TB#.

Do VOA vials have visible headspace? Yes  No  NA

Comments: \_\_\_\_\_

Water samples: pH checked: Yes  No  NA  pH appropriate? Yes  No  NA  pH ID: A25G112

Comments: \_\_\_\_\_

Labeled by: JA

Witness: KAM

Cooler Inspected by: APW

Form Y-003 R-02

Apex Laboratories

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*Michele Poquiz*

Michele Poquiz For Kurt Johnson, Senior Chemist

## **APPENDIX F**

### **DATA QUALITY REVIEW REPORT**

**TO:** Craig Hultgren (ACC Environmental Consulting, Inc.)  
**FROM:** Manon Tanner-Dave  
**DATE:** September 15, 2025  
**SUBJECT:** Laboratory Validation Report

---

<b>Site Name/No.</b>	Coleman Oil – 10019-001.00		
<b>Sampling Event Type:</b>	Water Sampling	<b>Number of Samples:</b>	20
<b>Laboratory Work Order:</b>	A5H1318	<b>Final Report Date &amp; Time:</b>	September 5, 2025

**Analysis & Method**

- Gasoline Range Hydrocarbon (NWTPH-Gx)
- Diesel Range Hydrocarbon without Silica Gel (NWTPH-Dx)
- Diesel Range Organics with Silica Gel (NWTPH-DxSG)
- Volatile Organic Compounds (EPA 8260C)
- BTEX (EPA 8260D)
- Total Lead (EPA 6020A), Organic Lead and Manganese Speciation (GC/ECD)
- Sulfate (300.0)
- Other – BTEX & Naphthalene (EPA 8260D)

**Data Package Completeness:**

Data package was complete.

**EDD to Hardcopy Verification:**

An EDD was not provided.

**Technical Data Validation:**

- Holding Times & Sample Receipt
- Surrogate Compounds
- Associated Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- Associated Laboratory Duplicate
- Laboratory Control Sample/ Laboratory Control Sample Duplicates (LCS/LCSD)
- Method Blank
- Field Duplicates
- Target Analyte List
- Reporting Limits (MDL and MRL)
- Reported Results

**Holding Times & Sample Receipt:**

All holding times and sample receipt were acceptable.

**Surrogate Compounds:**

All surrogate percent recoveries (%R) were within laboratory limits.

**Associated Matrix Spike/Matrix Spike Duplicate (MS/MSD):**

**NWTPH-Dx and NWTPH-Gx:** Laboratory control sample duplicate (LCSD) analyzed in place of matrix spike/duplicate samples due to limited sample amount available for analysis.

**BTEX & N:** Matrix spike sample was analyzed at the appropriate frequency and the %R were within the acceptance criteria.

**Associated Laboratory Duplicate:**

Laboratory duplicates were analyzed at the appropriate frequency and all %D were within the acceptance criteria.

**Laboratory Control Sample/Laboratory Control Sample Duplicates:**

LCS/LCSD were analyzed at the appropriate frequency and all %R and RPD were within the acceptance criteria.

**Method Blank:**

Method blanks were analyzed at the appropriate frequency and were non-detect (ND) for all target analytes.

**BTEX & N:** A trip blank was submitted and analyzed; non-detect for all target analytes.

**Field Duplicate(s):**

Two sets of parent/field duplicate samples were collected and analyzed (MW6/MW101 and MW10 R/MW102), all RPD were within acceptance criteria.

**Target Analyte List:**

All requested analytes were present.

**Reporting Limits (MDL and MRL):**

Reporting limits were within the acceptance criteria.

**Reported Results:**

All reported results are acceptable.

**Laboratory qualifiers for NWTPH-Dx and NWTPH-DxSG:**

- (F-11) The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
  - J-Other qualify affected results.
- (F-13) The chromatographic pattern does not resemble the fuel standard used for quantitation.
  - J-Chrom qualify affected results.

**Lab Validation Assessment**

Analytical results are usable to meet the project objectives.

## **Data Quality Review Statement for Report**

Aside from the data quality issues discussed above, the data quality review identified no concerns with respect to the quality or usability of the data presented herein.

## Appendix A. Data Validation Qualifiers and Definitions

The following lists the data validation qualifier codes and their definitions that were assigned to analytical results in this data validation review process.

### Data Validation Qualifiers and Definitions:

- (R) The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
  - (DNR) Do not report. A more appropriate result is reported from another analysis or dilution.
- 

## Appendix B. Data Validation Qualified Summary Table

### Laboratory qualifiers:

- (F-11) The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
- (F-13) The chromatographic pattern does not resemble the fuel standard used for quantitation.

### Validation qualifiers:

- (J) The result is an estimated quantity.

### Reason codes:

- Chrom = Chromatographic pattern doesn't match the pattern of the calibration standard.
- Other = Other, described in data validation report.

**Appendix B. Validator Qualified Data Summary Table**

<b>Sample</b>	<b>Laboratory ID</b>	<b>Method</b>	<b>Parameter Name</b>	<b>Result</b>	<b>Result Units</b>	<b>Laboratory Qualifier</b>	<b>Validator Qualifier</b>	<b>Reason Code</b>
MW06	A5H1318-01	NWTPH-Dx	Diesel	939	µg/L	F-13	J	Chrom
MW09 R	A5H1318-02	NWTPH-Dx	Diesel	3,610	µg/L	F-13	J	Chrom
MW08	A5H1318-03	NWTPH-Dx	Diesel	1,890	µg/L	F-13	J	Chrom
MW10 R	A5H1318-04	NWTPH-Dx	Diesel	2,090	µg/L	F-13	J	Chrom
MW11	A5H1318-05	NWTPH-Dx	Diesel	1,080	µg/L	F-13	J	Chrom
MW13 R	A5H1318-06	NWTPH-Dx	Diesel	3,980	µg/L	F-13	J	Chrom
MW14 R	A5H1318-07	NWTPH-Dx	Diesel	2,650	µg/L	F-11, F-13	J	Other, Chrom
MW17	A5H1318-08	NWTPH-Dx	Diesel	1,520	µg/L	F-13	J	Chrom
MW20	A5H1318-09	NWTPH-Dx	Diesel	1,400	µg/L	F-13	J	Chrom
MW21	A5H1318-10	NWTPH-Dx	Diesel	1,850	µg/L	F-13	J	Chrom
MW24	A5H1318-11	NWTPH-Dx	Diesel	614	µg/L	F-11, F-13	J	Other, Chrom
MW28	A5H1318-12	NWTPH-Dx	Diesel	675	µg/L	F-11, F-13	J	Other, Chrom
MW29	A5H1318-13	NWTPH-Dx	Diesel	1,040	µg/L	F-13	J	Chrom
MW30	A5H1318-14	NWTPH-Dx	Diesel	885	µg/L	F-13	J	Chrom
MW32	A5H1318-15	NWTPH-Dx	Diesel	1,160	µg/L	F-13	J	Chrom
BH01 R	A5H1318-16	NWTPH-Dx	Diesel	2,620	µg/L	F-13	J	Chrom
BH02	A5H1318-17	NWTPH-Dx	Diesel	1,140	µg/L	F-13	J	Chrom
MW101	A5H1318-18	NWTPH-Dx	Diesel	1,130	µg/L	F-13	J	Chrom
MW102	A5H1318-19	NWTPH-Dx	Diesel	2,120	µg/L	F-13	J	Chrom
MW06	A5H1318-01	NWTPH-Dx/SGC	Diesel	244	µg/L	F-13	J	Chrom

<b>Sample ID</b>	<b>Laboratory ID</b>	<b>Method</b>	<b>Parameter Name</b>	<b>Result</b>	<b>Result Units</b>	<b>Laboratory Qualifier</b>	<b>Validator Qualifier</b>	<b>Reason Code</b>
MW09 R	A5H1318-02	NWTPH-Dx/SGC	Diesel	700	µg/L	F-13	J	Chrom
MW08	A5H1318-03	NWTPH-Dx/SGC	Diesel	418	µg/L	F-13	J	Chrom
MW10 R	A5H1318-04	NWTPH-Dx/SGC	Diesel	321	µg/L	F-13	J	Chrom
MW11	A5H1318-05	NWTPH-Dx/SGC	Diesel	223	µg/L	F-13	J	Chrom
MW13 R	A5H1318-06	NWTPH-Dx/SGC	Diesel	796	µg/L	F-13	J	Chrom
MW14 R	A5H1318-07	NWTPH-Dx/SCG	Diesel	131	µg/L	F-11	J	Other
MW17	A5H1318-08	NWTPH-Dx/SCG	Diesel	236	µg/L	F-13	J	Chrom
MW20	A5H1318-09RE1	NWTPH-Dx/SCG	Diesel	98.5	µg/L	F-13	J	Chrom
MW21	A5H1318-10RE1	NWTPH-Dx/SCG	Diesel	217	µg/L	F-13	J	Chrom
MW29	A5H1318-13RE1	NWTPH-Dx/SCG	Diesel	123	µg/L	F-13	J	Chrom
MW30	A5H1318-14RE1	NWTPH-Dx/SCG	Diesel	211	µg/L	F-13	J	Chrom
BH01 R	A5H1318-16RE1	NWTPH-Dx/SCG	Diesel	1,380	µg/L	F-13	J	Chrom
BH02	A5H1318-17RE1	NWTPH-Dx/SCG	Diesel	129	µg/L	F-13	J	Chrom
MW101	A5H1318-18RE1	NWTPH-Dx/SCG	Diesel	243	µg/L	F-13	J	Chrom
MW102	A5H1318-19RE1	NWTPH-Dx/SCG	Diesel	316	µg/L	F-13	J	Chrom