

**First Quarter 2025
Remedial Progress Evaluation Report for
Former Circle K 1461 Site
Seattle, Washington**

June 2025

ERRG Project No. 20230065

Prepared for:



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Submitted by:
Engineering/Remediation Resources Group, Inc.



Signature

6/12/2025

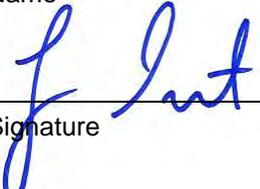
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Acronyms and Abbreviations

| | |
|---------------|---|
| amsl | above mean sea level |
| bgs | below ground surface |
| BTEX | benzene, ethylbenzene, toluene, and total xylenes |
| CAP | Cleanup Action Plan |
| cfm | cubic feet per minute |
| COCs | chemicals of concern |
| CULs | cleanup levels |
| CVOCs | chlorinated volatile organic compounds |
| DRO | diesel-range organics |
| EA | Engineering EA Engineering, Science, and Technology, Inc. |
| Ecology | Washington State Department of Ecology |
| EFR | enhanced fluid recovery |
| EIWs | extraction/injection wells |
| ERRG | Engineering/Remediation Resources Group, Inc. |
| FOG | fats, oils, and grease |
| FS | Feasibility Study |
| GAC | granular activated carbon |
| Glacier | Glacier Environmental Services |
| GRO | gasoline-range organics |
| IDW | investigation-derived waste |
| inHg | inches of mercury |
| Kennedy Jenks | Kennedy Jenks Consultants, Inc. |
| KCIW | King County Industrial Waste |
| lbs/hr | pounds per hour |
| LNAPL | light nonaqueous-phase liquid |
| mg/kg | milligrams per kilogram |
| mg/L | milligrams per liter |
| MPE | multiphase extraction |
| MTCA | Model Toxics Control Act |
| O&M | Operation and Maintenance |

Acronyms and Abbreviations *(continued)*

| | |
|-------------------|--------------------------------|
| PID | photoionization detector |
| ppm | parts per million |
| PSCAA | Puget Sound Clean Air Agency |
| PVC | polyvinyl chloride |
| QAPP | Quality Assurance Project Plan |
| RI | remedial investigation |
| SAP | Sampling and Analysis Plan |
| SOG | Standard Operating Guideline |
| SSD | sub-slab depressurization |
| SVE | soil vapor extraction |
| TPH | total petroleum hydrocarbons |
| USTs | underground storage tanks |
| VOC | volatile organic compound |
| VTS | vapor treatment system |
| WAC | Washington Administrative Code |
| WTS | water treatment system |
| yd ³ | cubic yards |
| µg/L | micrograms per liter |
| µg/m ³ | micrograms per cubic meter |

1. Introduction

Engineering/Remediation Resources Group, Inc. (ERRG) has prepared this Quarterly Remedial Progress Evaluation Report to document the operations, monitoring, and maintenance activities performed for the remedial system at the Former Circle K 1641 Site during First Quarter 2025 under Phase 1. The requirements for system sampling and operations are detailed in the Operations and Maintenance (O&M) Manual (Kennedy Jenks Consultants, Inc. [Kennedy Jenks], 2024b).

1.1. SITE INFORMATION

The site is located at 2350 24th Avenue East in Seattle, Washington (Figure 1). The site is a former gasoline service station located in an area of primarily commercial and residential mixed-use development. The former service station operated from 1968 to 1990. Four gasoline underground storage tanks (USTs), one pump island, one waste oil UST, and one heating oil UST were located at the site. The site is managed by the Washington State Department of Ecology (Ecology), Facility Site ID No. 92-2-08095-8.

1.2. SITE HISTORY

The site was operated as a retail gasoline station from 1968 to mid-1990. In 1989, a leak was discovered in one of the four gasoline USTs. It was estimated that approximately 4,000 to 6,000 gallons of gasoline was released to the subsurface. Following the discovery of the release, all six USTs and the pump island were removed along with about 900 cubic yards (yd³) of petroleum hydrocarbon-impacted soil. Follow-up investigative and remedial activities were performed between 1989 and 2006, including groundwater monitoring, light nonaqueous-phase liquid (LNAPL) recovery, groundwater extraction and treatment, soil vapor extraction (SVE), and enhanced fluid recovery (EFR). The site was redeveloped in 1990 and 1991 and currently includes a single one-story building operated as a retail dry cleaning store (Jay's Cleaners) and a convenience store (Mont's Market) (Kennedy Jenks, 2017a).

In February 1992, the site owner entered into Consent Decree No. 92-2-08095-8 with Ecology to perform additional investigation and remediation of petroleum contamination at the site. Ecology's lien on the property for the sum of \$50,000 was released in January 2008, after Ecology received the full payment for past costs from mixed funding sources (Kennedy Jenks, 2017a).

In 1994, Ecology conducted a Site Hazard Assessment for the site. The site ranked a 3 out of 5, with 1 being the highest risk and 5 being the lowest risk (Ecology, 1994).

A health investigation of the site was reportedly performed by the Washington State Department of Health in 1995, although the investigation report was not available for review in Ecology's files. The health department noted that, while the site posed a potential for adverse impact to public health, it was not of immediate concern because of the lack of any completed human exposure pathway (Kennedy Jenks, 2017a).

1.3. SITE USE

Two businesses currently operate at the site, including a dry cleaner (Jay's Cleaners) and a general store (Mont's Market). Jay's Cleaners is operated by the property owner, and Mont's Market is operated independently under a lease agreement. The site is located in an approximately two-block-long area of commercial and residential mixed-use development within the Montlake neighborhood of the city of Seattle (a primarily residential neighborhood) ([Kennedy Jenks, 2017a](#)).

Jay's Cleaners has a Resource Conservation and Recovery Act Site ID (WAD988515458) as a hazardous waste generator, but is listed as inactive as a hazardous waste generator since 31 December 1994. The site is also listed in Ecology's Hazardous Waste program (Program ID No. CRK000003160). The start date for this interaction is listed as 1 January 1988 and the end date is listed in Ecology's database as 1 March 1989 ([Kennedy Jenks, 2017a](#)).

2. Site Background

The following sections summarize the geology and hydrogeology at the Site.

2.1. GEOLOGY

Based on a review of boring logs generated during remedial investigation (RI) activities performed in 2016 and 2017 and previous investigations, three generalized stratigraphic units are identified at the Site, as summarized below ([Kennedy Jenks, 2021](#)).

- Silt – Typically encountered from the ground surface (i.e., beneath pavement and subgrade fill) to depths of approximately 2 to 8 feet below ground surface (bgs), but extends to greater depths (up to approximately 13 feet bgs) in the northern portion of the site. The unit is generally described as soft to stiff, brown to gray, silt to sandy silt, locally with gravel and/or organics.
- Sand/Silt – Typically encountered below the silt layer to depths of approximately 17 to 22 feet bgs. The unit is generally described as gray to brown, fine sand, silty fine sand, or sandy silt locally containing cobbles. The unit is also described as loose, medium dense, dense, and very dense with vertical and lateral variation. This unit may locally include the uppermost, possibly weathered, portion of the underlying glacial till unit.
- Till – Typically encountered below the sand/silt starting at approximately 17 to 22 feet bgs. The unit is generally described as gray silt, silty sand, or sandy silt with sand and gravel. The till unit is also described as dense to very dense, hard to very hard, or stiff to very stiff, as indicated during drilling by increased drilling pressure and significant increases in blow counts required to drive split-spoon soil samplers.

Fill has also been encountered at the site, including pea gravel that was placed within the former excavation area to depths of approximately 17 feet bgs ([Kennedy Jenks, 2021](#)).

2.2. HYDROGEOLOGY

The depth to groundwater at the site ranges from 3 to 12 feet bgs, based on water levels measured from April to December 2016. This zone of shallow groundwater occurs under unconfined conditions, is perched on top of the till unit, and is interpreted to represent the local water table aquifer. Although a seasonal fluctuation of 1 foot or less in the aquifer was generally observed near the former UST area during the April and December 2016 monitoring events, a fluctuation of nearly 6 feet was recorded at the northernmost monitoring well MW-11 ([Kennedy Jenks, 2021](#)). It should be noted that wells MW-17 through MW-21 were completed in August and September 2016; therefore, they were only included in the December 2016 monitoring event.

Groundwater level data collected from wells located at the site in April and December 2016 (within the property parking lot) show a flow direction to the southeast, with a localized area of depression in the

vicinity of well MW-6. The potentiometric low around well MW-6 (located in East McGraw Street) is likely attributable to utility corridors located in the center of the street right-of-way (Kennedy Jenks, 2017a).

Previous reports have indicated that the general direction of groundwater flow was toward the northeast, and that while the onsite LNAPL recovery and remediation system was operating (December 1989 through May 2000), a stable cone of depression developed near the recovery well (Kennedy Jenks, 2017a).

2.3. PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

This section summarizes the previous site investigations and remedial activities. Unless indicated otherwise, the information provided in this section is from the 2017 RI/Feasibility Study (FS) Report (Kennedy Jenks, 2017a).

2.3.1. 1989–1990 UST Removal and Remediation (GeoEngineers)

On 7 August 1989, a leak was detected in one of the gasoline USTs at the site. Upon discovery of the release, the remaining product was removed from the leaking UST, and a release notification was made to Ecology (GeoEngineers, 1990a). The capacity of the leaking UST was reportedly 4,000 gallons and it is unknown whether the tank stored leaded or unleaded gasoline. (Note: Leaded gasoline was not completely phased out in Washington until 1996.) Based on a review of tank inventory records, the release occurred between 22 June and 7 August 1989.

In late 1989, 16 groundwater monitoring wells (MW-1 through MW-16) were constructed at the site. During drilling, a petroleum-like odor was reportedly observed at several well locations (MW-2, MW-3, MW-4, MW-6, MW-10, MW-13, and MW-15) (GeoEngineers, 1990a). Soil samples were collected from each of the monitoring well borings for analysis of petroleum hydrocarbons (gasoline-range organics [GRO] and diesel-range organics [DRO]); benzene, ethylbenzene, toluene, and xylenes (BTEX); and other gasoline-related compounds. The highest detected concentration of GRO was in a soil sample collected from well MW-4 at 8.5 feet bgs (1,200 milligrams per kilogram [mg/kg]).

All six USTs and the pump island were removed from the site in October 1989. In addition to the UST removals, approximately 900 yd³ of petroleum hydrocarbon-impacted soil was excavated and removed. The four gasoline USTs were removed from one excavation, and the waste oil and heating oil USTs were each removed from separate excavations (GeoEngineers, 1990a). Monitoring wells MW-2 and MW-3 were abandoned during excavation activities because they were located within the footprint of the main UST excavation. Following excavation activities, the excavation was backfilled with pea gravel with a crushed gravel top course.

Following removal of the gasoline USTs, approximately 80 to 100 gallons of LNAPL was removed from the excavation. Petroleum hydrocarbon-impacted soil was removed from the UST excavation to a depth of approximately 14 to 16 feet bgs. Eight confirmation soil samples were collected from the sidewalls and

base of the excavation. The confirmation soil sample results indicated GRO and/or DRO and BTEX were present at concentrations exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs), except in the sample collected from the eastern sidewall. The GRO concentrations ranged from not detected (samples EW-1 and ET-3, eastern sidewall) to 1,700 mg/kg (sample NW-1 along the northern sidewall). The highest benzene concentration (31 mg/kg) was also detected in sample NW-1, while other detected concentrations ranged from 0.11 to 1.3 mg/kg.

The waste oil and heating oil USTs reportedly contained residual product, which was removed prior to excavation ([GeoEngineers, 1990a](#)). No perforations were observed in either tank; however, field screening of soil samples surrounding each tank indicated that some petroleum hydrocarbon-impacted soil was present. Approximately 10 yd³ of impacted soil was removed from the area surrounding the heating oil UST, and approximately 80 yd³ of impacted soil was removed from the waste oil UST excavation, primarily from the base and the eastern sidewall ([GeoEngineers, 1990a](#)). Following excavation of petroleum hydrocarbon-impacted soil, confirmation soil samples were collected from each excavation sidewall and bottom and analyzed for total petroleum hydrocarbons (TPH). TPH concentrations in all samples were less than the MTCA Method A CULs for diesel and oil in soil.

The former pump island was reportedly removed from the site in March 1990 ([Ecology, 2009](#)); however, no information on confirmation sampling, if any, was available.

In late 1989, an LNAPL recovery system, groundwater treatment system, and SVE system were also installed at the site within the former gasoline tanks excavation area. The remediation systems consisted of a 30-inch-diameter steel recovery well along the northern edge of the excavation and a dual-pumping system consisting of an LNAPL (free product) recovery pump and a water table depression pump ([Ecology, 2009](#)). Three groundwater and LNAPL recovery trenches were also constructed within the excavation along the northern sidewall.

Approximately 538 gallons of LNAPL was recovered from December 1989 through September 1990 ([GeoEngineers, 1990b](#)). In addition, measurable LNAPL was bailed from the monitoring wells on a monthly basis. The groundwater treatment system was operated until May 2000, at which time Ecology decided to discontinue operation of the system and evaluate other cleanup alternatives (Glacier Environmental Services [[Glacier, 2001](#)]).

The SVE system was installed in the excavation and consisted of horizontal slotted polyvinyl chloride (PVC) vapor extraction piping connected to a blower. Soil vapors were routed through a condensate trap, particulate filter, and a series of granular activated carbon (GAC) filters for treatment. Although the SVE system was installed at the same time as the LNAPL recovery and groundwater treatment systems were installed, it was operated from the early 1990s until 1997, at which time it was shut down because no

significant hydrocarbons were detected in the extracted soil vapor for 2 consecutive months (Ecology, 2009).

2.3.2. 1992–1999 Groundwater Monitoring and Operation and Maintenance (Glacier)

From 1992 through 1999, Glacier performed two groundwater monitoring events and O&M of the groundwater treatment system at the site. Groundwater monitoring activities consisted of collecting groundwater samples and measuring LNAPL in the second quarter 1992 and second quarter 1999.

2.3.3. 2005 Enhanced Fluid Recovery (EcoVac Services, Inc.)

In June 2005, EcoVac Services, Inc. performed a pilot test to evaluate use of an EFR mobile dual-phase extraction technology to remediate petroleum hydrocarbons at the site. The EFR technology uses a combination of a specially designed truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system (VTS). High vacuum is applied to one or more monitoring or recovery wells with down-hole apparatuses to control the fluid elevation in each well. EFR simultaneously removes multiple phases of hydrocarbons (liquid, dissolved, adsorbed, and vapor phase) by extracting free product, soil vapors, and groundwater from the selected monitoring and/or recovery wells. The purpose of the 8-hour EFR pilot test was to evaluate the technology as a method for removing LNAPL, impacted groundwater, and hydrocarbon vapors from monitoring wells MW-4, MW-8, MW-9, and MW-13 located near the former UST excavation area. The results of the EFR pilot test are summarized below.

- Approximately 18 gallons of gasoline was removed during the test.
- Vapor-phase hydrocarbon removal rates ranged from 1.9 pounds per hour (lbs/hr) when extracting from monitoring well MW-13 located farthest from the former UST excavation area to 38 lbs/hr when simultaneously extracting from multiple monitoring wells (i.e., MW-4, MW-8, and MW-9) located nearer to the former UST excavation area.
- The groundwater drawdown measured in the observation monitoring wells ranged from 0.08 foot to 2.75 feet when extracting from monitoring well MW-9 and generally correlated with the distance from the point of applied vacuum. The groundwater drawdown measured in three observation wells when extracting from monitoring well MW-4 was approximately the same, regardless of distance.
- Pre-test LNAPL measurements ranged from a sheen in monitoring well MW-8 to 0.42 foot in monitoring well MW-4. LNAPL was not present in measurable thicknesses in measurements taken approximately 3 weeks after the pilot test. Measurements of LNAPL collected during the three subsequent quarters indicated that LNAPL was measurable on the groundwater but did not return to the pre-test thickness in monitoring well MW-4.

2.3.4. 2005–2006 Groundwater Monitoring (EA Engineering, Science, and Technology, Inc.)

In 2005 and 2006, EA Engineering, Science, and Technology, Inc. (EA) performed groundwater monitoring activities at the site (EA, 2006). The monitoring activities during this period consisted of collecting groundwater samples from select monitoring wells and measuring for LNAPL approximately 1 week prior to the EFR pilot test described in Section 2.3.3 and approximately 1 week after the pilot test. EA performed three additional rounds of groundwater monitoring in 2006. The groundwater monitoring results during this period indicated that GRO and benzene remained in groundwater at concentrations exceeding the MTCA Method A CULs to the north of the former gasoline UST area (EA, 2006). In addition, the LNAPL thickness in monitoring wells located in the former gasoline UST area slowly rebounded following the EFR pilot test but did not return to pre-test thicknesses in the monitoring well (MW-4) located adjacent to the former USTs, where the greatest thickness had been observed prior to the test. Follow-up monitoring performed in February 2008 indicated that LNAPL remained as film (i.e., no measurable thickness) in monitoring wells MW-4 and MW-13 and a hydrocarbon sheen was present in monitoring wells (MW-8, MW-9, and MW-15) to the north, and that the extent of LNAPL-impacted groundwater was relatively stable.

2.3.5. 2016–2017 Remedial Investigation/Feasibility Study (Kennedy Jenks)

The RI was performed to address identified data gaps and evaluate the nature and extent of contamination at the site. The RI included constructing 3 new groundwater monitoring wells (MW-17, MW-18, and MW-19) and 9 new multipurpose wells (MW-20, MW-21, and RW-1 through RW-7); advancing 16 reconnaissance soil borings; collecting soil samples for laboratory analyses; and performing additional rounds of groundwater monitoring.

GRO and benzene were identified as the primary chemicals of concern (COCs) at the site. Concentrations of GRO and benzene in soil and groundwater appeared to be highest in the western-central portion of the site and appeared to extend off-property to the north and east. The vertical extent of GRO and benzene concentrations in soil exceeding the MTCA Method A CULs appeared to be generally limited to depths from about 8 to 20 feet bgs. No LNAPL was observed in the monitoring wells during the 2016–2017 RI activities. Potentially complete pathways for human exposure to contaminated soil, groundwater, and soil vapors were identified.

The FS evaluated remedial alternatives for the site, with the goal of identifying the most effective remedial strategy that is protective of human health and the environment and meets the requirements of Ecology's MTCA regulations (Washington Administrative Code [WAC] 173-340). The recommended remedial alternative for the site included a combination in-situ bioremediation to address impacted saturated soil and groundwater at the site and SVE to support remediation of the vadose zone and to mitigate the vapor intrusion pathway into on-property buildings.

2.4. SYSTEM DESIGN, INSTALLATION, AND TESTING

This section summarizes the design, installation, and testing of the remedial system at the site.

2.4.1. System Design

An Engineering Design Report was prepared in December 2021 detailing the specific criteria and design requirements for implementing the remedial alternative selected during the RI/FS and Cleanup Action Plan (CAP) process (Kennedy Jenks, 2021). The remedial alternative chosen in the RI/FS and CAP included an SVE system for remediation of residual soil impacts and implementation of a groundwater recirculation system with injection of bioaugmentation reagents. Kennedy Jenks prepared the design drawings and specifications, which were provided in the bid package for the construction bidding process in December 2022.

2.4.2. System Installation

Glacier was awarded the contract to construct and install the proposed remedial system in February 2023, but permit approvals delayed the start of work. After obtaining approved permits, Glacier completed the work elements described below between June 2024 and November 2024.

- Installed three new vertical and three new slant remediation wells.
- Installed four vapor pins and three horizontal sub-slab depressurization wells.
- Trenched and backfilled piping from each wellhead to the treatment shed.
- Procured and delivered the treatment system shed, GAC vessels, catalytic oxidizer, security fencing, and other treatment system components.
- Commissioned the system and performed functionality testing.

2.4.3. System Commissioning and Testing

Glacier and Kennedy Jenks performed commissioning and testing of system components in October and November 2024. System commissioning and testing included, but was not limited to:

- confirming functionality of system components (pumps, gauges, flowmeters, etc.);
- testing well performance to estimate extraction flow rates;
- testing alarms and notification;
- performing treatment batching and obtaining discharge rates; and
- obtaining baseline vapor measurements of vapor pins and sub-slab depressurization wells.

During testing, the system discharge outlet overflowed after only 300 gallons had been discharged between 4 November and 6 November 2024. After troubleshooting and scoping the drainpipe, a blockage was identified between the outlet and the sanitary sewer main. An alternate discharge outlet was selected, and

temporary piping was installed in December 2024 to allow for system operation. Extraction and injection lines were removed from the wells to minimize groundwater extraction and focus on SVE. After successful operation using the temporary piping for batch discharges, the extraction and injection lines were reinstalled at the wells to increase groundwater extraction on 05 February 2025. The installation of the permanent discharge pipeline was completed on 04 March 2025.

[Section 3.1](#) further discusses the system components. Glacier submitted system commissioning and testing documentation, troubleshooting discussion, and as-built drawings under their Construction Completion Report to Ecology ([Glacier, 2025](#)).

3. System Operation, Monitoring, Sampling, and Maintenance

The remedial system consists of a multiphase extraction (MPE) component and a surfactant/nutrient/oxygen injection component to reduce concentrations of GRO and BTEX in the site soil and groundwater in accordance with the CAP (Kennedy Jenks, 2017b). Groundwater, soil, and vapor samples are collected to monitor treatment progress in accordance with the Sampling and Analysis Plan/Quality Assurance Project Plan ([SAP/QAPP]; Kennedy Jenks, 2024a). Weekly, monthly, semiannual, and annual inspections, monitoring, maintenance, and sampling are performed on the MPE system to ensure it remains operational and the site is progressing toward achieving the remedial action objectives. Section 3.1 provides details on the system components. Sections 3.2, 3.3, and 3.4 describe the specific maintenance, monitoring, and system sampling activities performed during this event, respectively. Sections 3.5 and 3.6 describe field quality control activities and management of investigation-derived waste (IDW). Section 3.7 discusses deviations from the O&M Manual and SAP/QAPP. Section 4 describes the groundwater monitoring activities, and Section 5 summarizes the monitoring results.

3.1. SYSTEM DETAILS

The MPE system was designed to incorporate three new vertical wells and three new slant wells along with seven existing wells into a single extraction/injection system for a total of 13 remediation wells (Figure 2 and Table 1). Each well within the network of remediation wells is individually connected to both the extraction and injection manifolds in the treatment system enclosure (i.e., the Treatment Shed) located on site. Figure 2 shows the location of the Treatment Shed, and Figure 3 provides the system process flow diagram. The vapor and water extracted from the wells is piped to the treatment system. The treatment train splits at a knock-out tank to a water treatment train and a vapor treatment train.

3.1.1. General Conveyance and Monitoring Infrastructure

The extraction/injection wells (EIWs) consist of 13 remediation wells, including 1 existing monitoring well (MW-4), as follows (Figure 2):

- Seven existing remediation wells (RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and MW-4)
- Three new remediation wells (RW-8, RW-9, and RW-10)
- Three new slant remediation wells (SW-1, SW-2, and SW-3)

The wells are organized into four groups of either three or four remediation wells.

Three 4-foot-long sub-slab depressurization (SSD) horizontal wells constructed of 3-inch-diameter PVC slotted pipes are installed below grade in gravel. Four vapor pin monitoring points are also installed through the floor slab inside of the onsite building. Figure 2 shows the locations of the SSD wells and the vapor monitoring pins.

Extracted soil vapor from the three SSD wells are manually controlled at Manifold A. Extracted vapor/water from each well group is controlled at Manifold B located within the Treatment Shed at the southwest corner of the onsite building. Treated water for recirculation back into the individual EIWs is controlled at Manifold C, also located within the Treatment Shed.

3.1.2. Vapor Treatment System

The VTS begins with a liquid ring vacuum pump (B-301) installed downstream of the 40-gallon steel moisture separator/knockout tank (T-300) and connecting piping to pull vapor and groundwater from active EIWs (Figure 3). B-301 pulls vapor from T-300 into the system. A heat exchanger reduces the exit temperature on the discharge side of the liquid ring pump. A temporary catalytic oxidizer (FALCO-300) is installed downstream from B-301 for use during the first several months of operation to treat vapor concentrations to satisfy Puget Sound Clean Air Agency (PSCAA) requirements. Two 2,000-pound vapor GAC vessels are connected downstream from B-301, parallel to the catalytic oxidizer, for use once influent vapor concentrations are less than 500 parts per million (ppm) during vapor monitoring.

3.1.3. Water Treatment System

The water treatment system (WTS) begins at T-300 located upstream of B-301 (Figure 3). A transfer pump (P-300) is located adjacent to T-300 to transfer water from T-300 to a 400-gallon storage tank (T-301). A second transfer pump (P-400) is located adjacent to T-301 to transfer untreated water through the filtration and treatment process. The filtration and treatment process consists of an inline bag filter and four 200-pound liquid GAC vessels which are plumbed for operation in a lead-lag arrangement downstream of the bag filter (two sets of lead-lag trains). A 300-gallon storage tank (T-400) is connected downstream of the liquid GAC vessels to collect treated groundwater. Treated groundwater is discharged by gravity into the sanitary sewer from the storage tank until COC concentrations are amenable to bioremediation. Once COC concentrations are amendable, treated groundwater will then be pumped to a 300-gallon mixing tank (T-500) where amendments will be added. An inline oxygen generator is connected to the injection piping downstream of the transfer pump, which is connected to the mixing tank.

3.1.4. Continuous Operation Phases

After completion of the startup testing discussed in Section 2.4.3, the remedial system began continuous operation. The remedial system is expected to operate in three phases throughout the life of the system. Sections 3.1.4.1, 3.1.4.2, and 3.1.4.3 describe each operational phase.

3.1.4.1. Phase 1 – Multiphase Extraction

The EIWs will be operated to extract groundwater and vapor for treatment. Extraction will occur at all wells and all sub-slab depressurization locations. Vapors will be treated with the temporary catalytic oxidizer until extracted vapor concentrations are reduced to 500 ppm. When that concentration is reached,

the catalytic oxidizer will be removed, and vapor GAC will be implemented. The use of the catalytic oxidizer is estimated to last from 1 to 3 months. Vapor GAC will be used until groundwater concentrations stabilize and approach asymptotic levels, approximately 6 to 12 months, after which Phase 2 will begin. Treated groundwater will be discharged to the sanitary sewer under an approved King County Industrial Waste (KCIW) permit.

3.1.4.2. Phase 2 – Surfactant Reinjection

When groundwater concentrations stabilize and approach asymptotic levels, the system will begin reinjection with surfactant addition. Surfactants in the reinjected water will act to liberate hydrocarbons adsorbed in the soil. Reinjection will occur until the liquid-phase concentrations have dropped to a level indicative of asymptotic performance of the surfactant reinjection. The duration of Phase 2 is estimated to be 6 months.

3.1.4.3. Phase 3 – Enhanced Bioremediation

Once Phase 2 is complete, the surfactant reinjection will be replaced by adding oxygen/nutrients to the reinjected water. Operation will be rotated between the four sets of wells monthly to quarterly based on the monitoring results. Enhanced bioremediation will be performed until the site COCs have been reduced significantly in the wells or site CULs have been reached. The duration of Phase 3 is estimated to be 24 to 48 months.

3.2. SYSTEM OPERATION AND MAINTENANCE

The system construction contractor (Glacier) performed system O&M until transitioning responsibility to ERRG on 04 March 2025. System O&M activities were performed in accordance with the O&M Manual ([Kennedy Jenks, 2024b](#)). [Sections 3.2.1 and 3.2.2](#) describe the weekly and monthly O&M activities.

3.2.1. Weekly O&M

A visual inspection, temperature check, and removal of accumulated debris of the catalytic oxidizer within the VTS were performed weekly. The catalytic oxidizer was observed as operational and in working condition; no deficiencies were noted during the inspection. Site inspections are documented in the System Monitoring Forms ([Appendix A](#)).

3.2.2. Monthly O&M

Monthly general inspections were performed of the following items:

- Equipment piping
- Manifold piping
- Gas and electrical lines

- Programmable logic controller
- Treatment shed
- Vapor pins (located on the VTS)
- Liquid ring pump (located on the VTS)
- Heat exchanger (located on the VTS)
- Transfer pumps (located on the WTS)
- Bag filter (located on the WTS)
- Liquid GAC vessels (located on the WTS)
- Oxygen generator and air compressor (located on the WTS)

The system was observed to be operational and in good working condition; no deficiencies were noted during the inspection. Site inspections are documented in the System Monitoring Forms ([Appendix A](#)).

3.3. SYSTEM MONITORING

The following system parameters were monitored during this event:

- Ambient air temperature
- Ambient barometric pressure
- Vacuum and flow of EIW and SSD wells
- Vacuum and flow of the VTS
- Vacuum of vapor pins
- Temperature of the catalytic oxidizer
- Volatile organic compound (VOC) concentrations at the EIWs, SSD wells, vapor pins and VTS
- pH and turbidity of the WTS
- Volume discharged to sewer by WTS

[Sections 3.3.1, 3.3.2, and 3.3.3](#) provide additional details on system monitoring activities. All monitoring data are logged on the System Monitoring Forms ([Appendix A](#)).

3.3.1. Well VOCs, Vacuum, and Flow

VOC concentrations, vacuum, and flow are measured monthly at the well manifold. A photoionization device (PID) is used to measure VOC concentration at each EIW and SSD, as well as the monitoring four vapor pins located inside the adjacent buildings. Vacuum is measured based on the pressure gauge readings along the well manifold for each EIW and SSD well, if the well was active. Flow at each EIW and SSD is

measured using an anemometer. SSD and vapor pins are monitored for additional gas measurements, such as carbon dioxide, hydrogen sulfide, methane, and oxygen.

3.3.2. System VOCs, Vacuum, and Flow

VOC concentrations, vacuum, and flow are measured monthly at VTS. VOC concentrations in influent and effluent are measured with a PID. VTS vacuum and flow are recorded based on the readings on the system status panel.

3.3.3. System Liquid Discharge

The total volume discharged from the WTS to the sewer is currently measured with a temporary flowmeter and then calculating the change between totalizer measurements. Glacier installed a permanent flowmeter after the alternate discharge outlet construction activities were completed in February 2025.

3.4. SYSTEM SAMPLING

This section describes the as-needed vapor sampling, as well as system compliance vapor and water samples, which were collected monthly during Phase 1 and submitted for laboratory analysis in accordance with the SAP/QAPP (Kennedy Jenks, 2024a). [Table 2](#) summarizes system performance and recorded field measurements.

3.4.1. Vapor Pin Sampling

Vapor samples were collected on 13 February 2025 at vapor pins VP-3, and VP-4, using Summa canisters. Sampling was performed in response to PID measurements exceeding 425 ppb at both vapor pins on 31 January 2025. Samples were submitted to an offsite laboratory for analysis of VOCs (including GRO and BTEX) by Method TO-15. Results are presented in [Table 3](#) and discussed in [Section 5.2.1](#).

3.4.2. VTS Sampling

Monthly VTS samples were collected from two locations (influent and effluent of the catalytic oxidizer) using 1-liter Summa canisters on 17 January 2025, 13 February 2025, and 24 March 2025. Samples were submitted to an offsite laboratory for analysis of VOCs (including GRO and BTEX) by Method TO-15. Results are presented in [Table 4](#), shown on [Figure 4](#), and discussed in [Section 5.2.2](#).

3.4.3. WTS Sampling

Monthly WTS samples were collected from the following three locations throughout the system: influent to the lead liquid GAC vessel, midpoint between the lead and lag liquid GAC vessel, and effluent of the lag liquid GAC vessel. Results are presented in [Table 6](#), shown on [Figure 5](#), and discussed in [Section 5.2.3](#).

WTS samples were collected on 17 January 2025, 27 February 2025, and 21 March 2025 from LG-401, LG-403, and LG-404 (influent, midpoint, and effluent, respectively). Samples were submitted to an offsite laboratory for analysis of GRO, BTEX, and nonpolar fats, oil, and grease (FOG). Samples were also analyzed for selected chlorinated VOCs, as required per the KCIW permit. Field instruments were used to measure pH and turbidity.

3.5. FIELD QUALITY CONTROL

During the January 2025 WTS sampling event, three duplicates were collected at LG-404 (DUP-1, DUP-2, and DUP-3). DUP-1 was analyzed for GRO, BTEX, chlorinated VOCs, and FOG. DUP-2 and DUP-3 were analyzed for FOG only.

During the February 2025 and March 2025 WTS sampling events, two duplicates were collected at LG-404 (DUP-1 and DUP-2). DUP-1 was analyzed for GRO, BTEX, chlorinated VOCs, and FOG for each event, while DUP-2 was analyzed for FOG only.

3.6. INVESTIGATION-DERIVED WASTE

System operations generated the following IDW during the reporting period:

- Used WTS filter, which was placed inside a 55-gallon drum within the WTS containment area
- Treated and untreated system water during sample collection, which was placed into T-301 for processing

3.7. DEVIATIONS

No deviations with system monitoring or sampling were observed during the reporting period.

4. Groundwater Monitoring Activities

Groundwater monitoring is performed during remedial system operation for compliance and performance monitoring, as well as during confirmation monitoring after remedy implementation (Kennedy Jenks, 2024a). Each groundwater monitoring and sampling event includes measuring groundwater levels (and LNAPL levels, if applicable) (collectively known as “liquid levels”) in site monitoring wells and EIWs (as accessible) and collecting groundwater samples from select monitoring wells for laboratory analysis. Although LNAPL has not been observed in the site monitoring wells since October 2006 (EA, 2006), its presence will be monitored during the groundwater monitoring events.

4.1. GROUNDWATER MEASUREMENTS AND INSPECTIONS

Liquid-level measurements were obtained from all wells prior to collecting groundwater samples in accordance with Standard Operating Guideline (SOG)-005 in the O&M Manual (Kennedy Jenks, 2024b). Groundwater measurements were taken on 17 January 2025, 27 February 2025, and 21 March 2025, during the monthly events at the monitoring, compliance, and remediation wells (25 in total). Table 7 and Figure 6 show the groundwater elevation results, which are summarized in Section 5.3.1. An electronic oil/water interface probe was used to measure the depth to product and depth to water levels. Measurements were referenced to the top of the well casing on the north side.

4.2. GROUNDWATER SAMPLING

Groundwater samples were collected on 17 January 2025, 21 February 2025, and 28 March 2025, during each monthly sampling event using low-flow purging methodology in accordance with SOG-006 (Kennedy Jenks, 2024b). Table 8 and Figures 7 and 8 show the groundwater analytical results, which are summarized in Sections 5.3.2 and 5.3.3, for the first quarter monthly monitoring events.

Upon arrival, the condition of the well was noted and then an oil-water interface probe was used to measure the depth to water and total well depth to the nearest 0.01 foot from the top of the well casing to establish the appropriate purge volumes. Dedicated polyethylene tubing was used at each well prior to purging the well, and the tubing inlet was placed within the screened interval. Groundwater wells were purged using a portable peristaltic pump. Field parameters were monitored during the purging process using a multi-parameter water quality meter, equipped with a flow-through cell, to continuously monitor the following parameters: temperature, pH, specific conductivity, oxidation-reduction potential, and dissolved oxygen. Turbidity was measured using a separate turbidity meter. Meter readings were recorded at 5-minute intervals during the purging process, including a final reading taken at the completion of purging each well location.

The monitoring wells were purged at low-flow rates (5 to 50 milliliters per minute) and adjusted, as necessary, to minimize drawdown in the well until water quality parameters stabilized within ranges established in SOG-006 (Kennedy Jenks, 2024b). Parameter readings, as well as olfactory and visual

observations, obtained during the purging and sampling process were recorded on groundwater purge forms ([Appendix A](#)). Purged groundwater was containerized and managed as discussed in [Section 4.4](#).

4.3. EQUIPMENT DECONTAMINATION

All non-dedicated equipment used during sampling (oil-water interface probe, water quality meter, turbidity meter, and flow-through cell) were decontaminated in accordance with the SOG-008 ([Kennedy Jenks, 2024b](#)). Decontamination water was stored in a 55-gallon drum on the site.

All disposable personal protective equipment (i.e., gloves) and sampling equipment (i.e., tubing, paper towels, etc.) were placed in trash bags on the site during sampling and were disposed of as municipal solid waste at the end of the day.

4.4. INVESTIGATION-DERIVED WASTE

IDW generated during groundwater monitoring was purge water and equipment decontamination water. IDW was stored in 5-gallon buckets during sampling activities and then transferred to a 55-gallon steel drum on the site during the January 2025 event. The IDW was transferred from the drum to T-301 for treatment through the WTS during the February 2025 event. IDW was transferred after completion of monitoring activities into T-301 during the February 2025 and March 2025 events.

4.5. FIELD QUALITY CONTROL

In January 2025, a blind duplicate was collected from well MW-9 and submitted for analysis of GRO and BTEX. A trip blank was also submitted and analyzed for GRO and BTEX. In February 2025, a blind duplicate was collected from well MW-8 and submitted for analysis of GRO and BTEX. Two trip blanks were also submitted and analyzed for GRO and BTEX. In March 2025, a blind duplicate was collected from well MW-6 and submitted for analysis of GRO and BTEX. Two trip blanks were also submitted and analyzed for GRO and BTEX. [Appendix A](#) includes field documentation, and [Appendix B](#) includes the analytical laboratory reports.

4.6. DEVIATIONS

The deviations listed below were documented during the reporting period.

- Liquid level measurements were not collected at well MW-10 due to obstruction in well.
- Liquid level measurements were not collected at well MW-4 due to wellhead fitting. The well is currently equipped for extraction, and persistent removal and reinstallation of the fitting would damage the well and its components.
- Only one trip blank and no equipment blank were collected during the January 2025 event due to a shortage of available trip blank containers.

5. Results

This section summarizes the system monitoring and sampling results.

5.1. SYSTEM MONITORING

[Table 2](#) presents the system monitoring measurements recorded during the reporting period. [Table 5](#) presents the total volume discharged per month during the reporting period.

System influent flow rates ranged between 42 cubic feet per minute (cfm) and 112.8 cfm. System influent vacuum ranged from 14.2 pounds inches of mercury (inHg) to 24.7 inHg. VOC concentrations in vapor influent ranged from 61.6 ppm to 254.9 ppm. VOC concentrations in vapor effluent ranged from 0.198 ppm to 33.4 ppm.

EIW vacuum measurements ranged from 2 inHg at well RW-2 to 13 inHg at well RW-7. EIW flow rates ranged from 3 cfm at well RW-8 to 133.1 cfm at well RW-9. Measured VOC concentrations at EIWs ranged from 0 ppm at MW-4 to 698.2 ppm at RW-7.

Vapor pin vacuum measurements ranged from 0.001 inH₂O (inches of water) at vapor pin VP-2 to 0.14 inH₂O at vapor pin VP-1. VOC concentrations at vapor pins ranged from 0.108 ppm at VP-2 to 137.7 ppm at VP-4. Methane, oxygen, carbon dioxide, and hydrogen sulfide measurements were also collected at all vapor pins. Oxygen measurements ranged from 19.0% at VP-4 to 20.5% at VP-2, while carbon dioxide measurements ranged from 0.04% at VP-2 and 1.06% at VP-4. Methane and hydrogen sulfide were not observed in vapor pin measurements.

SSD vacuum measurements ranged from 0.661 inH₂O at SSD-1 to 18 inH₂O at SSD-3. SSD flow rates ranged from 4.2 cfm at SSD-1 to 22.8 cfm at SSD-3. VOC concentrations at SSD locations ranged from 2.3 ppm at SSD-3 to 118 ppb at SSD-2. Methane, oxygen, carbon dioxide, and hydrogen sulfide measurements were also collected at all vapor pins. Oxygen was measured at 20.9% at all SSD locations, while carbon dioxide measurements ranged from 0.02% at SSD-2 and 0.09% at SSD-3. Methane and hydrogen sulfide were not observed in SSD measurements.

During First Quarter 2025 reporting period, approximately 49,151 gallons of treated water were discharged to the sewer ([Table 5](#)).

5.2. SYSTEM VAPOR AND WATER SAMPLES

[Table 3](#) presents the analytical results for the as-needed vapor sampling event. [Table 4](#) and [Figure 4](#) present the analytical results from sampling VTS influent and effluent. [Table 6](#) and [Figure 5](#) present the analytical results from sampling WTS influent, midpoint, and effluent.

[Appendix B](#) includes the analytical laboratory reports for the soil vapor and water samples. Laboratory Data Consultants, Inc. completed Stage 2A validation of the data in accordance with the SAP/QAPP ([Kennedy Jenks, 2024a](#)). [Appendix C](#) includes the data validation reports.

[Sections 5.2.1, 5.2.2, and 5.2.3](#) summarize vapor pin, VTS, and WTS sample results, respectively.

5.2.1. As-Needed Vapor Sampling

Vapor pin samples were analyzed for VOCs, including GRO and BTEX, however only GRO was detected at concentrations exceeding the sub-slab soil gas screening levels, as summarized below.

- GRO concentrations exceeded the screening level of 1,500 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in both samples (VP-3 and VP-4), with concentrations of 1,920 $\mu\text{g}/\text{m}^3$ and 158,000 $\mu\text{g}/\text{m}^3$, respectively.
- Benzene, toluene, ethylbenzene, and total xylenes were detected in both samples (VP-3 and VP-4); however, concentrations did not exceed the screening levels of 460 $\mu\text{g}/\text{m}^3$, 76,000 $\mu\text{g}/\text{m}^3$, 15,000 $\mu\text{g}/\text{m}^3$, and 1,500 $\mu\text{g}/\text{m}^3$, respectively.

Additional VOCs that were detected in the vapor pin samples are provided in the laboratory analytical reports ([Appendix B](#)).

5.2.2. VTS Sampling

GRO and BTEX were detected in influent and effluent samples, as summarized below.

- GRO concentrations were 107,000 $\mu\text{g}/\text{m}^3$ (influent) and 1,020 $\mu\text{g}/\text{m}^3$ (effluent) in January 2025, 599,000 $\mu\text{g}/\text{m}^3$ (influent) and 2,500 $\mu\text{g}/\text{m}^3$ (effluent) in February 2025, and 300,000 $\mu\text{g}/\text{m}^3$ (influent) and 1,000 $\mu\text{g}/\text{m}^3$ (effluent) in March 2025.
- Benzene concentrations were 399 $\mu\text{g}/\text{m}^3$ (influent) and 9.14 $\mu\text{g}/\text{m}^3$ (effluent) in January 2025, 7,510 $\mu\text{g}/\text{m}^3$ (influent) and 28.7 $\mu\text{g}/\text{m}^3$ (effluent) in February 2025, and 6,900 $\mu\text{g}/\text{m}^3$ (influent) and 9.97 $\mu\text{g}/\text{m}^3$ (effluent) in March 2025.
- Toluene concentrations were 618 $\mu\text{g}/\text{m}^3$ (influent) and 1.17 $\mu\text{g}/\text{m}^3$ (effluent) in January 2025, 12,200 $\mu\text{g}/\text{m}^3$ (influent) and 28.0 $\mu\text{g}/\text{m}^3$ (effluent) in February 2025, and 13,100 $\mu\text{g}/\text{m}^3$ (influent) and not detected (effluent) in March 2025.
- Ethylbenzene concentrations were 1,040 $\mu\text{g}/\text{m}^3$ (influent) and 0.542 $\mu\text{g}/\text{m}^3$ (effluent) in January 2025, 3,680 $\mu\text{g}/\text{m}^3$ (influent) and 9.19 $\mu\text{g}/\text{m}^3$ (effluent) in February 2025, and 3,030 $\mu\text{g}/\text{m}^3$ (influent) and not detected (effluent) in March 2025.
- Total xylenes concentrations were 8,770 $\mu\text{g}/\text{m}^3$ (influent) and 0.808 $\mu\text{g}/\text{m}^3$ (effluent) in January 2025, 37,100 $\mu\text{g}/\text{m}^3$ (influent) and 40.9 $\mu\text{g}/\text{m}^3$ (effluent) in February 2025, and 30,500 $\mu\text{g}/\text{m}^3$ (influent) and 4.60 $\mu\text{g}/\text{m}^3$ (effluent) in March 2025.

Additional VOCs that were detected in the VTS samples are provided in the laboratory analytical reports ([Appendix B](#)).

5.2.3. WTS Sampling

During the January 2025 monitoring event, GRO was detected below the screening level concentration of 0.25 milligrams per liter (mg/L), at 0.109 mg/L in influent sample LG-401-INF (influent to lead liquid GAC vessel), and 0.119 mg/L in the triplicate sample for LG-404-EFF (effluent to lead liquid GAC vessel). All other analyte concentrations were below the detection limit for all samples collected.

In February 2025, analytes were not detected above the laboratory limit of detection all samples, except for the influent sample, where oil and grease, GRO, and tetrachloroethylene (PCE) were detected below their screening levels of 100 mg/L, 0.25mg/L, and 0.24 mg/L, respectively. Oil and grease were detected at a concentration of 11.9 mg/L, GRO was at 0.114 mg/L, and PCE was at 0.00336 mg/L.

In March 2025, analytes were not detected above the laboratory limit of detection all samples, except for the influent sample, where oil and grease, GRO, and total xylenes were detected below their screening levels of 100 mg/L, 0.25 mg/L, and 2.2 mg/L, respectively. Oil and grease were detected at a concentration of 6.31 mg/L, GRO was at 0.180 mg/L, and PCE was at 0.00604 mg/L.

Field instrument measurements for pH and turbidity were within permitted ranges. Measurements for pH ranged from 6.49 to 6.82, and turbidity measurements ranged from 19 to 40 nephelometric turbidity units.

5.3. GROUNDWATER RESULTS

This section summarizes the groundwater elevation results and the baseline and January groundwater sample results.

[Appendix B](#) includes the analytical laboratory reports for the groundwater samples, which underwent Stage 2A validation in accordance with the SAP/QAPP ([Kennedy Jenks, 2024a](#)). [Appendix C](#) includes the data validation reports prepared by Laboratory Data Consultants, Inc.

5.3.1. Groundwater Elevations Results

No LNAPL was observed during the baseline and January monitoring events. Between January 2025 and March 2025, depth-to-water measurements showed a general fluctuation of groundwater elevations across all monitoring wells and EIWs, as a result of start-up and the active groundwater extraction. Groundwater elevations in January 2025 ranged from 51.49 feet amsl to 60.92 feet amsl at wells MW-6 and MW-11, respectively. Groundwater elevations in February 2025 ranged from 51.43 feet amsl to 60.74 feet amsl at wells MW-6 and MW-11, respectively. Groundwater elevations in March 2025 ranged from 32.52 feet amsl to 62.05 feet amsl at wells MW-4 and MW-11, respectively. Depth-to-water measurements and

groundwater elevation contours for March 2025 are shown on [Figure 6](#) and calculations are summarized in [Table 7](#). Due to high concentrations of analytes, dilutions were required for certain samples in order to obtain results within the instrument calibration range, which increases laboratory limit of detection for all analytes. In samples, with elevated concentrations of detected analytes, some analytes may be reported as non-detected due to the increased limit of detection.

5.3.2. January 2025 Groundwater Sampling Results

During the January 2025 event, GRO and/or BTEX analytes were detected at concentrations exceeding their respective cleanup levels¹ in seven monitoring wells, as summarized below.

- GRO was detected at concentrations ranging from 117 µg/L to 18,300 µg/L in wells MW-18 and MW-8, respectively. GRO concentrations ranging from 3,850 µg/L to 18,300 µg/L exceeded the cleanup level of 800 µg/L in six wells (MW-8, MW-9 [in primary and duplicate], MW-13, MW-19, MW-20, and MW-21).
- Benzene was detected at concentrations ranging from 46.2 µg/L to 3,130 µg/L in wells MW-6, MW-13, MW-19, MW-20, and MW-21. All detected benzene concentrations exceeded the cleanup level of 5 µg/L.
- Toluene was detected at concentrations ranging from 1.67 µg/L to 1,780 µg/L in wells MW-6 and MW-21, respectively. The detected toluene concentration in well MW-21 exceeded the cleanup level of 1,000 µg/L.
- Ethylbenzene was detected at concentrations ranging from 5.28 µg/L to 1,270 µg/L in wells MW-6 and MW-8, respectively. Ethylbenzene concentrations (1,270 µg/L, 712 µg/L, and 712 µg/L) exceeded the cleanup level of 700 µg/L in three wells (MW-8, MW-13, and MW-20, respectively).

5.3.3. February 2025 Groundwater Sampling Results

During the February 2025 event, GRO and/or BTEX analytes were detected at concentrations exceeding their respective groundwater levels¹ in seven monitoring wells, as summarized below.

- GRO was detected at concentrations ranging from 5,270 µg/L to 69,000 µg/L in wells MW-9 and MW-21, respectively, which exceeded the cleanup level of 800 µg/L in six wells (MW-8 [in primary and duplicate], MW-9, MW-13, MW-19, MW-20, and MW-21).
- Benzene was detected at concentrations ranging from 22.7 µg/L to 16,400 µg/L in wells MW-6 and MW-21, respectively. All detected benzene concentrations exceeded the cleanup level of 5 µg/L, across seven wells (MW-6, MW-8, MW-9, MW-13, MW-19, MW-20, and MW-21).

¹ Cleanup levels are based on MTCA Method A Groundwater CULs (WAC 173-340-720, Table 720-1) ([Kennedy Jenks, 2024a](#)).

- Toluene was detected at concentrations ranging from 32.5 µg/L to 14,700 µg/L in wells MW-9 and MW-21, respectively. The detected toluene concentration in wells MW-8 (1,140 µg/L, only in the duplicate), MW-20 (7,970 µg/L), and MW-21 (14,700 µg/L), exceeded the cleanup level of 1,000 µg/L.
- Ethylbenzene was detected at concentrations ranging from 1.38 µg/L to 1,070 µg/L in wells MW-6 and MW-8, respectively. Ethylbenzene concentrations (1,070 µg/L, 719 µg/L, 920 µg/L, and 970 µg/L) exceeded the cleanup level of 700 µg/L in four wells (MW-8, MW-19, MW-20, and MW-21, respectively).
- Total xylenes were detected at concentrations ranging from 665 µg/L to 6,390 µg/L in wells MW-9 and MW-21, respectively. Total xylenes concentrations ranging from 3,820 µg/L to 6,390 µg/L exceeded the cleanup level of 1,000 µg/L in five wells (MW-8 [in primary and duplicate], MW-13, MW-19, MW-20, and MW-21).

5.3.4. March 2025 Groundwater Sampling Results

During the March 2025 event, GRO and/or BTEX analytes were detected at concentrations exceeding their respective groundwater levels¹ in seven monitoring wells, as summarized below.

- GRO was detected at concentrations ranging from 128 J+ µg/L to 47,200 µg/L in wells RW-1 and MW-21, respectively. GRO concentrations (16,200 µg/L, 5,000 µg/L, 8,290 µg/L, 13,500 µg/L, 25,400 µg/L, and 47,200 µg/L) exceeded the cleanup level of 800 µg/L in six wells (MW-8, MW-9, MW-13, MW-19, MW-20, and MW-21, respectively).
- Benzene was detected at concentrations ranging from 19.1 µg/L to 9,270 µg/L in wells MW-6 and MW-21, respectively. Benzene concentrations exceeded the cleanup level of 5 µg/L, across seven wells (MW-6, MW-8, MW-9, MW-13, MW-19, MW-20, and MW-21).
- Toluene was detected at concentrations ranging from 20.4 µg/L to 8,460 µg/L in wells MW-9 and MW-21, respectively. The detected toluene concentration in wells MW-20 (3,070 µg/L), and MW-21 (8,460 µg/L), exceeded the cleanup level of 1,000 µg/L.
- Ethylbenzene was detected at concentrations ranging from 1.22 µg/L to 1,540 µg/L in wells MW-6 and MW-21, respectively. Ethylbenzene concentrations (725 µg/L, 886 µg/L, and 1,540 µg/L) exceeded the cleanup level of 700 µg/L in three wells (MW-19, MW-20, and MW-21, respectively).
- Total xylenes were detected at concentrations ranging from 508 µg/L to 7,400 µg/L in wells MW-9 and MW-21, respectively. Total xylenes concentrations ranging from 1,360 µg/L to 7,400 µg/L exceeded the cleanup level of 1,000 µg/L in five wells (MW-8, MW-13, MW-19, MW-20, and MW-21).

Groundwater samples collected during the March 2025 event were also analyzed for chlorinated volatile organic compounds (CVOCs), as requested by Ecology.

- Trichloroethene was detected in five wells (MW-6, MW-17, MW-18, MW-19, and RW-1), with concentrations ranging from 2.85 µg/L to 185 µg/L in wells MW-18 and MW-19, respectively.
- cis-1,2-Dichloroethene was detected in five wells (MW-6, MW-17, MW-18, MW-19, and RW-1), with concentrations ranging from 1.91 µg/L to 142 µg/L in wells MW-18 and MW-19, respectively.
- Tetrachloroethene was detected in four wells (MW-17, MW-18, MW-19, and RW-1), with concentrations ranging from 82.5 µg/L to 1030 µg/L in wells MW-18 and MW-17, respectively.
- Vinyl chloride was detected in one well, MW-6, with a concentration of 13.2 µg/L.
- Trans-1,2-Dichloroethene was not detected in any of the wells.

Table 8 summarizes the March 2025 groundwater results. Figures 6 and 7 show the TPH-G and benzene concentration contours, respectively.

6. Conclusions and Recommendations

This section summarizes the conclusions and recommendations for the site based on the system operation, monitoring, sampling, and maintenance activities completed during the First Quarter 2025 reporting period.

6.1. CONCLUSIONS

The remedial system operated under Phase 1 conditions from 17 December 2024 through 31 January 2025. Extraction/injection piping was removed from the EIWs prior to continuous operation to focus on vapor extraction and minimize water discharge, while discharge outlet piping issues were being resolved. EIW adjustments were based on discussions between Glacier and Kennedy Jenks during this reporting period.

6.1.1. Vapor Monitoring and Sampling

VOC PID readings exceeded 100 ppm at three EIWs (RW-4, RW-7, and RW-8) and exceeded 425 ppb at all four vapor pins, as shown in [Table 2](#). Only VP-3 and VP-4 exceeded 425 ppb when measured by ERRG, which were then sampled with Summa canisters for laboratory analysis. Samples from the vapor pins exhibited GRO concentrations exceeding the 1,500 $\mu\text{g}/\text{m}^3$ screening level² ([Table 3](#)). Although BTEX concentrations were detected in both samples, all BTEX concentrations were less than their respective screening levels² ([Appendix B](#)).

6.1.2. System Vapor and Water Treatment

The VTS and WTS operated as intended during the reporting period. GRO and benzene concentrations in effluent vapor were less than the PSCAA emission limits. All analyte concentrations for the WTS effluent samples were also less than their respective KCIW permit limits. [Figures 4 and 5](#) show the GRO and benzene concentrations in vapor effluent and liquid effluent samples across each event.

6.1.3. Groundwater Monitoring and Sampling

[Figure 6](#) shows the groundwater elevation contours for March 2025. Groundwater elevations between January 2025 and March 2025 show offsite groundwater flow in a south to southeast direction from wells MW-11 and MW-2 ([Table 7](#)). Groundwater elevations northeast of the WTS are relatively flat, while groundwater from MW-17 and MW-18 flows north by northwest, toward MW-21, and the localized area of depression in the vicinity of well MW-6 and MW-7, consistent with historical groundwater flow.

[Figure 7](#) and [Figure 8](#) present the contours for GRO and benzene concentrations detected at the site during the March 2025 event, respectively. The benzene and GRO plumes are largely bounded within the site

² Screening levels are based on MTCA Method B, “Noncancer Sub-Slab Soil Gas Screening Level – Cleanup Levels and Risk Calculation Vapor Intrusion Method B Table, February 2025” ([Kennedy Jenks, 2024a](#)). Also available online at: <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-cleanup-tools/clarc/data-tables>.

property boundaries, with the northern portion extending into the adjacent road and sidewalk. Following start-up and groundwater extraction, a large depression of elevated concentrations has formed around MW-20 and MW-21. These concentrations drop down rapidly in all directions, with elevated GRO concentrations extending north, towards MW-8. GRO and/or BTEX concentrations exceeding the cleanup levels³ were observed in seven monitoring wells in January 2025, February 2025, and March 2025. A decrease in concentrations was observed in monitoring wells MW-6, MW-8, and MW-13, while fluctuation was observed in monitoring wells MW-19, MW-20, and MW-21.

GRO concentrations exceeded the cleanup level of 800 µg/L in six wells (MW-8, MW-9, MW-13, MW-19, MW-20, and MW-21) between January 2025 and March 2025. GRO concentrations did not decrease to below cleanup levels in any wells. Concentrations decreased in five wells (RW-1, MW-6, MW-8, MW-13, and MW-19), and increased in three wells (MW-9, MW-20, and MW-21) between the January 2025 and March 2025 monitoring events.

Benzene concentrations exceeded the cleanup level of 5 µg/L in seven wells (MW-6, MW-8, MW-9, MW-13, MW-19, MW-20, and MW-21) between January 2025 and March 2025. Benzene concentrations did not decrease to below cleanup levels in any wells. Concentrations decreased in three wells (MW-6, MW-13, and MW-19), and increased in two wells (MW-20 and MW-21) between the January 2025 and March 2025 monitoring events.

Toluene concentrations exceeded the cleanup level of 1,000 µg/L in two wells (MW-20 and MW-21) between January 2025 and March 2025. Toluene concentrations did not decrease to below cleanup levels in any wells. Concentrations decreased in one well (MW-13), and increased in two wells (MW-20 and MW-21) between January 2025 and March 2025 monitoring events.

Ethylbenzene concentrations exceeded the cleanup level of 700 µg/L in five wells (MW-8, MW-13, MW-19, MW-20, and MW-21) between January 2025 and March 2025. Ethylbenzene concentrations (570 µg/L and 61.3 µg/L) decreased to below screening levels in two wells (MW-8 and MW-13). Additionally, concentrations increased in three wells (MW-19, MW-20, and MW-21) between January 2025 and March 2025 monitoring events.

Total xylenes concentrations exceeded the cleanup level of 1,000 µg/L in five wells (MW-8, MW-13, MW-19, MW-20, and MW-21) between January 2025 and March 2025. Total xylenes concentrations did not decrease to less than the cleanup levels in any wells. Concentrations decreased in three wells (MW-8, MW-13, and MW-19) and increased in two wells (MW-20 and MW-21) between the January 2025 and March 2025 monitoring events.

³ Cleanup levels are based on MTCA Method A Groundwater CULs in WAC 173-340-720, Table 720-1.

The blind duplicate sample collected in March 2025 from MW-6 presented no detectable concentrations for GRO or BTEX, likely due to the higher dilution factor compared to previous samples at that well. However, historical analyte concentrations from primary samples still present an overall decrease in GRO and BTEX. The variations in GRO and BTEX concentrations observed in monitoring wells during the first quarter is likely attributed to initial system operation. Comparisons of groundwater concentration contour maps between the October 2024 and March 2025 shows minimal change in the shape of the GRO and BTEX plume, however the concentrations decrease as you move outward from the center of the plume, near MW-20 and MW-21.

6.2. RECOMMENDATIONS

The recommendations listed below are based on the results of system monitoring and sampling.

- Continue to operate the remedial system under Phase 1 conditions.
- Focus extraction on EIWs with vapor concentrations greater than 100 ppm based on PID measurements.

6.2.1. Upcoming Work

The upcoming work is expected to be completed between the end of this reporting period through the subsequent reporting period, as summarized below.

- ERRG will continue O&M of remedial system.
- Glacier will remove catalytic oxidizer and ERRG will transition VTS to Vapor GAC vessels.
- Vapor monitoring of EIWs, vapor pins, SSD wells, and VTS will occur in April 2025.
- Vapor sampling at VTS influent and effluent will occur in April 2025, May 2025, and June 2025.
- Water sampling at WTS influent, midpoint, and effluent will occur in April 2025 and May 2025.
- Groundwater monitoring and sampling will occur in April 2025 and May 2025.
- As-needed vapor or water sampling.

6.2.2. Identified Problems and Proposed Solutions

The problems and proposed solutions summarized below were identified during the reporting period.

- Groundwater samples collected in March 2025 were analyzed for select CVOCs and detections for various CVOCs were observed in several wells.
 - Groundwater impacts via chlorinated VOCs will be resolved under separate Consent Decree or Agreed Order.

- Liquid level measurements are were unable to be collected at wells MW-4 and MW-10.
 - The current configuration of well MW-4 does not allow access to measure liquid levels. Persistent removal and reinstallation of the wellhead fitting would damage the well and effect extraction performance.
 - Well MW-10 will be abandoned at a later time by Ecology due to the obstruction observed in the well.
 - Liquid level measurements will be discontinued at MW-4 and MW-10.

7. References

- EA Engineering, Science, and Technology, Inc. (EA), 2006. “Circle K Station #1461, Groundwater Summary for August 2006, Recommendations for Additional Cleanup Action Tests.” November.
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- , 2009. “Draft Remedial Investigation/Feasibility Study, Circle K Station #1461, Seattle, WA.” September.

Figures

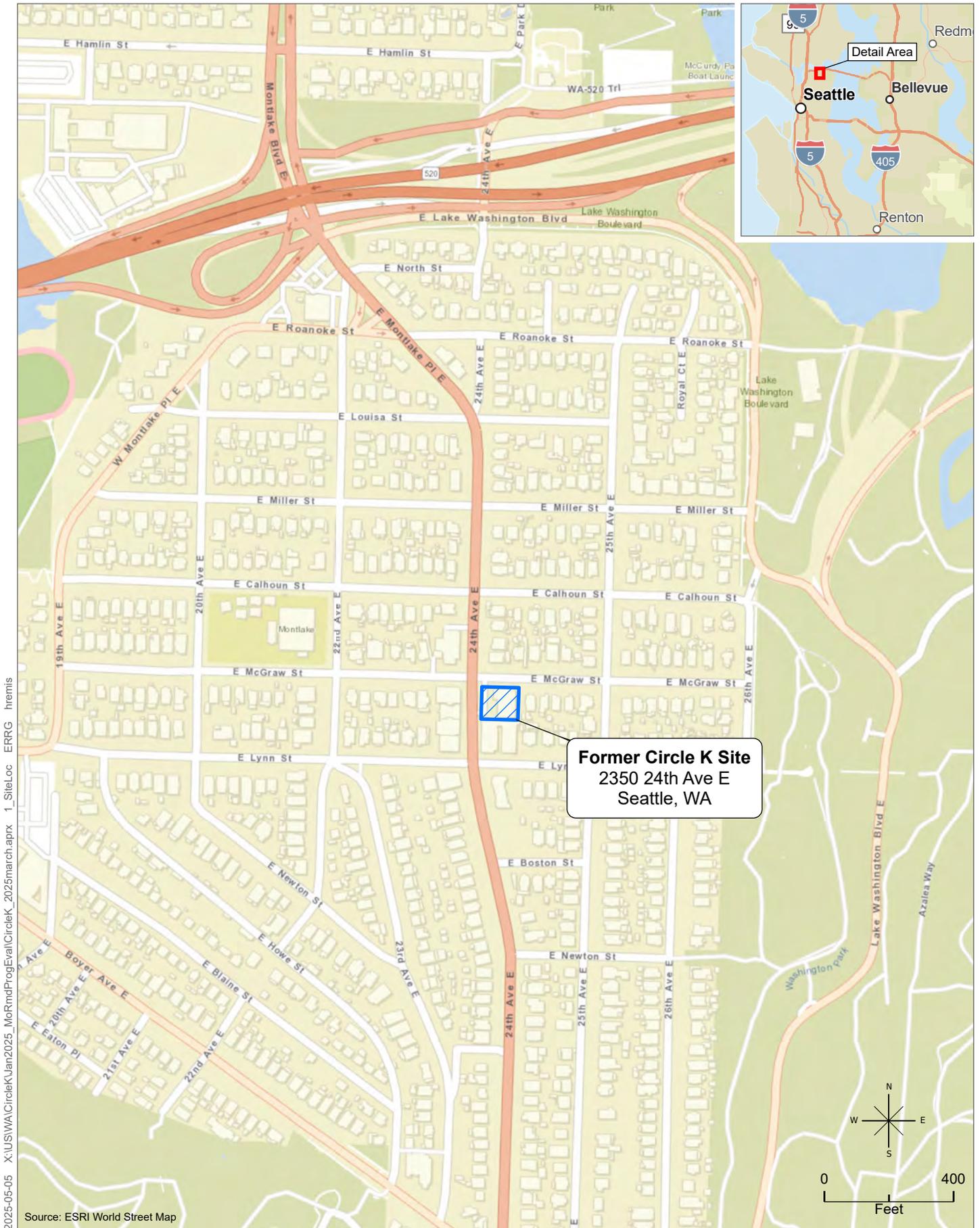
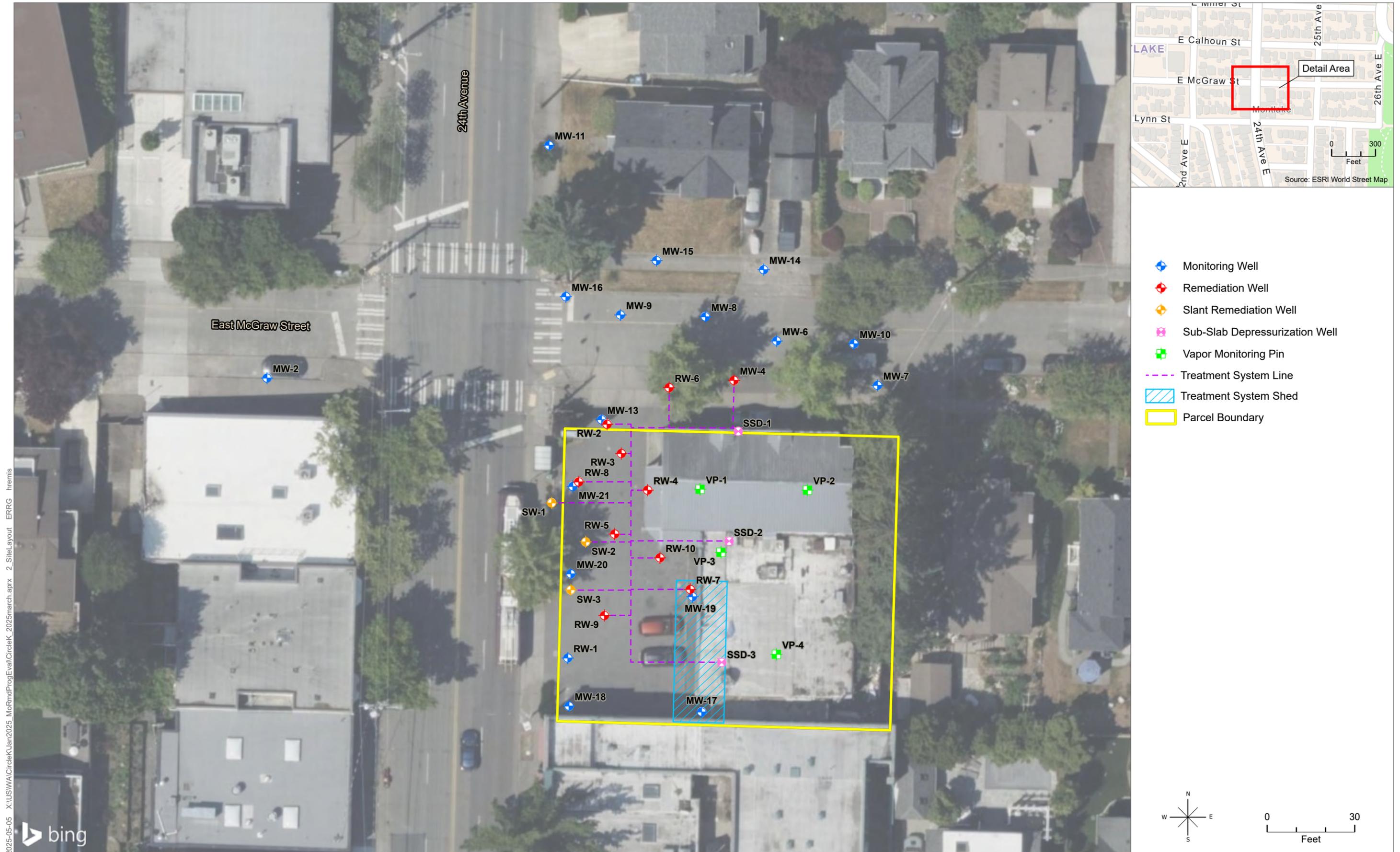


Figure 1. Site Location and Vicinity

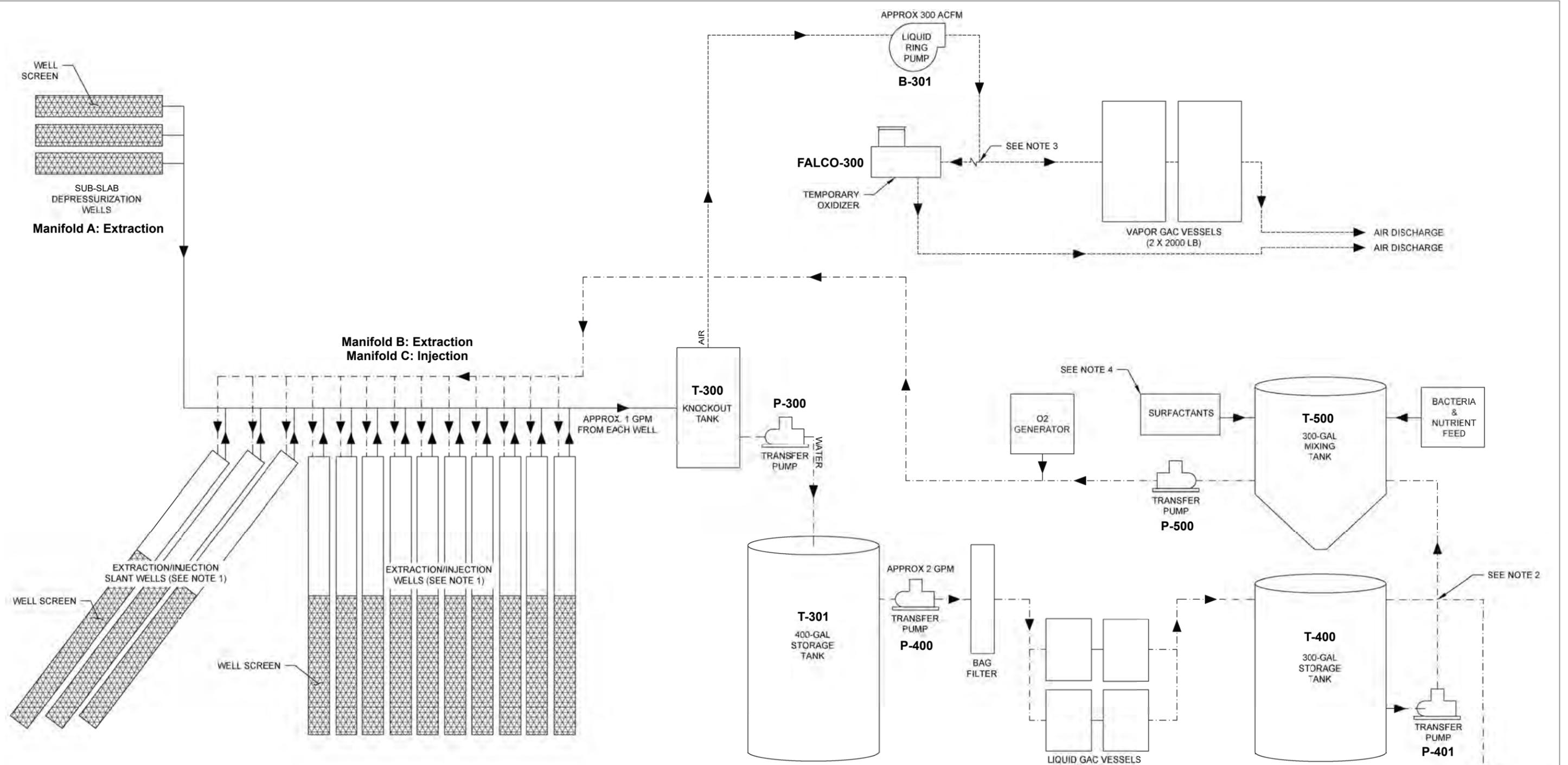
First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
Seattle, WA



2025-05-05 X:\US\WA\CircleK\Jan2025_MoRmdProgEval\CircleK_2025march.aprx 2_SiteLayout_ERRG hremis

Figure 2. Site Layout with System and Wells
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA

2025-05-05 X:\USWA\CircleK\Jan2025_MoRmdProgEval\CircleK_2025match.aprx_3_Proc.Flw.Dia_ERRG_Inremis



- Remediation System Operation Notes:**
 The following notes describe system operations after construction, and are intended solely to Inform the contractor of design intentions and guide construction efforts.
1. System will be operated to allow wells used for extraction to also be used for reinjection and vice versa. Operation of wells for extraction or reinjection will be based on site conditions, well locations, concentrations of the chemicals of concern, and the overall remediation progress.
 2. Groundwater initially extracted from the system is expected to be discharged to the sanitary sewer via gravity. Once groundwater concentrations are amenable to bioremediation via reinjection, water will be transferred to the mixing tank for amendment prior to reinjection. Excess water will gravity flow to the sanitary sewer. Volumes and flow rates will be determined during operation.
 3. Vapor will be directed through the temporary oxidizer for the first several months of operation until concentrations of the chemicals of concern have decreased to a level suitable for treatment via the vapor GAC vessels. The oxidizer will then be removed, and vapor will be directed through the GAC vessels prior to discharge.
 4. Surfactants will be added first to the water prior to reinjection to release additional hydrocarbons from the soil. Then, bacteria and nutrient feed will be added to the water prior to reinjection to create a microbial population to degrade hydrocarbons in situ.

Acronyms:
 ACFM actual cubic feet per minute
 APPROX. approximately
 GAC granular activated carbon
 GAL gallon
 GPM gallons per minute
 O2 oxygen

Source:
 Sheet G-04, Treatment System Schematic.
 Circle K Site 1461 Environmental Remediation System Installation.
 Seattle, Washington.
 Washington State Department of Ecology, Bellevue, Washington.
 Kennedy Jenks

Figure 3. System Process Flow Diagram
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA



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Figure 4. GRO and Benzene Concentrations in System Vapor Influent and Effluent

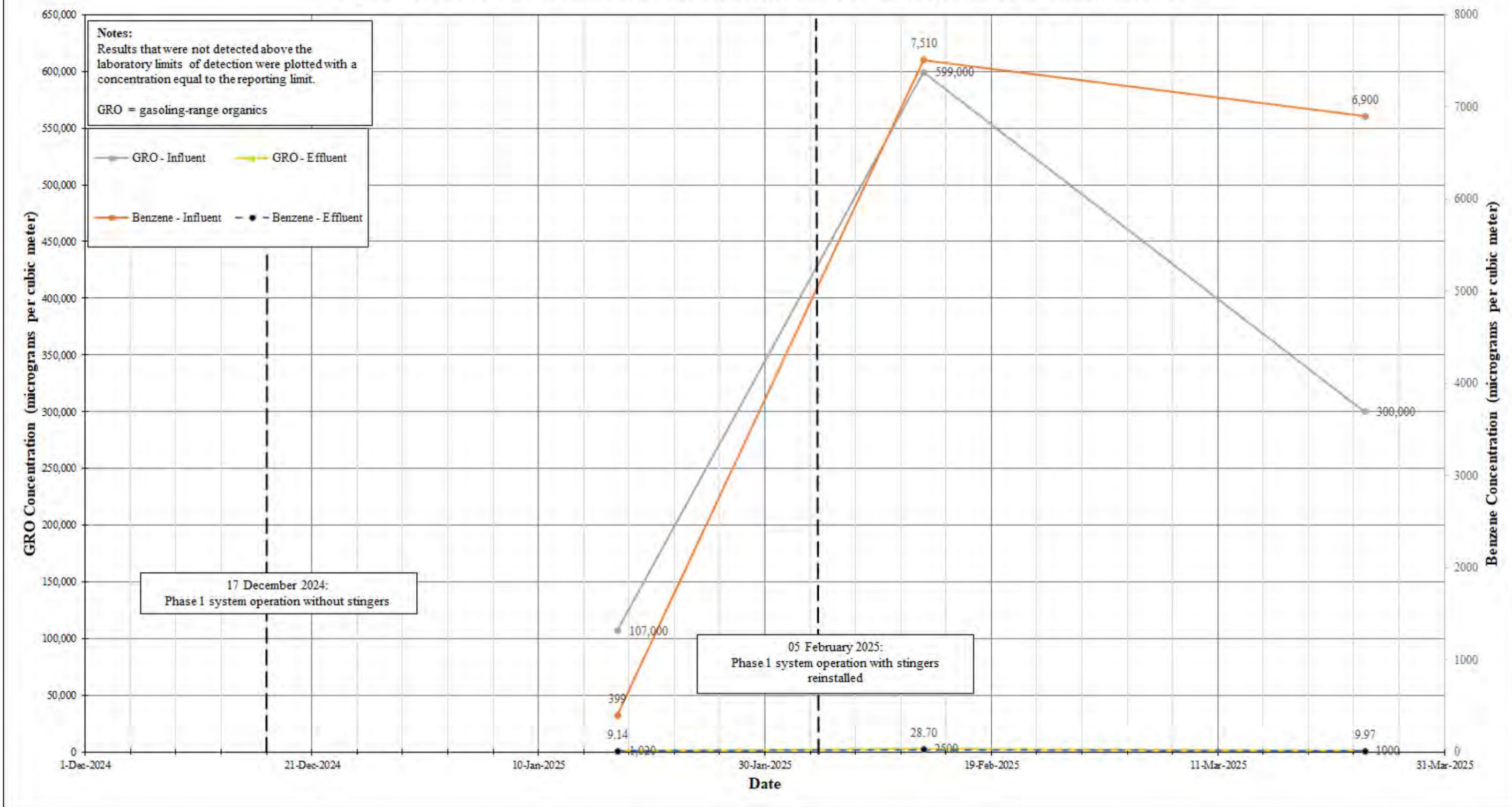
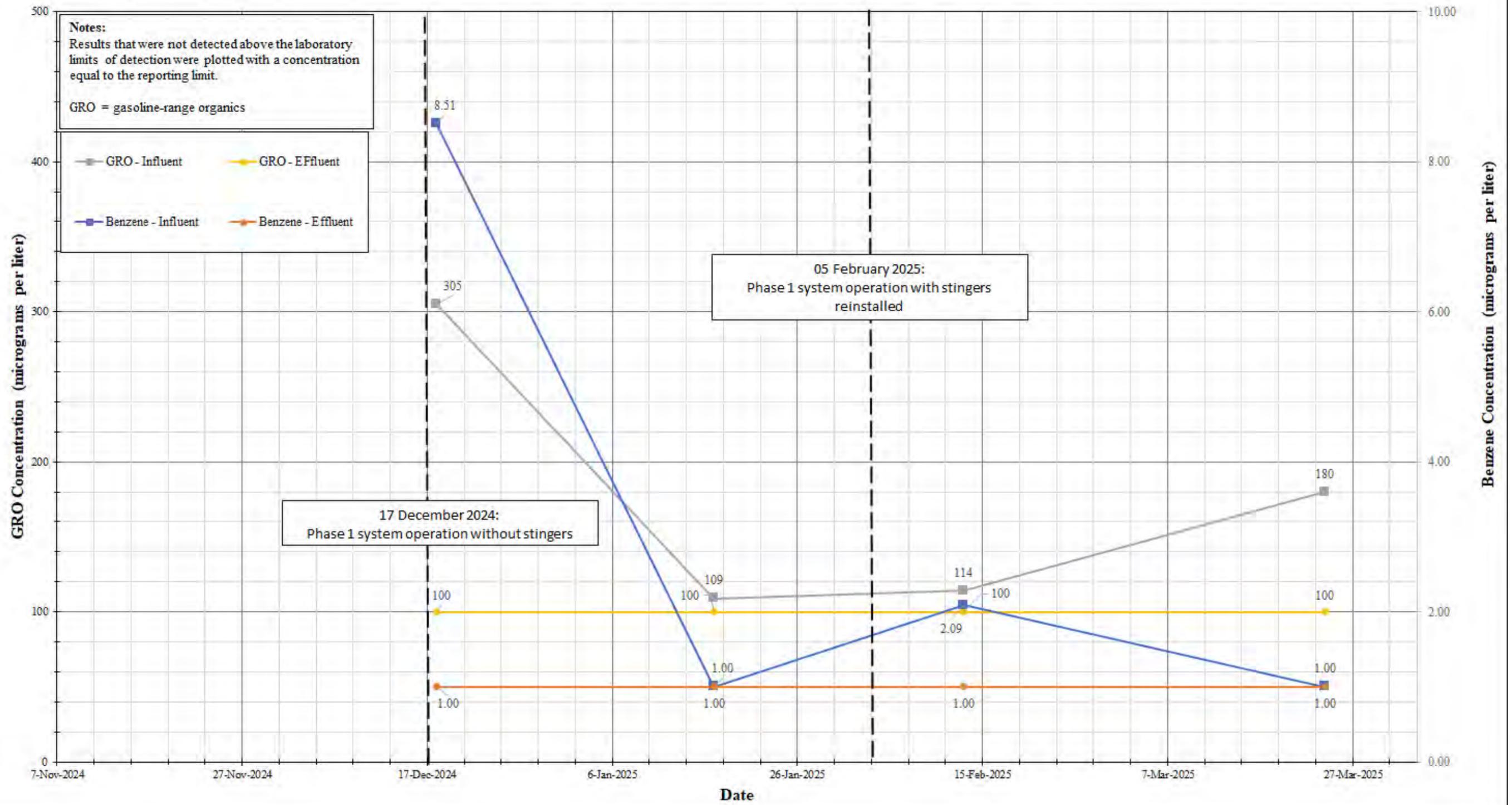


Figure 4. GRO and Benzene Concentrations in System Vapor Influent and Effluent
First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
Seattle, WA



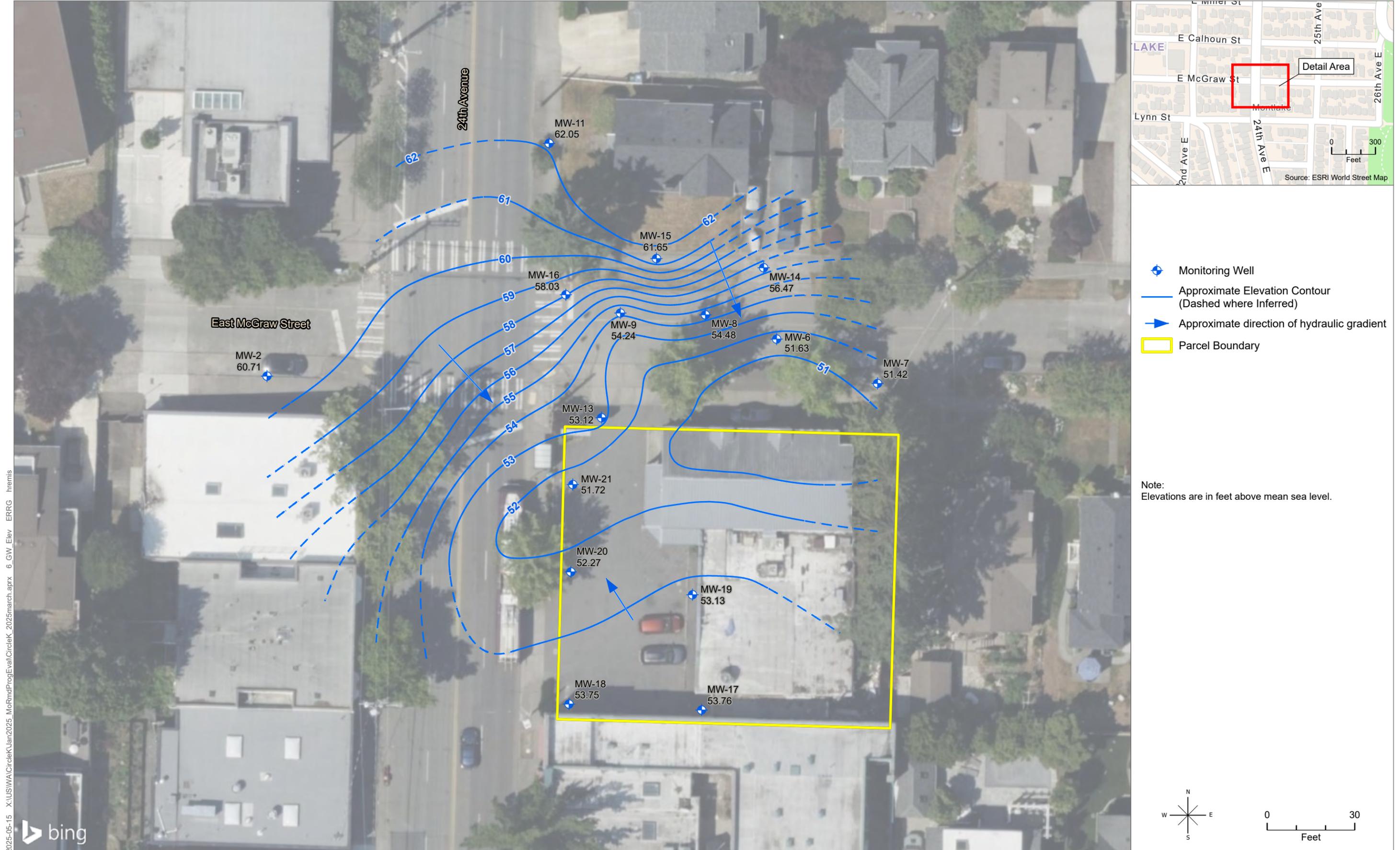
Figure 5. GRO and Benzene Concentrations System Water Influent and Effluent



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Figure 5. GRO and Benzene Concentrations in System Water Influent and Effluent
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA





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Figure 6. Groundwater Elevation Contours, March 2025
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA





2025-05-14 X:\US\WACircleKJan2025_MoRmdProgEval\CircleK_2025march.aprx 7_GasRO ERRG hremis

Figure 7. Groundwater Gasoline-Range Organics Contours, March 2025
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA





2025-05-13 X:\US\WACircleKJan2025_MoRmdProgEval\CircleK_2025march.aprx 8_Benzene ERRG hremis

Figure 8. Groundwater Benzene Concentration Contours, March 2025
 First Quarter 2025 Remedial Progress Evaluation Report for Former Circle K 1461
 Seattle, WA



Tables

Table 1. Well Construction Information

| Monitoring Well ID No. | Date Installed | Easting (feet) | Northing (feet) | MPE Well Group | Well Diameter (inches) | Screened Interval (feet bgs) | Top of Casing Elevation (feet amsl) | Well Use |
|------------------------|----------------|----------------|-----------------|----------------|------------------------|------------------------------|-------------------------------------|------------------|
| MW-2 | 9/11/1989 | 1278287.96 | 236985.88 | MW | 2 | 5.5–20.9 | 69.79 | Monitoring Well |
| MW-4 | 09/12/1989 | 1278447.91 | 236985.00 | 1 | 2 | 4–18.8 | 63.62 | Remediation Well |
| MW-6 | 10/02/1989 | 1278462.46 | 236998.42 | MW | 2 | 5–20.4 | 63.13 | Compliance Well |
| MW-7 | 10/02/1989 | 1278497.04 | 236983.26 | MW | 2 | 5–20.2 | 62.66 | Monitoring Well |
| MW-8 | 10/03/1989 | 1278438.10 | 237006.82 | MW | 2 | 5–20.3 | 63.59 | Compliance Well |
| MW-9 | 10/03/1989 | 1278408.96 | 237007.40 | MW | 2 | 5–21.2 | 64.3 | Compliance Well |
| MW-10 | 10/03/1989 | 1278488.93 | 236997.48 | MW | 2 | 5–20.4 | 62.86 | Monitoring Well |
| MW-11 | 10/04/1989 | 1278384.53 | 237065.31 | MW | 2 | 5–20 | 63.59 | Monitoring Well |
| MW-13 | 12/20/1989 | 1278402.55 | 236971.66 | MW | 2 | 4–19 | 65.08 | Compliance Well |
| MW-14 | 12/20/1989 | 1278458.03 | 237022.92 | MW | 2 | 4–19.3 | 63.3 | Compliance Well |
| MW-15 | 12/21/1989 | 1278421.35 | 237026.01 | MW | 2 | 4–18.7 | 64.18 | Compliance Well |
| MW-16 | 12/21/1989 | 1278390.29 | 237013.58 | MW | 2 | 4–19.2 | 64 | Compliance Well |
| MW-17 | 08/01/2016 | 1278436.82 | 236871.78 | MW | 2 | 4–19 | 65.98 | Compliance Well |
| MW-18 | 08/01/2016 | 1278391.36 | 236873.73 | MW | 2 | 5–15 | 66.73 | Compliance Well |
| MW-19 | 09/23/2016 | 1278433.66 | 236911.07 | MW | 2 | 5–20 | 66.36 | Compliance Well |
| MW-20 | 09/23/2016 | 1278392.00 | 236918.95 | MW | 4 | 5–20 | 66.17 | Compliance Well |
| MW-21 | 09/23/2016 | 1278392.68 | 236948.84 | MW | 4 | 5–20 | 65.89 | Compliance Well |
| RW-1 | 02/07/2017 | 1278390.95 | 236890.20 | MW | 4 | 5.5–20.5 | -- | Compliance Well |
| RW-2 | 02/09/2017 | 1278404.38 | 236970.10 | 4 | 4 | 5–20 | -- | Remediation Well |
| RW-3 | 02/09/2017 | 1278409.31 | 236960.04 | 1 | 4 | 5–20 | -- | Remediation Well |
| RW-4 | 02/08/2017 | 1278418.32 | 236947.52 | 2 | 4 | 5–20 | -- | Remediation Well |

Table 1. Well Construction Information *(continued)*

| Monitoring Well ID No. | Date Installed | Easting (feet) | Northing (feet) | MPE Well Group | Well Diameter (inches) | Screened Interval (feet bgs) | Top of Casing Elevation (feet amsl) | Well Use |
|------------------------|----------------|----------------|-----------------|----------------|------------------------|------------------------------|-------------------------------------|------------------------|
| RW-5 | 02/08/2017 | 1278407.00 | 236932.47 | 3 | 4 | 5–20 | -- | Remediation Well |
| RW-6 | 02/10/2017 | 1278425.63 | 236982.51 | 1 | 4 | 5–20 | -- | Remediation Well |
| RW-7 | 02/07/2017 | 1278432.90 | 236913.61 | 4 | 4 | 5–20 | -- | Remediation Well |
| RW-8 | 02/07/2017 | 1278394.71 | 236950.38 | 2 | 4 | 5–20 | -- | Remediation Well |
| RW-9 | 02/08/2024 | 1278403.54 | 236904.78 | 1 | 4 | 5–20 | -- | Remediation Well |
| RW-10 | 02/08/2024 | 1278422.51 | 236924.38 | 3 | 4 | 25–30 | -- | Remediation Well |
| SW-1 | 02/10/2024 | 1278385.44 | 236943.23 | 2 | 4 | 5–18 | -- | Slant Remediation Well |
| SW-2 | 02/12/2024 | 1278397.11 | 236929.86 | 3 | 4 | 5–18 | -- | Slant Remediation Well |
| SW-3 | 02/09/2024 | 1278392.00 | 236913.40 | 4 | 4 | 5–18 | -- | Slant Remediation Well |

Notes:

Monitoring Well = Existing monitoring well for groundwater level measurements only

Compliance Well = Existing monitoring well for groundwater compliance monitoring

Remediation Well = Existing injection/extraction remediation well

Slant Remediation Well = New slanted remediation well

amsl = above mean sea level

bgs= below ground surface

MPE = multiphase

-- = data were not available

Table 2. MPE System Performance and Recorded Field Measurements

| Monitoring Location ID No. | Date | System Monitoring | | Vapor Monitoring | | | | |
|--|------------------------|--|---------------|----------------------------|----------------------------|-----------------------|------------------------|---------------------------|
| | | Pressure/Vacuum (inHg, unless noted) | Flow (cfm) | VOCs ¹ (ppm) | CH ₄ (% LEL) | O ₂ (%) | CO ₂ (%) | H ₂ S (ppm) |
| Falco 300 Influent (Liquid Ring Pump for Pressure) | 1/3/2025 | 24.7 | 42 | 119.8 | | | | |
| | 1/6/2025 | 24.7 | 67 | -- | | | | |
| | 1/16/2025 | 21.6 | 76.4 | -- | | | | |
| | 1/17/2025 ² | -- | -- | 61.6 | | | | |
| | 1/23/2025 | 20.6 | 76.4 | -- | | | | |
| | 2/6/2025 | 16.3 | 112.4 | 254.9 | | | | |
| | 2/17/2025 | 16.3 | 98.2 | -- | | | | |
| | 2/19/2025 | 15.2 | 112.8 | 160.9 | | | | |
| | 3/7/2025 ² | 15.2 | 98 | 212 | | | | |
| | 3/14/2025 ² | 14.2 | 102 | -- | | | | |
| | 3/16/2025 ² | 18 | 87.5 | -- | | | | |
| | 3/21/2025 ² | 17.6 | 83.8 | -- | | | | |
| | 3/24/2025 ² | 17.6 | 82.9 | 153 | | | | |
| | 3/28/2025 ² | 16.5 | 86.4 | -- | | | | |
| Falco 300 Effluent | 1/3/2025 | | | 33.4 | | | | |
| | 1/17/2025 ² | | | 0.198 | | | | |
| | 2/19/2025 | | | 11.4 | | | | |
| | 3/7/2025 ² | | | 1.6 | | | | |
| | 3/24/2025 ² | | | 0.9 | | | | |
| RW-2 | 1/3/2025 | -8 | 9.7 | 2 | | | | |
| | 2/6/2025 | -8 | 17.6 | 0.9 | | | | |

Table 2. MPE System Performance and Recorded Field Measurements *(continued)*

| Monitoring Location ID No. | Date | System Monitoring | | Vapor Monitoring | | | | |
|----------------------------|-----------------------|--------------------------------------|------------|-------------------------|-------------------------|--------------------|---------------------|------------------------|
| | | Pressure/Vacuum (inHg, unless noted) | Flow (cfm) | VOCs ¹ (ppm) | CH ₄ (% LEL) | O ₂ (%) | CO ₂ (%) | H ₂ S (ppm) |
| RW-2 <i>(cont.)</i> | 2/19/2025 | -2 | -- | 32.8 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| RW-3 | 1/3/2025 | -3.5 | 7.5 | 8.1 | | | | |
| | 2/6/2025 | offline | -- | -- | | | | |
| | 2/19/2025 | -4.5 | -- | 14.5 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| RW-4 | 1/3/2025 | -6 | 7.5 | 8.1 | | | | |
| | 2/6/2025 | -8 | 0 | 151.3 | | | | |
| | 2/19/2025 | -5 | -- | 233.5 | | | | |
| | 3/7/2025 ² | -12 | 63 | 137 | | | | |
| RW-5 | 1/3/2025 | offline | -- | -- | | | | |
| | 2/6/2025 | offline | -- | -- | | | | |
| | 2/19/2025 | -4.5 | -- | 32.7 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| RW-6 | 1/3/2025 | -6 | 9.3 | 1.3 | | | | |
| | 2/6/2025 | -6 | 7.55 | 24.2 | | | | |
| | 2/19/2025 | -5 | -- | 23.4 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| RW-7 | 1/3/2025 | -5 | 24.7 | 18.3 | | | | |
| | 2/6/2025 | -8 | 0 | 56.1 | | | | |

Table 2. MPE System Performance and Recorded Field Measurements *(continued)*

| Monitoring Location ID No. | Date | System Monitoring | | Vapor Monitoring | | | | |
|----------------------------|-----------------------|--------------------------------------|------------|-------------------------|-------------------------|--------------------|---------------------|------------------------|
| | | Pressure/Vacuum (inHg, unless noted) | Flow (cfm) | VOCs ¹ (ppm) | CH ₄ (% LEL) | O ₂ (%) | CO ₂ (%) | H ₂ S (ppm) |
| RW-7 <i>(continued)</i> | 2/19/2025 | -5 | -- | 698.2 | | | | |
| | 3/7/2025 ² | -13 | 40 | 624 | | | | |
| RW-8 | 1/3/2025 | -6.5 | 27 | 9.5 | | | | |
| | 2/8/2025 | -8 | 3 | 334 | | | | |
| | 2/19/2025 | -5 | -- | 559.8 | | | | |
| | 3/7/2025 ² | -12 | 43 | 242 | | | | |
| RW-9 | 1/3/2025 | -2.5 | 133.1 | 3.1 | | | | |
| | 2/6/2025 | -7 | 0 | 27.5 | | | | |
| | 2/19/2025 | -4.5 | -- | 39.9 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| RW-10 | 1/3/2025 | -- | -- | -- | | | | |
| | 2/6/2025 | offline | -- | -- | | | | |
| | 2/19/2025 | -5 | 0 | 39.5 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| MW-4 | 1/3/2025 | offline | -- | -- | | | | |
| | 2/6/2025 | -12 | 5.46 | 0 | | | | |
| | 2/19/2025 | -5 | -- | 25.9 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| SW-1 | 1/3/2025 | 7.5 | 38.7 | 11.6 | | | | |
| | 2/6/2025 | offline | -- | -- | | | | |

Table 2. MPE System Performance and Recorded Field Measurements *(continued)*

| Monitoring Location ID No. | Date | System Monitoring | | Vapor Monitoring | | | | |
|----------------------------|------------------------|--------------------------------------|------------|-------------------------|-------------------------|--------------------|---------------------|------------------------|
| | | Pressure/Vacuum (inHg, unless noted) | Flow (cfm) | VOCs ¹ (ppm) | CH ₄ (% LEL) | O ₂ (%) | CO ₂ (%) | H ₂ S (ppm) |
| SW-1 <i>(cont.)</i> | 2/19/2025 | -5 | -- | 52 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| SW-2 | 1/3/2025 | offline | -- | -- | | | | |
| | 2/6/2025 | offline | -- | -- | | | | |
| | 2/19/2025 | -5 | -- | 51.5 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| SW-3 | 1/3/2025 | -4 | 67.8 | -- | | | | |
| | 2/6/2025 | -12.5 | -- | 1 | | | | |
| | 2/19/2025 | -4.5 | -- | 20.82 | | | | |
| | 3/7/2025 ² | offline | -- | -- | | | | |
| VP-1 | 1/3/2025 | 0.001 (inH ₂ O) | | 0.8 | | | | |
| | 1/31/2025 ² | -- | | 0.133 | 0 | 20.4 | 0.28 | 0.0 |
| | 2/6/2025 | -0.14 (inH ₂ O) | | 2.6 | -- | -- | -- | -- |
| VP-2 | 1/3/2025 | 0.001 (inH ₂ O) | | 0.6 | -- | -- | -- | -- |
| | 1/31/2025 ² | -- | | 0.108 | 0 | 20.5 | 0.04 | 0.0 |
| | 2/6/2025 | -0.1 (inH ₂ O) | | 6.6 | -- | -- | -- | -- |
| VP-3 | 1/3/2025 | 0.002 (inH ₂ O) | | 3.5 | -- | -- | -- | -- |
| | 1/31/2025 ² | -- | | 1.282 | 0 | 20.3 | 0.26 | 0.0 |
| | 2/6/2025 | -0.049 (inH ₂ O) | | 6.6 | -- | -- | -- | -- |
| VP-4 | 1/3/2025 | 0.003 (inH ₂ O) | | 38.1 | -- | -- | -- | -- |
| | 1/31/2025 ² | -- | | 18.7 | 0 | 19.0 | 1.06 | 0.0 |

Table 2. MPE System Performance and Recorded Field Measurements *(continued)*

| Monitoring Location ID No. | Date | System Monitoring | | Vapor Monitoring | | | | |
|----------------------------|-----------------------|--------------------------------------|------------|-------------------------|-------------------------|--------------------|---------------------|------------------------|
| | | Pressure/Vacuum (inHg, unless noted) | Flow (cfm) | VOCs ¹ (ppm) | CH ₄ (% LEL) | O ₂ (%) | CO ₂ (%) | H ₂ S (ppm) |
| VP-4 <i>(cont.)</i> | 2/6/2025 | -0.013 (inH ₂ O) | | 137.7 | -- | -- | -- | -- |
| | 2/19/2025 | 0.05 (inH ₂ O) | | 122 | -- | -- | -- | -- |
| SSD-1 | 2/6/2025 | -5 (inH ₂ O) | -- | -- | -- | -- | -- | -- |
| | 2/19/2025 | -1.5 (inH ₂ O) | -- | -- | -- | -- | -- | -- |
| | 3/7/2025 ² | -0.661 (inH ₂ O) | 4.2 | 0.020 | 0 | 20.9 | 0.08 | 0 |
| SSD-2 | 2/6/2025 | -5 (inH ₂ O) | -- | -- | -- | -- | -- | -- |
| | 2/19/2025 | -1.5 (inH ₂ O) | -- | -- | -- | -- | -- | -- |
| | 3/7/2025 ² | -1.006 (inH ₂ O) | 6.8 | 0.118 | 0 | 20.9 | 0.02 | 0 |
| SSD-3 | 2/6/2025 | -18 (inH ₂ O) | -- | -- | -- | -- | -- | -- |
| | 2/19/2025 | -4.9 inH ₂ O | -- | -- | -- | -- | -- | -- |
| | 3/7/2025 ² | -3.308 (inH ₂ O) | 22.8 | 0.0023 | 0 | 20.9 | 0.09 | 0 |

Notes:

1 = VOCs reading taken with low range sensor if concentrations for measurements <1.0 ppm.

2 = Measurement collected by ERRG

Gray Cell = measurement not required at location

cfm = cubic foot per minute

CH₄ = methane

CO₂ = carbon dioxide

H₂S = hydrogen sulfide

inHg = inch of mercury

inH₂O = inch of water

MPE = multiphase extraction

O₂ = oxygen

ppm = parts per million

ppb = parts per billion

VOC = volatile organic compounds

-- = not measured

%LEL = percentage of the lower explosive limit

Table 3. Vapor Analytical Results – First Quarter 2025

| Monitoring Well ID No. | Sample Date | VOCs by Method TO-15 | | | | |
|--|-------------|----------------------|----------------------|----------------------|---------------------------|----------------------------|
| | | GRO ¹ | Benzene ¹ | Toluene ¹ | Ethylbenzene ¹ | Total Xylenes ¹ |
| <i>Screening Level (µg/m³):</i> | | 1,500 | 460 | 76,000 | 15,000 | 1,500 |
| VP-3 | 02/13/2025 | 1,920 | 5.30 | 31.6 | 24.5 | 306 |
| VP-4 | 02/13/2025 | 158,000 | 4.73 | 31.8 | 23.2 | 227 |

Notes:

1 = Screening levels are based on updated MTCA Method B, "Noncancer Sub-Slab Soil Gas Screening Level – Cleanup Levels and Risk Calculation Vapor Intrusion Method B Table, February 2025" (Kennedy Jenks, 2024a). Also available online at: <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-cleanup-tools/clarc/data-tables>.

Bold = sample result was detected

Yellow = sample result exceeds the screening level

GRO = gasoline-range organics (as total petroleum hydrocarbons)

µg/m³ = micrograms per cubic meter

Table 4. MPE System Vapor Performance, Estimated Emissions and Limits

| Analytes of Concern | Date | Vapor Treatment System Results ($\mu\text{g}/\text{m}^3$) ¹ | | Estimated Emissions with System Flow of 100 cfm | | WAC 173-460-150 De Minimis and SQER Values ² | | | |
|----------------------------|------------|--|----------|---|------------------------------------|---|----------------------------------|------------------------------|----------------------------|
| | | Influent | Effluent | Treated Outlet Concentration Rate (lbs/24hr) | Outlet Concentration Rate (lbs/yr) | De Minimis ¹ (lbs/24hr) | De Minimis ¹ (lbs/yr) | SQER ¹ (lbs/24hr) | SQER ¹ (lbs/yr) |
| GRO | 01/17/2025 | 107,000 | 1,020 | 0.0092 | 3.4 | -- | -- | -- | -- |
| | 02/13/2025 | 599,000 | 2,500 | 0.022 | 8.2 | -- | -- | -- | -- |
| | 03/24/2025 | 300,000 | 1,000 | 0.0090 | 3.3 | -- | -- | -- | -- |
| Benzene | 01/17/2025 | 399 | 9.14 | 0.000082 | 0.030 | -- | 1.0 | -- | 21 |
| | 02/13/2025 | 7,510 | 28.7 | 0.00026 | 0.094 | -- | 1.0 | -- | 21 |
| | 03/24/2025 | 6,900 | 9.97 | 0.000090 | 0.033 | -- | 1.0 | -- | 21 |
| Toluene | 01/17/2025 | 618 | 1.17 U | 0.000011 | 0.0038 | 19 | -- | 370 | -- |
| | 02/13/2025 | 12,200 | 28 | 0.00025 | 0.092 | 19 | -- | 370 | -- |
| | 03/24/2025 | 13,100 | 1.88 U | 0.000017 | 0.0062 | 19 | -- | 370 | -- |
| Ethylbenzene | 01/17/2025 | 1,040 | 0.542 J | 0.0000049 | 0.0018 | -- | 3.2 | -- | 65 |
| | 02/13/2025 | 3,680 | 9.19 | 0.000083 | 0.030 | -- | 3.2 | -- | 65 |
| | 03/24/2025 | 3,030 | 0.867 U | 0.0000078 | 0.0028 | -- | 3.2 | -- | 65 |
| Total Xylenes | 01/17/2025 | 8,770 | 0.808 J | 0.0000073 | 0.0027 | 0.82 | -- | 16 | -- |
| | 02/13/2025 | 37,100 | 40.9 | 0.00037 | 0.13 | 0.82 | -- | 16 | -- |
| | 03/24/2025 | 30,500 | 4.60 | 0.000041 | 0.015 | 0.82 | -- | 16 | -- |
| Additional Analytes | | | | | | | | | |
| PCE | 01/17/2025 | 1.29 U | 66.2 | 0.00060 | 0.22 | -- | 1.3 | -- | 27 |
| | 02/13/2025 | 1,910 | 37.3 | 0.00034 | 0.12 | -- | 1.3 | -- | 27 |
| | 03/24/2025 | 136 U | 13.8 | 0.00012 | 0.045 | -- | 1.3 | -- | 27 |

Table 4. MPE System Vapor Performance, Estimated Emissions and Limits *(continued)*

| Analytes of Concern | Date | Vapor Treatment System Results ($\mu\text{g}/\text{m}^3$) ¹ | | Estimated Emissions with System Flow of 100 cfm | | WAC 173-460-150 De Minimis and SQER Values ² | | | |
|---|------------|--|----------|---|------------------------------------|---|----------------------------------|------------------------------|----------------------------|
| | | Influent | Effluent | Treated Outlet Concentration Rate (lbs/24hr) | Outlet Concentration Rate (lbs/yr) | De Minimis ¹ (lbs/24hr) | De Minimis ¹ (lbs/yr) | SQER ¹ (lbs/24hr) | SQER ¹ (lbs/yr) |
| Additional Analytes <i>(continued)</i> | | | | | | | | | |
| Vinyl Chloride | 01/17/2025 | 1.33 | 0.486 U | 0.0000044 | 0.0016 | -- | 0.92 | -- | 18 |
| | 02/13/2025 | 51.1 U | 0.667 | 0.0000060 | 0.0022 | -- | 0.92 | -- | 18 |
| | 03/24/2025 | 51.1 U | 0.511 U | 0.0000046 | 0.0017 | -- | 0.92 | -- | 18 |
| Chloroethane | 01/17/2025 | 0.501 | 0.427 J | 0.0000038 | 0.0014 | 110 | -- | 2,200 | -- |
| | 02/13/2025 | 52.8 U | 2.06 | 0.000019 | 0.0068 | 110 | -- | 2,200 | -- |
| | 03/24/2025 | 52.8 U | 0.615 | 0.0000055 | 0.0020 | 110 | -- | 2,200 | -- |
| Chloromethane | 01/17/2025 | 0.392 | 10.1 | 0.000091 | 0.033 | 0.33 | -- | 6.7 | -- |
| | 02/13/2025 | 41.3 U | 45.2 | 0.00041 | 0.148 | 0.33 | -- | 6.7 | -- |
| | 03/24/2025 | 41.3 U | 13.8 | 0.00012 | 0.045 | 0.33 | -- | 6.7 | -- |
| Methylene Chloride | 01/17/2025 | 0.660 | 3.58 | 0.000032 | 0.012 | -- | 490 | -- | 9,800 |
| | 02/13/2025 | 69.4 U | 24.0 | 0.00022 | 0.079 | -- | 490 | -- | 9,800 |
| | 03/24/2025 | 767 | 4.72 | 0.000042 | 0.0155 | -- | 490 | -- | 9,800 |

Notes:

- 1 = Emissions were calculated using the limit of detection for effluent results not detected above
- 2 = Washington Administrative Code 173-460-150 De Minimis and Small Quantity Emission Rate limits.

Green = emissions compared to their respective De Minimis and SQER limit

cfm = cubic feet per minute
 GRO = gasoline-range organics
 lbs/24hr = pounds per 24 hours
 lbs/yr = pounds per year
 MPE = multiphase extraction
 N/A = not applicable

PCE = tetrachloroethylene
 SQER = Small Quantity Emission Rate
 WAC = Washington Administrative Code
 $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
 U = not detected at the limit of detection.
 -- = no value available

Table 5. MPE System Liquid Performance and Volume Discharged and Injected – First Quarter 2025

| Month | Approximate Volume Extracted (gallons) ¹ | Cumulative Volume Discharged (gallons) | Maximum Daily Discharge Flow Rate (gpd) | Cumulative Volume Injected (gallons) | Maximum Injection Rate (gpd) | Notes |
|---------------|---|--|---|--------------------------------------|------------------------------|--|
| January 2025 | 7,920 | 9,090 | 561 | 0 | 0 | Continued Phase 1 operations without stingers; last meter reading 1/24/2025. |
| February 2025 | 20,081 | 29,171 | 1160 | 0 | 0 | Stingers reinstalled on 2/5/2025, continued Phase 1 operations, |
| March 2025 | 21,150 | 50,321 | 1020 | 0 | 0 | Continued Phase 1 operations |

Notes: Wastewater Discharge Authorization No. 4614-01.

1 = Volume estimated based on last recorded totalizer reading for the month.

gpd = gallons per day

MPE = multiphase extraction

Table 6. Water Treatment System Analytical Results – First Quarter 2025

| Sample Location | Sample Date | Water Quality Parameters | | Nonpolar FOG by EPA Method 1664B | Chemical of Concern | | | | | | | | | | |
|--|-------------------------|--------------------------|------|----------------------------------|------------------------|--------------------------|----------------|---------|----------------|---------------|---------|----------------|---------|---------------|----------------|
| | | | | | VOCs by Method NWTPHGX | VOCs by EPA Method 8260D | | | | | | | | | |
| | | | | | | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | TCE | Cis-1,2-DCE | PCE | Trans-1-2-DCE | Vinyl Chloride |
| <i>Screening Level¹ (mg/L):</i> | | 5.0–12.0 | 25 | 100 | 0.25 | 0.07 | 1.4 | 1.7 | 2.2 | 0.5 | 1 | 0.24 | 1 | 0.012 | |
| LG-401-INF | 1/17/2025 | 6.49 | 21 | 5.88 U | 0.109 | 0.001 U | 0.001 U | 0.001 U | 0.003 U | -- | -- | -- | -- | -- | |
| | 02/27/2025 | 6.61 | 48 | 11.9 J- | 0.114 | 0.00209 | 0.00183 | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.00336 | 0.001 U | 0.001 U | |
| | 03/21/2025 | 7.23 | 4.63 | 6.31 | 0.180 J+ | 0.001 U | 0.001 U | 0.001 U | 0.00604 | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 C3 | |
| LG-403-MID | 1/17/2025 | 6.75 | 19 | 5.88 U | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | -- | -- | -- | -- | -- | |
| | 02/27/2025 | 6.55 | 36 | 5.62 UJ | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| | 03/21/2025 | 7.22 | 2.84 | 5.81 U | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 C3 | |
| LG-404-EFF | 1/17/2025 ² | 6.82 | 23 | 5.49 U | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| DUP-1 | 1/17/2025 ² | -- | -- | 5.81 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DUP-2 | 1/17/2025 ² | -- | -- | 5.95 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DUP-3 | 1/17/2025 ² | 6.82 | 22 | 5.75 U | 0.119 | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| LG-404-EFF | 02/27/2025 ³ | 6.56 | 19 | 5.88 UJ | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| DUP-1 | 02/27/2025 ³ | 6.58 | 23 | 6.1 UJ | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| DUP-2 | 02/27/2025 ³ | -- | -- | 6.33 UJ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| LG-404-EFF | 03/21/2025 ⁴ | 7.23 | 2.91 | 5.95 U | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 C3 | |
| DUP-1 | 03/21/2025 ³ | 7.23 | 2.89 | 5.26 U | 0.1 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 C3 | |
| DUP-2 | 03/21/2025 ³ | -- | -- | 5.26 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

Notes:

- 1 = Screening levels are based on effluent limits in the KCIW Discharge Permit No. 4614-01.
- 2 = Samples DUP-1, DUP-2, and DUP-3, collected on 17 January 2025 are field duplicates of LG-404-EFF.
- 3 = Samples DUP-1, and DUP-2, collected on 27 February 2025 are field duplicates of LG-404-EFF.
- 4 = Samples DUP-1, and DUP-2, collected on 21 March 2025 are field duplicates of LG-404-EFF.

Bold = sample result was detected

DCE = dichloroethene

EPA = U.S. Environmental Protection Agency

FOG = fats, oils, and grease

GRO = gasoline-range organics

KCIW = King County Industrial Waste

mg/L = milligrams per liter

NTU = nephelometric turbidity unit

NWTPHGX = Northwest Total Petroleum Hydrocarbons as Gasoline

PCE = tetrachloroethene

TCE = trichloroethene

VOCs = volatile organic compounds

-- = sample was not analyzed for the water quality parameter, analyte, and/or chemical of concern

Laboratory Qualifiers:

J = Estimated: The analyte was positively identified; the quantitation is an estimation.

J- = Estimated, Low Bias: The result was an estimated quantity, but the result may be biased low.

J+ = Estimated, High Bias: The result was an estimated quantity, but the result may be biased high.

U = Not detected at the limit of detection.

UJ = Not detected at the limit of detection, but the limit is an estimation.

Table 7. Depth to Groundwater and Elevation – First Quarter 2025

| Monitoring Well ID No. ¹ | Date of Measurement | Depth to Water (feet bgs) | Top of Casing Elevation (feet amsl) | Groundwater Elevation (feet amsl) |
|-------------------------------------|---------------------|---------------------------|-------------------------------------|-----------------------------------|
| MW-2 | 1/17/2025 | 9.68 | 69.79 | 60.11 |
| | 02/21/2025 | 9.49 | 69.79 | 60.30 |
| | 03/28/2025 | 9.08 | 69.79 | 60.71 |
| MW-6 | 1/17/2025 | 11.64 | 63.13 | 51.49 |
| | 02/21/2025 | 11.70 | 63.13 | 51.43 |
| | 03/28/2025 | 11.50 | 63.13 | 51.63 |
| MW-7 | 1/17/2025 | 7.50 | 62.66 | 55.16 |
| | 02/21/2025 | 7.27 | 62.66 | 55.39 |
| | 03/28/2025 | 11.24 | 62.66 | 51.42 |
| MW-8 | 1/17/2025 | 9.13 | 63.59 | 54.46 |
| | 02/21/2025 | 9.53 | 63.59 | 54.06 |
| | 03/28/2025 | 9.10 | 63.59 | 54.49 |
| MW-9 | 1/17/2025 | 9.20 | 64.30 | 55.10 |
| | 02/21/2025 | 10.12 | 64.30 | 54.18 |
| | 03/28/2025 | 10.06 | 64.30 | 54.24 |
| MW-11 | 1/17/2025 | 2.67 | 63.59 | 60.92 |
| | 02/21/2025 | 2.85 | 63.59 | 60.74 |
| | 03/28/2025 | 1.54 | 63.59 | 62.05 |
| MW-13 | 1/17/2025 | 10.21 | 65.08 | 54.87 |
| | 02/21/2025 | 11.26 | 65.08 | 53.82 |
| | 03/28/2025 | 11.96 | 65.08 | 53.12 |
| MW-14 | 1/17/2025 | 7.57 | 63.30 | 55.73 |
| | 02/21/2025 | 7.51 | 63.30 | 55.79 |
| | 03/28/2025 | 6.83 | 63.30 | 56.47 |
| MW-15 | 1/17/2025 | 6.50 | 64.18 | 57.68 |
| | 02/21/2025 | 4.52 | 64.18 | 59.66 |
| | 03/28/2025 | 2.53 | 64.18 | 61.65 |
| MW-16 | 1/17/2025 | 8.11 | 64.00 | 55.89 |
| | 02/21/2025 | 8.37 | 64.00 | 55.63 |
| | 03/28/2025 | 5.97 | 64.00 | 58.03 |

Table 7. Depth to Groundwater and Elevation – First Quarter 2025 *(continued)*

| Monitoring Well ID No. ¹ | Date of Measurement | Depth to Water (feet bgs) | Top of Casing Elevation (feet amsl) | Groundwater Elevation (feet amsl) |
|-------------------------------------|---------------------|---------------------------|-------------------------------------|-----------------------------------|
| MW-17 | 1/17/2025 | 10.77 | 65.98 | 55.21 |
| | 02/21/2025 | 12.23 | 65.98 | 53.75 |
| | 03/28/2025 | 12.22 | 65.98 | 53.76 |
| MW-18 | 1/17/2025 | 11.79 | 66.73 | 54.94 |
| | 02/21/2025 | 12.71 | 66.73 | 54.02 |
| | 03/28/2025 | 12.98 | 66.73 | 53.75 |
| MW-19 | 1/17/2025 | 10.74 | 66.36 | 55.62 |
| | 02/21/2025 | 13.35 | 66.36 | 53.01 |
| | 03/28/2025 | 13.23 | 66.36 | 53.13 |
| MW-20 | 1/17/2025 | 10.53 | 66.17 | 55.64 |
| | 02/21/2025 | 13.29 | 66.17 | 52.88 |
| | 03/28/2025 | 13.90 | 66.17 | 52.27 |
| MW-21 | 1/17/2025 | 9.64 | 65.89 | 56.25 |
| | 02/21/2025 | 13.39 | 65.89 | 52.20 |
| | 03/28/2025 | 14.17 | 65.89 | 51.72 |
| RW-1 | 1/17/2025 | 11.14 | -- | -- |
| | 02/21/2025 | 12.70 | -- | -- |
| | 03/28/2025 | 13.19 | -- | -- |
| RW-2 | 1/17/2025 | 7.75 | -- | -- |
| | 02/21/2025 | 11.40 | -- | -- |
| | 03/28/2025 | 11.92 | -- | -- |
| RW-3 | 1/17/2025 | 6.85 | -- | -- |
| | 02/21/2025 | 11.65 | -- | -- |
| | 03/28/2025 | 12.10 | -- | -- |
| RW-4 | 1/17/2025 | 9.83 | -- | -- |
| | 02/21/2025 | 12.65 | -- | -- |
| | 03/28/2025 | 12.70 | -- | -- |
| RW-5 | 1/17/2025 | 11.31 | -- | -- |
| | 02/21/2025 | 12.76 | -- | -- |
| | 03/28/2025 | 13.81 | -- | -- |

Table 7. Depth to Groundwater and Elevation – First Quarter 2025 *(continued)*

| Monitoring Well ID No. ¹ | Date of Measurement | Depth to Water (feet bgs) | Top of Casing Elevation (feet amsl) | Groundwater Elevation (feet amsl) |
|-------------------------------------|---------------------|---------------------------|-------------------------------------|-----------------------------------|
| RW-6 | 1/17/2025 | 8.16 | -- | -- |
| | 02/21/2025 | 9.30 | -- | -- |
| | 03/28/2025 | 10.06 | -- | -- |
| RW-7 | 1/17/2025 | 7.71 | -- | -- |
| | 02/21/2025 | 12.39 | -- | -- |
| | 03/28/2025 | 12.97 | -- | -- |
| RW-8 | 1/17/2025 | 7.36 | -- | -- |
| | 02/21/2025 | 12.04 | -- | -- |
| | 03/28/2025 | 13.21 | -- | -- |
| RW-9 | 1/17/2025 | 10.55 | -- | -- |
| | 02/21/2025 | 14.17 | -- | -- |
| | 03/28/2025 | 13.81 | -- | -- |
| RW-10 | 1/17/2025 | 11.36 | -- | -- |
| | 02/21/2025 | 12.78 | -- | -- |
| | 03/28/2025 | 13.08 | -- | -- |

Notes:

1 = MW-4 excluded from the table because the wellhead is not fitted with a removable well cap to allow for measurements. MW-10 excluded from the table because it has remained obstructed through each January, February, and March 2025 event, rendering it inaccessible.

amsl = above mean sea level

bgs = below ground surface

-- = information not available

Table 8. Groundwater Analytical Results – First Quarter 2025

| Monitoring Well ID No. | Sample Date | Chemicals of Concern | | | | |
|--|-------------|--------------------------|--------------------------|--------------|--------------|--------------|
| | | GRO by Method NWTPHGX | VOCs by EPA Method 8260D | | | |
| | | | GRO | Benzene | Toluene | Ethylbenzene |
| <i>Cleanup Level¹ (µg/L):</i> | | 800 | 5 | 1,000 | 700 | 1,000 |
| RW-1 | 1/17/2025 | 167 J+ | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 223 U | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 128 J+ | 1 U | 1 U | 1 U | 3 U |
| MW-6 ² | 1/17/2025 | 263 J+ | 46.2 | 1.67 | 5.28 | 3 U |
| | 02/21/2025 | 109 U | 22.7 | 1 U | 1.38 | 3 U |
| | 03/28/2025 | 100 U | 19.1 | 1 U | 1.22 | 3 U |
| | 03/28/2025 | 100 U | 10 U | 10 U | 10 U | 30 U |
| MW-8 ³ | 1/17/2025 | 18,300 | 50 U | 188 | 1,270 | 4,920 |
| | 02/21/2025 | 23,400 | 50 U | 178 | 1,070 | 4,060 |
| | 02/21/2025 | 23,500 | 10 U | 1,140 | 186 | 4,210 |
| | 03/28/2025 | 16,200 | 50 U | 72.5 | 570 | 2,440 |
| MW-9 ⁴ | 1/17/2025 | 3,850 | 20 U | 20 U | 156 | 203 |
| | 1/17/2025 | 5,270 | 25 U | 25 U | 198 | 247 |
| | 02/21/2025 | 9,020 | 20 U | 32.5 | 351 | 665 |
| | 03/28/2025 | 5,000 | 20 U | 20.4 | 271 | 508 |
| MW-13 | 1/17/2025 | 16,100 | 380 | 847 | 712 | 7,430 |
| | 02/21/2025 | 14,100 | 352 | 580 | 409 | 5,140 |
| | 03/28/2025 | 8,290 | 180 | 138 | 61.3 | 1,360 |
| MW-14 | 1/17/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |

Table 8. Groundwater Analytical Results – First Quarter 2025 (continued)

| Monitoring Well ID No. | Sample Date | Chemicals of Concern | | | | |
|--|-------------|--------------------------|--------------------------|---------------|--------------|---------------|
| | | GRO by Method NWTPHGX | VOCs by EPA Method 8260D | | | |
| | | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes |
| <i>Cleanup Level¹ (µg/L):</i> | | 800 | 5 | 1,000 | 700 | 1,000 |
| MW-15 | 1/17/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| MW-16 | 1/17/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 112 U | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| MW-17 | 1/17/2025 | 300 J+ | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 323 | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 276 | 1 U | 1 U | 1 U | 3 U |
| MW-18 | 1/17/2025 | 117 J+ | 1 U | 1 U | 1 U | 3 U |
| | 02/21/2025 | 110 U | 1 U | 1 U | 1 U | 3 U |
| | 03/28/2025 | 100 U | 1 U | 1 U | 1 U | 3 U |
| MW-19 | 1/17/2025 | 14,800 | 402 | 669 | 684 | 4,490 |
| | 02/21/2025 | 17,100 | 336 | 933 | 718 | 3,820 |
| | 03/28/2025 | 13,500 | 122 | 802 | 725 | 3,430 |
| MW-20 | 1/17/2025 | 8,950 | 861 | 250 U | 712 | 2,880 |
| | 02/21/2025 | 41,600 | 7,730 | 7,970 | 920 | 4,940 |
| | 03/28/2025 | 25,400 | 2,420 | 3,070 | 886 | 4,620 |
| MW-21 | 1/17/2025 | 12,000 | 3,130 | 1,780 | 500 U | 2,820 |
| | 02/21/2025 | 69,000 | 16,400 | 14,700 | 970 | 6,390 |
| | 03/28/2025 | 47,200 | 9,270 | 8,460 | 1,540 | 7,400 |

Table 8. Groundwater Analytical Results – First Quarter 2025 *(continued)*

Notes:

1 = Screening levels are based on MTCA Method A Groundwater CULs (WAC 173-340-720, Table 720-1).

2 = Samples for MW-6 were field duplicated as DUP-1 on 3/28/2025.

3 = Samples for MW-8 were field duplicated as DUP-1 on 02/21/2025.

4 = Samples for MW-9 were field duplicated as DUP-1 on 1/17/2025.

Bold = sample result was detected

Yellow = sample result exceeds the cleanup level

CULs = cleanup levels

EPA = U.S. Environmental Protection Agency

GRO = gasoline-range organics

MTCA = Model Toxics Control Act

NWTPHGX = Northwest Total Petroleum Hydrocarbons as Gasoline

VOCs = volatile organic compounds

WAC = Washington Administrative Code

µg/L = micrograms per liter

Qualifiers:

J+ = Estimated, High Bias: The result was an estimated quantity, but the result may be biased high.

U= Not detected at the limit of detection.

Appendix A. Field Data During Reporting Period

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier Chris
 Date/time of data collection: 1/3/2025
 Weather: Rain

System On on Arrival? (circle): yes no
 System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | |
|--|---|--|----------------------|
| Barometric pressure (psi): | 29.7 | Barometric Pressure source: | iPhone weather app |
| Ambient Temperature (°F): | 47 | Ambient Temperature source: | iPhone weather app |
| Noise (dBA): | <i>If above 60 dBA, notify KJ personnel</i> | Noise measurement source: | hand held instrument |
| Moisture Separator Drained? (circle) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Active Alarm Conditions (circle, note affected equipment): | |
| Approximate volume (gal): | 13.17 | 1. No Alarm | |
| Catalytic Oxidizer Installed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. High Water Level Tank(s): | |
| Effluent Vapor VOC Conc (ppm): | 27 | 3. Low Water Level Tank(s): | |
| PID Calibration Performed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 4. High Pressure Equipment: | |
| PID Calibration | | 5. Low Pressure Equipment: | |
| Zero Gas | | 6. System Shutdown Equipment: | |
| Span Gas | | 7. Temperature Equipment: | |
| Calibration Value (ppm): | | 8. Other: | |
| Instrument Reading (ppm): | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | 8 | 9.7 | 2 | | Before MS | VI 210 | | 24 | | |
| RW-3 | 3.5 | 7.5 | 8.1 | | After MS | PI 310 | | 24.7 | | |
| RW-4 | 6 | 7.5 | 8.1 | | Before Blower | VI 300 | | 24.7 | | |
| RW-5 | 0 | 0 | 0 | | After Blower | PI/FI 302 | | 1.9 | | |
| RW-6 | 6 | 9.3 | 1.3 | | At Heat Exchanger | TT-302 | | 39.8 | | |
| RW-7 | 5 | 24.7 | 18.3 | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | 6.5 | 27 | 9.5 | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | 2.5 | 133.1 | 3.1 | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | 0 | 0 | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | 7.5 | 38.7 | 11.6 | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | 0 | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | 4 | 67.8 | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | 0 | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 628 T2 Exit 650 T3 Interior 664 | | | | |
| VP-1 | 0.001 | | 0.8 | | Catalytic Oxidizer PID (ppm) | Pre: 119.8 Post 33.4 | | | | |
| VP-2 | 0.001 | | 0.6 | | Catalytic Oxidizer Flow Rate (scfm) | Pre: 42 Post: | | | | |
| VP-3 | 0.002 | | 3.5 | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | 0.003 | | 38.1 | | FT 500 | | | | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Some flows not able to take due to moisture in lines. Fouls sensor | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Noise level collected at property line with traffic | <i>If exceeded, notify Kennedy Jenks personnel.</i> |
| FE302 tubing moisture restriction, disconnect and empty out | |
| T301 has 300 gallons, discharge flow meter 264120 | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/6/2025
 Weather: Rain

System On on Arrival? (circle): yes no

System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| Barometric pressure (psi): | Barometric Pressure source: | | | | | | | | | |
|--|--|-----------------|----------|----------|--------------------------|--|--|---------------------------|--|--|
| Ambient Temperature (°F): | Ambient Temperature source: | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: | | | | | | | | | |
| Approximate volume (gal): 13.17 | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): 27 | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PID Calibration</th> <th style="text-align: left;">Zero Gas</th> <th style="text-align: left;">Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td></td> <td></td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td></td> <td></td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | | | Instrument Reading (ppm): | | |
| PID Calibration | | Zero Gas | Span Gas | | | | | | | |
| Calibration Value (ppm): | | | | | | | | | | |
| Instrument Reading (ppm): | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|--|----------------|------------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | | | | | Before MS | VI 210 | | 23.3 | | |
| RW-3 | | | | | After MS | PI 310 | | 23.3 | | |
| RW-4 | | | | | Before Blower | VI 300 | | 24.7 | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 1.9 | | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | 2.6 | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | | T1 Entrance: 626.3 T2 Exit 646.2 T3 Interior 660.5 | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post: | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 67.0 Post: | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | |
| VP-4 | | | | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| collected discharge flow meter reading | 3 gpm / 4500 gpd |
| collected readings from HMI | If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/16/2025
 Weather: Rain

System On on Arrival? (circle): **yes** no

System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | | | | | |
|--|--|----------|----------|--|--|--|--|
| Barometric pressure (psi): | | | | Barometric Pressure source: | | | |
| Ambient Temperature (°F): | | | | Ambient Temperature source: | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | | | Noise measurement source: | | | |
| Moisture Separator Drained? (circle) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Active Alarm Conditions (circle, note affected equipment): | | | |
| Approximate volume (gal): 13.17 | | | | | | | |
| Catalytic Oxidizer Installed? (circle) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Effluent Vapor VOC Conc (ppm): | | | | | | | |
| PID Calibration Performed? (circle) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| PID Calibration | | Zero Gas | Span Gas | | | | |
| Calibration Value (ppm): | | | | | | | |
| Instrument Reading (ppm): | | | | | | | |
| | | | | 1. No Alarm | | | |
| | | | | 2. High Water Level Tank(s): | | | |
| | | | | 3. Low Water Level Tank(s): | | | |
| | | | | 4. High Pressure Equipment: | | | |
| | | | | 5. Low Pressure Equipment: | | | |
| | | | | 6. System Shutdown Equipment: | | | |
| | | | | 7. Temperature Equipment: | | | |
| | | | | 8. Other: | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|-----------------|----------------|------------------|--|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | | | | | Before MS | VI 210 | | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 21.6 | | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 2.9 | 76.4 | | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | 2.9 | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 | |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 | |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 | |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | | |
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.9 T2 Exit 648.6 T3 Interior 662.4 | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post: | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 76.4 Post: | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | |
| VP-4 | | | | | | FT 500 | | | | | |
| | | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| collected discharge flow meter reading | 3 gpm / Air: 200 scfm Water: 4500 gpd |
| collected readings from HMI | If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/23/2025
 Weather: Clear Cold

System On on Arrival? (circle): **yes** no
 System Hours: 944.1

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | |
|--|---|--|--|
| Barometric pressure (psi): | | Barometric Pressure source: | |
| Ambient Temperature (°F): | | Ambient Temperature source: | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | |
| Moisture Separator Drained? (circle) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Active Alarm Conditions (circle, note affected equipment): | |
| Approximate volume (gal): | <u>7.62</u> | 1. No Alarm | |
| Catalytic Oxidizer Installed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. High Water Level Tank(s): | |
| Effluent Vapor VOC Conc (ppm): | | 3. Low Water Level Tank(s): | |
| PID Calibration Performed? (circle) | <input type="checkbox"/> Yes <input type="checkbox"/> No | 4. High Pressure Equipment: | |
| PID Calibration | | 5. Low Pressure Equipment: | |
| | Zero Gas | 6. System Shutdown Equipment: | |
| | Span Gas | 7. Temperature Equipment: | |
| Calibration Value (ppm): | | 8. Other: | |
| Instrument Reading (ppm): | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|-----------------|----------------|------------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | | | | | Before MS | VI 210 | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 20.6 | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 3.1 | 79.5 | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.9 T2 Exit 645.4 T3 Interior 658.9 | | | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 76.4 Post: | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | |
| VP-4 | | | | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|--|
| Comments/Maintenance Activities: collected discharge flow meter reading collected readings from HMI Manifold B pressure levels < 5 InHg on all wells, adjust to >5 InHg No water discharged since last visit | Permit Discharge Limits (see permits): |
| | Air: 200 scfm Water: 3 gpm / 4500 gpd If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/23/2025
 Weather: Clear Cold

System On on Arrival? (circle): **yes** no
 System Hours: 965

Phase 1: MPE / SVE, all wells in extraction mode.

| Barometric pressure (psi): | Barometric Pressure source: | | | | | | | | | |
|--|--|-----------------|----------|----------|--------------------------|--|--|---------------------------|--|--|
| Ambient Temperature (°F): | Ambient Temperature source: | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): <u>7.62</u> | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No Effluent Vapor VOC Conc (ppm): | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | | | | | | | | | |
| <table border="1"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td></td> <td></td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td></td> <td></td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | | | Instrument Reading (ppm): | | |
| PID Calibration | | Zero Gas | Span Gas | | | | | | | |
| Calibration Value (ppm): | | | | | | | | | | |
| Instrument Reading (ppm): | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|-----------------|----------------|------------------|--|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | | | | | Before MS | VI 210 | | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 20.6 | | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 3.1 | 79.5 | | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 | |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 | |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 | |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.9 T2 Exit 645.4 T3 Interior 658.9 | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 76.4 Post: | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | |
| VP-4 | | | | | | | FT 500 | | | | |
| | | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|---|---|--|
| Comments/Maintenance Activities: collected discharge flow meter reading collected readings from HMI called to site to check on alarms, LRP Low vacuum found open sample ports on Manifold B. talked to ERRG, they took some reading on there last visit and may have forgot to close them. Closed sample ports and re adjusted wells to >5 InHg. System Vacuum returned to normal adjusted Low vacuum alarm to 14 InHg, Rechecked readings on discharge flow meter and recorded them on Flow Calcs page | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier Chris
 Date/time of data collection: 1/3/2025
 Weather: Rain

System On on Arrival? (circle): yes no
 System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | |
|--|---|--|----------------------|
| Barometric pressure (psi): | 29.7 | Barometric Pressure source: | iPhone weather app |
| Ambient Temperature (°F): | 47 | Ambient Temperature source: | iPhone weather app |
| Noise (dBA): | <i>If above 60 dBA, notify KJ personnel</i> | Noise measurement source: | hand held instrument |
| Moisture Separator Drained? (circle) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Active Alarm Conditions (circle, note affected equipment): | |
| Approximate volume (gal): | 13.17 | 1. No Alarm | |
| Catalytic Oxidizer Installed? (circle) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | 2. High Water Level Tank(s): | |
| Effluent Vapor VOC Conc (ppm): | 27 | 3. Low Water Level Tank(s): | |
| PID Calibration Performed? (circle) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | 4. High Pressure Equipment: | |
| PID Calibration | | 5. Low Pressure Equipment: | |
| Zero Gas | | 6. System Shutdown Equipment: | |
| Span Gas | | 7. Temperature Equipment: | |
| Calibration Value (ppm): | | 8. Other: | |
| Instrument Reading (ppm): | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | 8 | 9.7 | 2 | | Before MS | VI 210 | | 24 | | |
| RW-3 | 3.5 | 7.5 | 8.1 | | After MS | PI 310 | | 24.7 | | |
| RW-4 | 6 | 7.5 | 8.1 | | Before Blower | VI 300 | | 24.7 | | |
| RW-5 | 0 | 0 | 0 | | After Blower | PI/FI 302 | | 1.9 | | |
| RW-6 | 6 | 9.3 | 1.3 | | At Heat Exchanger | TT-302 | | 39.8 | | |
| RW-7 | 5 | 24.7 | 18.3 | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | 6.5 | 27 | 9.5 | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | 2.5 | 133.1 | 3.1 | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | 0 | 0 | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | 7.5 | 38.7 | 11.6 | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | 0 | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | 4 | 67.8 | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | 0 | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 628 T2 Exit 650 T3 Interior 664 | | | | |
| VP-1 | 0.001 | | 0.8 | | Catalytic Oxidizer PID (ppm) | Pre: 119.8 Post 33.4 | | | | |
| VP-2 | 0.001 | | 0.6 | | Catalytic Oxidizer Flow Rate (scfm) | Pre: 42 Post: | | | | |
| VP-3 | 0.002 | | 3.5 | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | 0.003 | | 38.1 | | FT 500 | | | | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Some flows not able to take due to moisture in lines. Fouls sensor | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Noise level collected at property line with traffic | <i>If exceeded, notify Kennedy Jenks personnel.</i> |
| FE302 tubing moisture restriction, disconnect and empty out | |
| T301 has 300 gallons, discharge flow meter 264120 | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/6/2025
 Weather: Rain

System On on Arrival? (circle): yes no

System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| Barometric pressure (psi): | | Barometric Pressure source: | | | | | | | | | | | | | |
|--|----------|--|----------|----------|--|--|--|--------------------------|--|--|---------------------------|--|--|----------------------------|--|
| Ambient Temperature (°F): | | Ambient Temperature source: | | | | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | | | | |
| Moisture Separator Drained? (circle) <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No | | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | | | | |
| Approximate volume (gal): 13.17 | | 1. No Alarm | | | | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) <input checked="" type="radio"/> Yes <input type="radio"/> No | | 2. High Water Level Tank(s): | | | | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): 27 | | 3. Low Water Level Tank(s): | | | | | | | | | | | | | |
| PID Calibration Performed? (circle) <input checked="" type="radio"/> Yes <input type="radio"/> No | | 4. High Pressure Equipment: | | | | | | | | | | | | | |
| <table border="1"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Calibration Value (ppm):</td> <td> </td> <td> </td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td> </td> <td> </td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | | | | Calibration Value (ppm): | | | Instrument Reading (ppm): | | | 5. Low Pressure Equipment: | |
| PID Calibration | Zero Gas | Span Gas | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Calibration Value (ppm): | | | | | | | | | | | | | | | |
| Instrument Reading (ppm): | | | | | | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|-----------|----------------|------------------|--------------------|---------------|-------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) | | |
| RW-2 | | | | | Before MS | VI 210 | | 23.3 | | | | |
| RW-3 | | | | | After MS | PI 310 | | 23.3 | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 24.7 | | | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 1.9 | | | | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | 2.6 | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 | | |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 | | |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 | | |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | | | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | | | |
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | | | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.3 | T2 Exit 646.2 | T3 Interior 660.5 |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: | | Post: | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 67.0 | | Post: | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | | |
| VP-4 | | | | | | FT 500 | | | | | | |
| | | | | | | FT 500 | | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| collected discharge flow meter reading | 3 gpm / Air: 200 scfm Water: 4500 gpd |
| collected readings from HMI | If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/16/2025
 Weather: Rain

System On on Arrival? (circle): **yes** no

System Hours:

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | |
|--|---|--|-------------------------------|
| Barometric pressure (psi): | | Barometric Pressure source: | |
| Ambient Temperature (°F): | | Ambient Temperature source: | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | |
| Moisture Separator Drained? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Active Alarm Conditions (circle, note affected equipment): | |
| Approximate volume (gal): | 13.17 | 1. No Alarm | |
| Catalytic Oxidizer Installed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. High Water Level Tank(s): | |
| Effluent Vapor VOC Conc (ppm): | | 3. Low Water Level Tank(s): | |
| PID Calibration Performed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 4. High Pressure Equipment: | |
| PID Calibration | Zero Gas | Span Gas | 5. Low Pressure Equipment: |
| Calibration Value (ppm): | | | 6. System Shutdown Equipment: |
| Instrument Reading (ppm): | | | 7. Temperature Equipment: |
| | | 8. Other: | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | | | | | Before MS | VI 210 | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 21.6 | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 2.9 | 76.4 | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | 2.9 | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 626.9 T2 Exit 648.6 T3 Interior 662.4 | | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | Pre: Post | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | Pre: 76.4 Post: | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | | | | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| collected discharge flow meter reading | 3 gpm / Air: 200 scfm Water: 4500 gpd |
| collected readings from HMI | If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/23/2025
 Weather: Clear Cold

System On on Arrival? (circle): **yes** no
 System Hours: 944.1

Phase 1: MPE / SVE, all wells in extraction mode.

| Barometric pressure (psi): | | Barometric Pressure source: | | | | | | | | | | |
|--|---|--|----------|----------|--------------------------|--|--|---------------------------|--|--|----------------------------|--|
| Ambient Temperature (°F): | | Ambient Temperature source: | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | |
| Moisture Separator Drained? (circle) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | |
| Approximate volume (gal): | 7.62 | 1. No Alarm | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. High Water Level Tank(s): | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): | | 3. Low Water Level Tank(s): | | | | | | | | | | |
| PID Calibration Performed? (circle) | <input type="checkbox"/> Yes <input type="checkbox"/> No | 4. High Pressure Equipment: | | | | | | | | | | |
| <table border="1"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td></td> <td></td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td></td> <td></td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | | | Instrument Reading (ppm): | | | 5. Low Pressure Equipment: | |
| PID Calibration | Zero Gas | Span Gas | | | | | | | | | | |
| Calibration Value (ppm): | | | | | | | | | | | | |
| Instrument Reading (ppm): | | | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|-----------------|----------------|------------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | | | | | Before MS | VI 210 | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 20.6 | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 3.1 | 79.5 | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.9 T2 Exit 645.4 T3 Interior 658.9 | | | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 76.4 Post: | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | |
| VP-4 | | | | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|--|
| Comments/Maintenance Activities: collected discharge flow meter reading collected readings from HMI Manifold B pressure levels < 5 InHg on all wells, adjust to >5 InHg No water discharged since last visit | Permit Discharge Limits (see permits): |
| | Air: 200 scfm Water: 3 gpm / 4500 gpd If exceeded, notify Kennedy Jenks personnel. |

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 1/23/2025
 Weather: Clear Cold

System On on Arrival? (circle): **yes** no
 System Hours: 965

Phase 1: MPE / SVE, all wells in extraction mode.

| Barometric pressure (psi): | Barometric Pressure source: | | | | | | | | | |
|--|--|-----------------|----------|----------|--------------------------|--|--|---------------------------|--|--|
| Ambient Temperature (°F): | Ambient Temperature source: | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): <u>7.62</u> | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No Effluent Vapor VOC Conc (ppm): | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | | | | | | | | | |
| <table border="1"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td></td> <td></td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td></td> <td></td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | | | Instrument Reading (ppm): | | |
| PID Calibration | | Zero Gas | Span Gas | | | | | | | |
| Calibration Value (ppm): | | | | | | | | | | |
| Instrument Reading (ppm): | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|-----------------|----------------|------------------|--|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | | | | | Before MS | VI 210 | | | | | |
| RW-3 | | | | | After MS | PI 310 | | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 20.6 | | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 3.1 | 79.5 | | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 0 | 0 | 0 | |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | 0 | 0 | 0 | |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | 0 | 0 | 0 | |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.9 T2 Exit 645.4 T3 Interior 658.9 | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | | Pre: Post | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | | Pre: 76.4 Post: | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | |
| VP-4 | | | | | | | FT 500 | | | | |
| | | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|---|---|--|
| Comments/Maintenance Activities: collected discharge flow meter reading collected readings from HMI called to site to check on alarms, LRP Low vacuum found open sample ports on Manifold B. talked to ERRG, they took some reading on there last visit and may have forgot to close them. Closed sample ports and re adjusted wells to >5 InHg. System Vacuum returned to normal adjusted Low vacuum alarm to 14 InHg, Rechecked readings on discharge flow meter and recorded them on Flow Calcs page | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd If exceeded, notify Kennedy Jenks personnel. |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 2/6/2025
 Weather: snow, cold

System On on Arrival? (circle): **yes** no
 System Hours: 965

Phase 1: MPE / SVE, all wells in extraction mode.

| | | |
|---|--|------------|
| Barometric pressure (psi): | Barometric Pressure source: | 29 |
| Ambient Temperature (°F): | Ambient Temperature source: | 35 |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: | |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): <u>7.62</u> | Active Alarm Conditions (circle, note affected equipment): | |
| Catalytic Oxidizer Installed? (circle) Yes No | 1. No Alarm | |
| Effluent Vapor VOC Conc (ppm): | 2. High Water Level | Tank(s): |
| PID Calibration Performed? (circle) Yes No | 3. Low Water Level | Tank(s): |
| PID Calibration | 4. High Pressure | Equipment: |
| Zero Gas | 5. Low Pressure | Equipment: |
| Span Gas | 6. System Shutdown | Equipment: |
| Calibration Value (ppm): | 7. Temperature | Equipment: |
| Instrument Reading (ppm): | 8. Other: | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|-------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | -8 | 17.6 | 0.9 | | Before MS | VI 210 | | 14.8 | | |
| RW-3 | off | | | | After MS | PI 310 | | | | |
| RW-4 | -8 | none | 151.3 | | Before Blower | VI 300 | | 16.3 | | |
| RW-5 | off | | | | After Blower | PI/FI 302 | | 3.9 | 112.4 | |
| RW-6 | -6 | 7.55 | 24.2 | | At Heat Exchanger | TT-302 | | 3.9 | | |
| RW-7 | -8 | none | 56.1 | | Before Vapor GAC | PI 411 | | 3.9 | 125.5 | 254.9 |
| RW-8 | -8 | 3 | 334 | | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | -7 | none | 27.5 | | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | off | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | off | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | off | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | 12.5 | none | 1 | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | -12 | 5.46 | 0 | | After Liquid GAC 1 | FE-404 | | | 0 | |
| Well ID | Pres/Vac (in IWC) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | -5 | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | -5 | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | -18 | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 626 T2 Exit 708 T3 Interior 697 | | | | |
| VP-1 | -0.14 | 0 | 2.6 | | Catalytic Oxidizer PID (ppm) | Pre: 254.9 Post | | | | |
| VP-2 | -0.1 | 0 | 6.6 | | Catalytic Oxidizer Flow Rate (scfm) | Pre: 125.5 Post: | | | | |
| VP-3 | -0.049 | 0 | 6.6 | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | -0.013 | 0 | 137.7 | | FT 500 | | | | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| adjust system flows to maximize recovery, closed wells with <50 PPM to increase vacuum | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| ground water level is high, collected water levels in wells | If exceeded, notify Kennedy Jenks personnel. |
| collect system data. | |

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier
 Date/time of data collection: 2/17/2025

System On on Arrival? (circle): **yes** no
 System Hours: 1539

Weather: _____ Phase 1: MPE / SVE, all wells in extraction mode.

| | | | | | | | |
|--|--|----------|----------|--|--|--|--|
| Barometric pressure (psi): | | | | Barometric Pressure source: | | | |
| Ambient Temperature (°F): | | | | Ambient Temperature source: | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | | | Noise measurement source: | | | |
| Moisture Separator Drained? (circle) Yes No | | | | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: | | | |
| Approximate volume (gal): | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | | | | | | |
| Effluent Vapor VOC Conc (ppm): | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | | | | | | |
| PID Calibration | | Zero Gas | Span Gas | | | | |
| Calibration Value (ppm): | | | | | | | |
| Instrument Reading (ppm): | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | | | | | Before MS | VI 210 | | 16.9 | | |
| RW-3 | | | | | After MS | PI 310 | | | | |
| RW-4 | | | | | Before Blower | VI 300 | | 16.3 | | |
| RW-5 | | | | | After Blower | PI/FI 302 | | 3.9 | 98.2 | |
| RW-6 | | | | | At Heat Exchanger | TT-302 | | | | |
| RW-7 | | | | | Before Vapor GAC | PI 411 | | 3.9 | 98.2 | |
| RW-8 | | | | | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | | | | | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | | | | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | | | | | Before Bag Filter | PI-405 | | 0 | | |
| SW-2 | | | | | After Bag Filter** | FI 400/PI 401 | | 0 | 0 | |
| SW-3 | | | | | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | | | | | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 627.1 T2 Exit 703.8 T3 Interior 700.3 | | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | Pre: _____ Post: _____ | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | Pre: _____ Post: _____ | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | | | | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|---|---|---|
| Comments/Maintenance Activities: adjust all recovery wells open collected water meter readings. | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | | If exceeded, notify Kennedy Jenks personnel. |

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: Glacier TW
 Date/time of data collection: 2/19/2025
 Weather: Partly Cloudy

System On on Arrival? (circle): **yes** no
 System Hours: 1591.3

Phase 1: MPE / SVE, all wells in extraction mode.

| | | | |
|--|---|-----------------------------|--|
| Barometric pressure (psi): | 30.1 | Barometric Pressure source: | Internet |
| Ambient Temperature (°F): | 51 | Ambient Temperature source: | Internet |
| Noise (dBA): | <i>If above 60 dBA, notify KJ personnel</i> | Noise measurement source: | |
| Moisture Separator Drained? (circle) | Yes | No | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Approximate volume (gal): | | | |
| Catalytic Oxidizer Installed? (circle) | Yes | No | |
| Effluent Vapor VOC Conc (ppm): | | | |
| PID Calibration Performed? (circle) | Yes | No | |
| PID Calibration | Zero Gas | Span Gas | |
| Calibration Value (ppm): | | | |
| Instrument Reading (ppm): | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|-------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | -2 | | 32.8 | | Before MS | VI 210 | | 15.2 | | |
| RW-3 | -4.5 | | 14.5 | | After MS | PI 310 | | | | |
| RW-4 | -5 | | 233.5 | | Before Blower | VI 300 | | 15.2 | | |
| RW-5 | -4.5 | | 32.7 | | After Blower | PI/FI 302 | | 3.4 | 112.8 | |
| RW-6 | -5 | | 23.4 | | At Heat Exchanger | TT-302 | | | | |
| RW-7 | -5 | | 698.2 | | Before Vapor GAC | PI 411 | | 3.4 | 98.2 | |
| RW-8 | -5 | | 559.8 | | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | -4.5 | | 39.9 | | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | -5 | | 39.5 | | After Pump P-400 | PI 400 | | 0 | | |
| SW-1 | -5 | | 52 | | Before Bag Filter | PI-405 | | 32 | | |
| SW-2 | -5 | | 51.5 | | After Bag Filter** | FI 400/PI 401 | | 31 | 0 | |
| SW-3 | -4.5 | | 20.82 | | Midpoint Liquid GAC 1** | PI 403 | | 5 | | |
| MW-4 | -5 | | 25.9 | | After Liquid GAC 1 | FE-404 | | | 0 | |
| Well ID | Pres/Vac (in IWC) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | -1.5 | | | | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | -1.5 | | | | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | -4.9 | | | | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 626.8 T2 Exit 672.5 T3 Interior 679.1 | | | | |
| VP-1 | | | | | Catalytic Oxidizer PID (ppm) | Pre: 160.9 Post 11.4 | | | | |
| VP-2 | | | | | Catalytic Oxidizer Flow Rate (scfm) | Pre: Post: | | | | |
| VP-3 | | | | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | 0.05 | | 122 | | | FT 500 | | | | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|--|
| Comments/Maintenance Activities: make adjustments to well valves, disconnect some tubing from well caps to assist in getting water to move through underground well conveyance piping for recovery. collect PID reading from individule wells at manifold. | Permit Discharge Limits (see permits): |
| | Air: 200 scfm Water: 3 gpm / 4500 gpd If exceeded, notify Kennedy Jenks personnel. |

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/7/2025 System Hours: 1965.1

Weather: Partly Cloudy Phase 1: *MPE / SVE, all active EIWs in extraction mode.*

| | |
|---|---|
| Barometric pressure (psi): <u>30.18</u> | Barometric Pressure source: <u>Anemometer</u> |
| Ambient Temperature (°F): <u>50</u> | Ambient Temperature source: <u>Internet</u> |
| Noise (dBA): <u>If above 60 dBA, notify KJ personnel</u> | Noise measurement source: |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): <u>1 cycle while onsite</u> | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Catalytic Oxidizer Installed? (circle) Yes No Effluent Vapor VOC Conc (ppm): <u>1.6</u> | |
| PID Calibration Performed? (circle) Yes No | |
| PID Calibration | |
| Zero Gas <u>0</u> Span Gas <u>100</u> | |
| Calibration Value (ppm): <u>0</u> <u>100</u> | |
| Instrument Reading (ppm): <u>0</u> <u>99.6</u> | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|-------------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 14.9 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 32 | | |
| RW-4 | -12 | 63 | 137 | O | Before Blower | VI 300 | | 15.2 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 3.3 | 98 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | -13 | 40 | 624 | O | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | -12 | 43 | 242 | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 32 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 30 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | -0.661 | 4.2 | 20 ppb | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | -1.006 | 6.8 | 118 ppb | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | -3.308 | 22.8 | 2.3 | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.1 T2 Exit 685.6 T3 Interior 688.4 | | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | | Pre: 212 Post 1.6 | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | | 98 | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | | - | | FT 500 | 3/7/2025 | 3:30 | 7345.53 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|--|---|-------------------------|
| Comments/Maintenance Activities: Collect PID reading from active EIW and SSD wells at manifold and CatOX inf/eff EIWs with PID measurements <100 ppm were closed off to focus on EIWs with >100ppm PID measurements prior to closing wells ranged from 10.8 ppm to 34.5 ppm for EIWs active prior to closing additional wells | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | If exceeded, notify Kennedy Jenks personnel. | |

Record totalizer from new permanent flow meter

Collect system readings, Glacier to replace TT-302 sensor

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon;
O/C= open/closed

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

| | | | | | | | | | | | | |
|--|----------|--|----------|----------|--------------------------|---|-----|---------------------------|---|-------|----------------------------|--|
| Name & Company: ERRG FI | | System On on Arrival? (circle): yes no | | | | | | | | | | |
| Date/time of data collection: 3/14/2025 | | System Hours: 2138.5 | | | | | | | | | | |
| Weather: Clear, Cool | | Phase 1: MPE / SVE, all active EIWs in extraction mode. | | | | | | | | | | |
| Barometric pressure (psi): 29.57 | | Barometric Pressure source: Anemometer | | | | | | | | | | |
| Ambient Temperature (°F): 48 | | Ambient Temperature source: Internet | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No | | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | |
| Approximate volume (gal): 1 cycle while onsite | | 1. No Alarm | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | 2. High Water Level Tank(s): | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): - | | 3. Low Water Level Tank(s): | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | 4. High Pressure Equipment: | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>PID Calibration</td> <td>Zero Gas</td> <td>Span Gas</td> </tr> <tr> <td>Calibration Value (ppm):</td> <td align="center">0</td> <td align="center">100</td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td align="center">0</td> <td align="center">100.2</td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | 0 | 100 | Instrument Reading (ppm): | 0 | 100.2 | 5. Low Pressure Equipment: | |
| PID Calibration | Zero Gas | Span Gas | | | | | | | | | | |
| Calibration Value (ppm): | 0 | 100 | | | | | | | | | | |
| Instrument Reading (ppm): | 0 | 100.2 | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 14.2 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 32 | | |
| RW-4 | -11.5 | | 137 | O | Before Blower | VI 300 | | 14.2 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 3.4 | 102 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | | | | |
| RW-7 | -13.5 | | 732 | O | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | -11.5 | | 242 | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 30 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | -0.661 | | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | -0.692 | | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | -3.512 | | - | O | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 626.5 T2 Exit 752.1 T3 Interior 734.9 | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | Pre: - Post - | | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | 102 | | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | - | | - | | | FT 500 | 3/14/2025 | 9:00 | 14487.34 | |
| | | | | | | FT 500 | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | | |
|-------------------------------------|---|--|-------------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | | |
| | Record totalizer from flow meter | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | Collect system readings | If exceeded, notify Kennedy Jenks personnel. | |
| Collect weekly BTEX midpoint sample | | | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed; inHg = inches of mercury; inWC = inches of water column; PID = photoionization device; gpd = gallons per day

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

| Name & Company: ERRG FI | | System On on Arrival? (circle): yes no | | | | | | | | | | |
|---|----------|--|----------|----------|--------------------------|---|---|---------------------------|---|---|--|--|
| Date/time of data collection: 3/16/2025 | | System Hours: 2173.6 | | | | | | | | | | |
| Weather: Clear, Cool | | Phase 1: MPE / SVE, all active EIWs in extraction mode. | | | | | | | | | | |
| Barometric pressure (psi): 29.57 | | Barometric Pressure source: Anemometer | | | | | | | | | | |
| Ambient Temperature (°F): 48 | | Ambient Temperature source: Internet | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No | | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | |
| Approximate volume (gal): 1 cycle while onsite | | 1. No Alarm | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | 2. High Water Level Tank(s): Moisture Separator | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): - | | 3. Low Water Level Tank(s): | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | 4. High Pressure Equipment: | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td>-</td> <td>-</td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td>-</td> <td>-</td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): | - | - | Instrument Reading (ppm): | - | - | 5. Low Pressure Equipment: Liquid Ring Pump | |
| PID Calibration | Zero Gas | Span Gas | | | | | | | | | | |
| Calibration Value (ppm): | - | - | | | | | | | | | | |
| Instrument Reading (ppm): | - | - | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|----------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 17 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 24 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 18 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 1.8 | 87.5 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 34 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 623.4 T2 Exit 717.0 T3 Interior 733.2 | | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | | Pre: - Post: - | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | | 87.5 | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | | - | | FT 500 | 3/16/2025 | 14:30 | 15330.02 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | | |
|---|--|---|-------------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | | |
| | Responding to system alarms, low vacuum, high level in tank. | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | Flow at 2.1 scfm, Vacuum at 5.0 psi, shut wells off, transfer water to discharge tank. | If exceeded, notify Kennedy Jenks personnel. | |
| Restart system, unable to open up bank 4 with RW-7. run system with only RW-4 and RW-8. | | | |

Record totalizer from flow meter.

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

| Name & Company: ERRG FI | | System On on Arrival? (circle): yes no | | | | | | | | | | | | | |
|---|---|--|----------|----------|----------|--------------------------|---|---|---|---------------------------|---|---|---|----------------------------|--|
| Date/time of data collection: 3/21/2025 | | System Hours: 2291.4 | | | | | | | | | | | | | |
| Weather: Cloudy, Cool | | Phase 1: MPE / SVE, all active EIWs in extraction mode. | | | | | | | | | | | | | |
| Barometric pressure (psi): 29.89 | | Barometric Pressure source: Anemometer | | | | | | | | | | | | | |
| Ambient Temperature (°F): 48 | | Ambient Temperature source: Internet | | | | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No | | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | | | | |
| Approximate volume (gal): 3 cycles while onsite | | 1. No Alarm | | | | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | 2. High Water Level Tank(s): | | | | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): - | | 3. Low Water Level Tank(s): | | | | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | 4. High Pressure Equipment: | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | | PID Calibration | | Zero Gas | Span Gas | Calibration Value (ppm): | - | - | - | Instrument Reading (ppm): | - | - | - | 5. Low Pressure Equipment: | |
| PID Calibration | | Zero Gas | Span Gas | | | | | | | | | | | | |
| Calibration Value (ppm): | - | - | - | | | | | | | | | | | | |
| Instrument Reading (ppm): | - | - | - | | | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|---------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 16.5 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 25 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 17.6 | | |
| RW-5 | - | - | - | C | After Blower | PI/VI 302 | | 2.7 | 83.8 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.7 T2 Exit 672.7 T3 Interior 682.3 | | | | | |
| VP-1 | - | - | - | - | Catalytic Oxidizer PID (ppm) | | Pre: - Post - | | | |
| VP-2 | - | - | - | - | Catalytic Oxidizer Flow Rate (scfm) | | 83.8 | | | |
| VP-3 | - | - | - | - | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | - | - | - | FT 500 | 3/21/2025 | 11:30 | 18168.87 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|--|---|-------------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| Collect system readings | | |
| Record totalizer from flow meter | If exceeded, notify Kennedy Jenks personnel. | |
| Collect monthly system water samples and weekly BTEX midpoint sample | | |

Glacier replaced filter on 3/18 to resolve high level alarms, switch liquid GAC vessel banks.

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

| Name & Company: ERRG FI | | System On on Arrival? (circle): yes no | | | | | | | | | | | | | |
|--|--|--|----------|----------|----------|--------------------------|--|---|-----|---------------------------|--|---|------|----------------------------|--|
| Date/time of data collection: 3/24/2025 | | System Hours: 2364.4 | | | | | | | | | | | | | |
| Weather: Clear, Cool | | Phase 1: MPE / SVE, all active EIWs in extraction mode. | | | | | | | | | | | | | |
| Barometric pressure (psi): 30.2 | | Barometric Pressure source: Anemometer | | | | | | | | | | | | | |
| Ambient Temperature (°F): 57 | | Ambient Temperature source: Internet | | | | | | | | | | | | | |
| Noise (dBA): If above 60 dBA, notify KJ personnel | | Noise measurement source: | | | | | | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No | | Active Alarm Conditions (circle, note affected equipment): | | | | | | | | | | | | | |
| Approximate volume (gal): 1 cycle while onsite | | 1. No Alarm | | | | | | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | 2. High Water Level Tank(s): | | | | | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): 0.9 | | 3. Low Water Level Tank(s): | | | | | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | 4. High Pressure Equipment: | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm):</td> <td></td> <td align="center">0</td> <td align="center">100</td> </tr> <tr> <td>Instrument Reading (ppm):</td> <td></td> <td align="center">0</td> <td align="center">99.8</td> </tr> </table> | | PID Calibration | | Zero Gas | Span Gas | Calibration Value (ppm): | | 0 | 100 | Instrument Reading (ppm): | | 0 | 99.8 | 5. Low Pressure Equipment: | |
| PID Calibration | | Zero Gas | Span Gas | | | | | | | | | | | | |
| Calibration Value (ppm): | | 0 | 100 | | | | | | | | | | | | |
| Instrument Reading (ppm): | | 0 | 99.8 | | | | | | | | | | | | |
| | | 6. System Shutdown Equipment: | | | | | | | | | | | | | |
| | | 7. Temperature Equipment: | | | | | | | | | | | | | |
| | | 8. Other: | | | | | | | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--|---------------|-------------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 16.5 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 26 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 17.6 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 2.6 | 82.9 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.7 T2 Exit : 668.9 T3 Interior: 679.2 | | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | | Pre: 153 Post 0.9 | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | | 82.9 | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | | - | | FT 500 | 3/24/2025 | 14:30 | 20210.4 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | | |
|---|---|--------|------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | | |
| | Air: 200 scfm | Water: | 3 gpm / 4500 gpd |
| | If exceeded, notify Kennedy Jenks personnel. | | |
| Collect system readings. | | | |
| Record totalizer from flow meter . | | | |
| Collect monthly system vapor influent and effluent samples. | | | |

Collect PID readings from CatOx inf/eff

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon;
O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/28/2025 System Hours: 2457.9
 Weather: Overcast, Light Showers Phase 1: *MPE / SVE, all active EIWs in extraction mode.*

| | |
|--|---|
| Barometric pressure (psi): <u>29.57</u> | Barometric Pressure source: <u>Anemometer</u> |
| Ambient Temperature (°F): <u>45</u> | Ambient Temperature source: <u>Internet</u> |
| Noise (dBA): <u>If above 60 dBA, notify KJ personnel</u> | Noise measurement source: |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): <u>3 cycles while onsite</u> | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Catalytic Oxidizer Installed? (circle) Yes No Effluent Vapor VOC Conc (ppm): <u>-</u> | |
| PID Calibration Performed? (circle) Yes No | |
| PID Calibration | |
| Zero Gas Span Gas | |
| Calibration Value (ppm): <u>-</u> <u>-</u> | |
| Instrument Reading (ppm): <u>-</u> <u>-</u> | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|--|-----------|------------------------|----------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 15.5 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 24 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 16.5 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 2.8 | 86.4 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) | T1 Entrance: 626.9 T2 Exit 660.2 T3 Interior 671.5 | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | Pre: - Post - | | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | 86.4 | | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | Date | Time | Total Flow (gal) | | |
| VP-4 | - | | - | | FT 500 | 3/28/2025 | 12:30 | 22578.66 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|---|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Collect system readings | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Record totalizer from flow meter | If exceeded, notify Kennedy Jenks personnel. |
| Collect weekly BTEX midpoint sample and monthly system water samples. | |

Blaine Tech onsite to collect monthly groundwater samples, duplicate sample collected at MW-6.

Measure pH and conductivity at influent, midpoint, and effluent (turbidity: 4.51, 2.89, 2.63, ph: 7.23, 7.22, 7.23, respectively)

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon;
O/C= open/closed

SYSTEM MONITORING FORM

CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI
 Date/time of data collection: 3/7/2025
 Weather: Partly Cloudy

System On on Arrival? (circle): yes no

System Hours: 1965.1

Phase 1: MPE / SVE, all active EIWs in extraction mode.

| | | | |
|--|--------------------------------------|-----------------------------|---|
| Barometric pressure (psi): | 30.18 | Barometric Pressure source: | Anemometer |
| Ambient Temperature (°F): | 50 | Ambient Temperature source: | Internet |
| Noise (dBA): | If above 60 dBA, notify KJ personnel | | |
| Moisture Separator Drained? (circle) | <u>Yes</u> | No | Active Alarm Conditions (circle, note affected equipment): 1. <u>No Alarm</u> 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Approximate volume (gal): | 1 cycle while onsite | | |
| Catalytic Oxidizer Installed? (circle) | <u>Yes</u> | No | |
| Effluent Vapor VOC Conc (ppm): | 1.6 | | |
| PID Calibration Performed? (circle) | <u>Yes</u> | No | |
| PID Calibration | Zero Gas | Span Gas | |
| Calibration Value (ppm): | 0 | 100 | |
| Instrument Reading (ppm): | 0 | 99.6 | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|-------------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 14.9 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 32 | | |
| RW-4 | -12 | 63 | 137 | O | Before Blower | VI 300 | | 15.2 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 3.3 | 98 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | -13 | 40 | 624 | O | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | -12 | 43 | 242 | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 32 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 30 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | -0.661 | 4.2 | 20 ppb | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | -1.006 | 6.8 | 118 ppb | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | -3.308 | 22.8 | 2.3 | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.1 T2 Exit 685.6 T3 Interior 688.4 | | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | | Pre: 212 Post 1.6 | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | | 98 | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | | - | | FT 500 | 3/7/2025 | 3:30 | 7345.53 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|--|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Collect PID reading from active EIW and SSD wells at manifold and CatOX inf/eff | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| EIWs with PID measurements <100 ppm were closed off to focus on EIWs with >100ppm | If exceeded, notify Kennedy Jenks personnel. |
| PID measurements prior to closing wells ranged from 10.8 ppm to 34.5 ppm for EIWs active prior to closing additional wells | |
| Record totalizer from new permanent flow meter | |
| Collect system readings, Glacier to replace TT-302 sensor | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon;

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/14/2025 System Hours: 2138.5
 Weather: Clear, Cool Phase 1: MPE / SVE, all active EIWs in extraction mode.

| | |
|--|--|
| Barometric pressure (psi): 29.57 | Barometric Pressure source: Anemometer |
| Ambient Temperature (°F): 48 | Ambient Temperature source: Internet |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: |

| | |
|--|--|
| Moisture Separator Drained? (circle) Yes No | Active Alarm Conditions (circle, note affected equipment): |
| Approximate volume (gal): 1 cycle while onsite | 1. No Alarm |
| Catalytic Oxidizer Installed? (circle) Yes No | 2. High Water Level Tank(s): |
| Effluent Vapor VOC Conc (ppm): - | 3. Low Water Level Tank(s): |
| PID Calibration Performed? (circle) Yes No | 4. High Pressure Equipment: |
| PID Calibration | 5. Low Pressure Equipment: |
| Zero Gas | 6. System Shutdown Equipment: |
| Span Gas | 7. Temperature Equipment: |
| Calibration Value (ppm): 0 100 | 8. Other: |
| Instrument Reading (ppm): 0 100.2 | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|---------------|------------------------|----------------|------------------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 14.2 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 32 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 14.2 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 3.4 | 102 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | | | | |
| RW-7 | - | - | - | O | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 30 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | | - | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.5 T2 Exit 752.1 T3 Interior 734.9 | | | | | |
| VP-1 | - | | - | | Catalytic Oxidizer PID (ppm) | | Pre: - Post - | | | |
| VP-2 | - | | - | | Catalytic Oxidizer Flow Rate (scfm) | | 102 | | | |
| VP-3 | - | | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) |
| VP-4 | - | | - | | FT 500 | 3/14/2025 | 9:00 | 14487.34 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|-------------------------------------|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Record totalizer from flow meter | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Collect system readings | If exceeded, notify Kennedy Jenks personnel. |
| Collect weekly BTEX midpoint sample | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed; inHg = inches of mercury; inWC = inches of water column; PID = photoionization device; gpd = gallons per day

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/16/2025 System Hours: 2173.6
 Weather: Clear, Cool Phase 1: MPE / SVE, all active EIWs in extraction mode.

| | | | |
|--|---|--|------------------------------------|
| Barometric pressure (psi): | <u>29.57</u> | Barometric Pressure source: | <u>Anemometer</u> |
| Ambient Temperature (°F): | <u>48</u> | Ambient Temperature source: | <u>Internet</u> |
| Noise (dBA): | <u>If above 60 dBA, notify KJ personnel</u> | Noise measurement source: | |
| Moisture Separator Drained? (circle) | Yes No | Active Alarm Conditions (circle, note affected equipment): | |
| Approximate volume (gal): | <u>1 cycle while onsite</u> | 1. No Alarm | |
| Catalytic Oxidizer Installed? (circle) | Yes No | 2. High Water Level | Tank(s): <u>Moisture Separator</u> |
| Effluent Vapor VOC Conc (ppm): | <u>-</u> | 3. Low Water Level | Tank(s): |
| PID Calibration Performed? (circle) | Yes No | 4. High Pressure | Equipment: |
| PID Calibration | Zero Gas | Span Gas | Equipment: <u>Liquid Ring Pump</u> |
| Calibration Value (ppm): | <u>-</u> | <u>-</u> | Equipment: |
| Instrument Reading (ppm): | <u>-</u> | <u>-</u> | Equipment: |
| | | 5. Low Pressure | |
| | | 6. System Shutdown | |
| | | 7. Temperature | |
| | | 8. Other: | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|----------------|------------------------|------------------|--|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 17 | | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 24 | | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 18 | | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 1.8 | 87.5 | | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA | |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA | |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA | |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 34 | | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 623.4 T2 Exit 717.0 T3 Interior 733.2 | |
| VP-1 | - | - | - | | Catalytic Oxidizer PID (ppm) | | Pre: - Post: - | | | | |
| VP-2 | - | - | - | | Catalytic Oxidizer Flow Rate (scfm) | | 87.5 | | | | |
| VP-3 | - | - | - | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | |
| VP-4 | - | - | - | | FT 500 | 3/16/2025 | 14:30 | 15330.02 | | | |
| | | | | | FT 500 | | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|---|--|-------------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | <i>If exceeded, notify Kennedy Jenks personnel.</i> | |
| | Responding to system alarms, low vacuum, high level in tank. | |
| Flow at 2.1 scfm, Vacuum at 5.0 psi, shut wells off, transfer water to discharge tank. | | |
| Restart system, unable to open up bank 4 with RW-7. run system with only RW-4 and RW-8. | | |
| Record totalizer from flow meter. | | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/21/2025 System Hours: 2291.4
 Weather: Cloudy, Cool Phase 1: MPE / SVE, all active EIWs in extraction mode.

| Barometric pressure (psi): 29.89 | Barometric Pressure source: Anemometer | | | | | | | | |
|--|---|-----------------|----------|----------|----------------------------|---|---|-----------------------------|---|
| Ambient Temperature (°F): 48 | Ambient Temperature source: Internet | | | | | | | | |
| Noise (dBA): <i>If above 60 dBA, notify KJ personnel</i> | Noise measurement source: | | | | | | | | |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): 3 cycles while onsite | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: | | | | | | | | |
| Catalytic Oxidizer Installed? (circle) Yes No | | | | | | | | | |
| Effluent Vapor VOC Conc (ppm): - | | | | | | | | | |
| PID Calibration Performed? (circle) Yes No | | | | | | | | | |
| <table border="1"> <tr> <th>PID Calibration</th> <th>Zero Gas</th> <th>Span Gas</th> </tr> <tr> <td>Calibration Value (ppm): -</td> <td>-</td> <td>-</td> </tr> <tr> <td>Instrument Reading (ppm): -</td> <td>-</td> <td>-</td> </tr> </table> | | PID Calibration | Zero Gas | Span Gas | Calibration Value (ppm): - | - | - | Instrument Reading (ppm): - | - |
| PID Calibration | Zero Gas | Span Gas | | | | | | | |
| Calibration Value (ppm): - | - | - | | | | | | | |
| Instrument Reading (ppm): - | - | - | | | | | | | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | |
|--|------------------|------------|-----------|-----------------------|---|---------------|---------------|------------------------|------------------|-----------|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 16.5 | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 25 | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 17.6 | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 2.7 | 83.8 | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) T1 Entrance: 626.7 T2 Exit 672.7 T3 Interior 682.3 | | | | | |
| VP-1 | - | - | - | | Catalytic Oxidizer PID (ppm) | | Pre: - Post - | | | |
| VP-2 | - | - | - | | Catalytic Oxidizer Flow Rate (scfm) | | 83.8 | | | |
| VP-3 | - | - | - | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | |
| VP-4 | - | - | - | | FT 500 | 3/21/2025 | 11:30 | 18168.87 | | |
| | | | | | FT 500 | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|---|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Collect system readings | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Record totalizer from flow meter | <i>If exceeded, notify Kennedy Jenks personnel.</i> |
| Collect monthly system water samples and weekly BTEX midpoint sample | |
| Glacier replaced filter on 3/18 to resolve high level alarms, switch liquid GAC vessel banks. | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI
 Date/time of data collection: 3/24/2025
 Weather: Clear, Cool

System On on Arrival? (circle): **yes** no
 System Hours: 2364.4
 Phase 1: MPE / SVE, all active EIWs in extraction mode.

| | |
|--|---|
| Barometric pressure (psi): 30.2 | Barometric Pressure source: Anemometer |
| Ambient Temperature (°F): 57 | Ambient Temperature source: Internet |
| Noise (dBA): If above 60 dBA, notify KJ personnel | Noise measurement source: |
| Moisture Separator Drained? (circle) Yes No Approximate volume (gal): 1 cycle while onsite | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Catalytic Oxidizer Installed? (circle) Yes No Effluent Vapor VOC Conc (ppm): 0.9 | |
| PID Calibration Performed? (circle) Yes No | |
| PID Calibration | |
| Calibration Value (ppm): 0 100 Instrument Reading (ppm): 0 99.8 | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|-------------------|------------------------|----------------|---|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 16.5 | | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 26 | | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 17.6 | | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 2.6 | 82.9 | | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA | |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA | |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA | |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.7 T2 Exit : 668.9 T3 Interior: 679.2 | |
| VP-1 | - | - | - | | Catalytic Oxidizer PID (ppm) | | Pre: 153 Post 0.9 | | | | |
| VP-2 | - | - | - | | Catalytic Oxidizer Flow Rate (scfm) | | 82.9 | | | | |
| VP-3 | - | - | - | | Water Discharge Flow Totalizer | | | Date | Time | Total Flow (gal) | |
| VP-4 | - | - | - | | FT 500 | 3/24/2025 | 14:30 | 20210.4 | | | |
| | | | | | FT 500 | | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | | |
|---|---|-------------------------|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): | |
| | Air: 200 scfm | Water: 3 gpm / 4500 gpd |
| | <i>If exceeded, notify Kennedy Jenks personnel.</i> | |
| | Collect system readings. | |
| Record totalizer from flow meter . | | |
| Collect monthly system vapor influent and effluent samples. | | |
| Collect PID readings from CatOx inf/eff | | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

SYSTEM MONITORING FORM
CIRCLE K - PHASE 1: MULTI-PHASE EXTRACTION (MPE) / SOIL VAPOR EXTRACTION (SVE)

Name & Company: ERRG FI System On on Arrival? (circle): **yes** no
 Date/time of data collection: 3/28/2025 System Hours: 2457.9
 Weather: Overcast, Light Showers Phase 1: MPE / SVE, all active EIWs in extraction mode.

| | |
|--|---|
| Barometric pressure (psi): 29.57 | Barometric Pressure source: Anemometer |
| Ambient Temperature (°F): 45 | Ambient Temperature source: Internet |
| Noise (dBA): <i>If above 60 dBA, notify KJ personnel</i> | Noise measurement source: |
| Moisture Separator Drained? (circle) Yes No | Active Alarm Conditions (circle, note affected equipment): 1. No Alarm 2. High Water Level Tank(s): 3. Low Water Level Tank(s): 4. High Pressure Equipment: 5. Low Pressure Equipment: 6. System Shutdown Equipment: 7. Temperature Equipment: 8. Other: |
| Approximate volume (gal): 3 cycles while onsite | |
| Catalytic Oxidizer Installed? (circle) Yes No | |
| Effluent Vapor VOC Conc (ppm): - | |
| PID Calibration Performed? (circle) Yes No | |
| PID Calibration | |
| Zero Gas Span Gas | |
| Calibration Value (ppm): - - | |
| Instrument Reading (ppm): - - | |

| Wells - Injection/Extraction (At Manifold) | | | | | Treatment System | | | | | | |
|--|------------------|------------|-----------|-----------------------|--------------------------------------|---------------|---------------|------------------------|------------------|--|--|
| Well ID | Pres/Vac (in Hg) | Flow (cfm) | PID (ppm) | Valve (O/C, fraction) | Location | ID | Temp (°F) | Pres/Vac (psi or inHg) | Flow (cfm/gpm) | PID (ppm) | |
| RW-2 | - | - | - | C | Before MS | VI 210 | | 15.5 | | | |
| RW-3 | - | - | - | C | After MS | PI 310 | | 24 | | | |
| RW-4 | - | - | - | O | Before Blower | VI 300 | | 16.5 | | | |
| RW-5 | - | - | - | C | After Blower | PI/FI 302 | | 2.8 | 86.4 | | |
| RW-6 | - | - | - | C | At Heat Exchanger | TT-302 | - | | | | |
| RW-7 | - | - | - | C | Before Vapor GAC | PI 411 | | NA | NA | NA | |
| RW-8 | - | - | - | O | Vapor GAC Midpoint** | PI 412 | | NA | NA | NA | |
| RW-9 | - | - | - | C | After Vapor GAC** | PI 410 | | NA | NA | NA | |
| RW-10 | - | - | - | C | After Pump P-400 | PI 400 | | 32 | | | |
| SW-1 | - | - | - | C | Before Bag Filter | PI-405 | | 30 | | | |
| SW-2 | - | - | - | C | After Bag Filter** | FI 400/PI 401 | | 26 | 0 | | |
| SW-3 | - | - | - | C | Midpoint Liquid GAC 1** | PI 403 | | 0 | | | |
| MW-4 | - | - | - | C | After Liquid GAC 1 | FE-404 | | | 0 | | |
| | | | | | Midpoint Liquid GAC 2** | PI 406 | | 0 | | | |
| SSD-1 | - | - | - | O | After Liquid GAC 2 | FE-407 | | | 0 | | |
| SSD-2 | - | - | - | O | After Liquid GAC** | PI-404 | | 0 | | | |
| SSD-3 | - | - | - | O | Catalytic Oxidizer Temperatures (°F) | | | | | T1 Entrance: 626.9 T2 Exit 660.2 T3 Interior 671.5 | |
| VP-1 | - | - | - | | Catalytic Oxidizer PID (ppm) | | Pre: - Post - | | | | |
| VP-2 | - | - | - | | Catalytic Oxidizer Flow Rate (scfm) | | 86.4 | | | | |
| VP-3 | - | - | - | | Water Discharge Flow Totalizer | | Date | Time | Total Flow (gal) | | |
| VP-4 | - | - | - | | FT 500 | 3/28/2025 | 12:30 | 22578.66 | | | |
| | | | | | FT 500 | | | | | | |

** Location for collection of air or water sample for laboratory analysis.

| | |
|---|---|
| Comments/Maintenance Activities: | Permit Discharge Limits (see permits): |
| Collect system readings | Air: 200 scfm Water: 3 gpm / 4500 gpd |
| Record totalizer from flow meter | <i>If exceeded, notify Kennedy Jenks personnel.</i> |
| Collect weekly BTEX midpoint sample and monthly system water samples. | |
| Blaine Tech onsite to collect monthly groundwater samples, duplicate sample collected at MW-6. | |
| Measure pH and conductivity at influent, midpoint, and effluent (turbidity: 4.51, 2.89, 2.63, ph: 7.23, 7.22, 7.23, respectively) | |

Notes: psi = pounds/square inch; cfm = cubic feet per minute; ppm = parts per million; gal = gallons; MS = vapor liquid separator; GAC = granular activated carbon; O/C= open/closed

WELL GAUGING DATA

Project # 250117-KC1 Date 1-17-25 Client ERRG

Site 2350 24th Ave E Seattle WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Water/SPH Meter | PID (PPM) | |
|---------|------|-----------------|---------------------|----------------------------------|----------------------------|------------------------------------|-------------------------|----------------------------|-----------------|-----------|-----------------------|
| MW-2 | 0804 | 2 | — | — | — | — | 9.48 | 16.45 | ↓ | 0.0 | |
| MW-4 | | | | Unable to Access | | | | | | | |
| MW-6 | 1034 | 2 | — | — | — | — | 11.64 | 20.32 | | 0.0 | |
| MW-7 | 0823 | 2 | — | — | — | — | 7.50 70.5 | 20.30 | | 0.0 | |
| MW-8 | 0950 | 2 | odor | — | — | — | 9.13 | 19.38 | | 0.0 | |
| MW-9 | 0918 | 2 | odor | — | — | — | 9.20 | 20.24 | | 0.0 | |
| MW-10 | 1018 | 2 | Obstruction @ 9.90' | | | — | — | — | | | 0.0 0.0 |
| MW-11 | 0809 | 2 | — | — | — | — | 2.67 | 19.85 | | 0.0 | |
| MW-13 | 0800 | 2 | — | — | — | — | 10.21 | 18.66 | | 0.0 | |
| MW-14 | 0813 | 2 | — | — | — | — | 7.57 | 18.80 | | 0.0 | |
| MW-15 | 0819 | 2 | — | — | — | — | 6.50 | 17.11 | | 0.0 | |
| MW-16 | 0817 | 2 | — | — | — | — | 8.11 | 17.54 | | 0.0 | |
| MW-17 | 0816 | 2 | — | — | — | — | 10.77 | 19.70 | | 0.0 | |
| MW-18 | 0824 | 2 | — | — | — | — | 11.79 | 14.90 | | 0.0 | |
| MW-19 | 0823 | 2 | — | — | — | — | 10.74 | 20.10 | | 0.0 | |

Instruments Used: Durham Geoslope Water Level Indicator* GeoTech Oil/Water Interface Probe** Other: _____

Survey Point - Top of casing at all wells

WELL GAUGING DATA

Project # 250117-KC Date 1-17-25 Client EKR6

Site 2350 24th Ave E Seattle WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Water/SPH Meter | PID (PPM) |
|---------|------|-----------------|--------------|----------------------------------|----------------------------|------------------------------------|----------------------|----------------------------|-----------------|-----------|
| MW-20 | 0837 | 4 | odor | — | — | — | 10.53 | 19.59 | | 0.0 |
| MW-21 | 0825 | 2 | odor | — | — | — | 9.64 | 19.02 | | 0.0 |
| RW-1 | 0834 | 4 | — | — | — | — | 11.14 | 19.95 | | 0.0 |
| RW-2 | 0808 | 4 | — | — | — | — | 7.75 | 19.32 | | 0.0 |
| RW-3 | 0811 | 4 | — | — | — | — | 6.85 | 19.80 | | 0.0 |
| RW-4 | 0817 | 4 | — | — | — | — | 9.83 | 19.85 | | 0.0 |
| RW-5 | 0824 | 4 | — | — | — | — | 11.31 | 19.55 | | 0.0 |
| RW-6 | 0831 | 4 | — | — | — | — | 8.16 | 19.49 | | 0.0 |
| RW-7 | 0827 | 4 | — | — | — | — | 7.71 | 20.71 18.84 | 15 | 0.0 |
| RW-8 | 0821 | 4 | — | — | — | — | 7.36 | 20.20 | | 0.0 |
| RW-9 | 0836 | 4 | — | — | — | — | 10.55 | 21.46 | | 0.0 |
| RW-10 | 0832 | 4 | — | — | — | — | 11.36 | 30.45 | ↓ | 0.0 |
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Instruments Used: Durham Geoslope Water Level Indicator* GeoTech Oil/Water Interface Probe** Other: _____

Survey Point - Top of casing at all wells

LOW FLOW WELL MONITORING DATA SHEET

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| Project #: <u>250117-KC1</u> | Client: <u>ERRG</u> |
| Sampler: <u>MH</u> | Gauging Date: <u>01/17/25</u> |
| Well I.D.: <u>MW-6</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 <u> </u> |
| Total Well Depth (ft.): <u>20.32</u> | Depth to Water (ft.): <u>11.64</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVS</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1041 Flow Rate: 200 mL/MIN Pump Depth: 16'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1044 | 11.60 | 6.63 | 680 | 49 | 2.65 | 401.9 | 600 | 12.08 | 0.0 |
| 1047 | 11.83 | 6.70 | 678 | 50 | 2.53 | 399.4 | 1200 | 12.16 | 0.0 |
| 1050 | 11.92 | 6.75 | 677 | 48 | 2.47 | 398.2 | 1800 | 12.23 | 0.0 |
| 1053 | 11.99 | 6.77 | 678 | 47 | 2.45 | 397.7 | 2400 | 12.29 | 0.0 |
| 1056 | 12.02 | 6.78 | 676 | 48 | 2.44 | 397.6 | 3000 | 12.35 | 0.0 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000</u> |
| Sampling Time: <u>1059</u> | Sampling Date: <u>01/17/25</u> |
| Sample I.D.: <u>MW-6</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE C.O.C</u> | |
| Equipment Blank I.D.: <u>—</u> @ <u> </u> Time Duplicate I.D.: <u>—</u> | |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|-------------------------------------|
| Project #: 250117-KL2 | Client: ERG |
| Sampler: Kc | Gauging Date: 1 / 17 / 25 |
| Well I.D.: MW-8 | Well Diameter (in.): ② 3 4 6 8 |
| Total Well Depth (ft.): 19.38 | Depth to Water (ft.): 9.13 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVO</u> Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0952 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 0955 | 12.02 | 6.30 | 370 | 61 | 1.13 | 47.4 | 6000 | 9.28 |
| 0958 | 12.51 | 6.45 | 372 | 53 | 1.07 | 34.8 | 1200 | 9.33 |
| 1001 | 12.89 | 6.44 | 372 | 51 | 1.05 | 30.8 | 1800 | 9.39 |
| 1004 | 12.95 | 6.43 | 371 | 54 | 1.05 | 31.5 | 2400 | 9.44 |
| 1007 | 12.80 | 6.41 | 371 | 53 | 1.05 | 30.6 | 3000 | 9.48 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: |
| Sampling Time: 1010 | Sampling Date: 1 / 17 / 25 |
| Sample I.D.: MW-8 | Laboratory: TRACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: see CDC |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: — |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------|---------------------------------------|
| Project #: 250117-KC2 | Client: ERG |
| Sampler: KC | Gauging Date: 1/17/25 |
| Well I.D.: MW-9 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 20.24 | Depth to Water (ft.): 9.20 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>EC</u> Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other
 Start Purge Time: 0915 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) | PID |
|------|---------------------------------|------|---------------------------------------|---------------------|----------------|-------------|--|-------------------------|-----|
| 0921 | 12.43 | 6.85 | 558 | 48 | 1.12 | 26.2 | 600 | 9.50 | 0.0 |
| 0924 | 13.01 | 6.93 | 537 | 162 | 1.09 | 19.7 | 1200 | 9.50 | |
| 0927 | 12.76 | 6.90 | 532 | 126 | 1.07 | 13.9 | 1800 | 9.50 | |
| 0930 | 13.08 | 6.87 | 524 | 121 | 1.06 | 13.3 | 2400 | 9.53 | |
| 0933 | 13.04 | 6.84 | 524 | 118 | 1.05 | 13.0 | 3000 | 9.55 | |
| 0936 | 13.13 | 6.80 | 521 | 115 | 1.05 | 14.1 | 3600 | 9.53 | |
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|---|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3600 mL</u> |
| Sampling Time: <u>0939</u> | Sampling Date: <u>1/17/25</u> |
| Sample I.D.: <u>MW-9</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>SEE COC</u> |
| Equipment Blank I.D.: @ Time | Duplicate I.D.: <u>DVP-1</u> |

LOW FLOW WELL MONITORING DATA SHEET

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| Project #: <u>250117-KCZ</u> | Client: <u>ERRG</u> |
| Sampler: <u>KL</u> | Gauging Date: <u>1/17/25</u> |
| Well I.D.: <u>MW-13</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>18.8 to 66</u> | Depth to Water (ft.): <u>10.21</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>pye</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1022 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 1025 | 11.28 | 5.47 | 677 | 42 | 1.14 | 87.9 | 600 | 10.81 |
| 1028 | 11.72 | 5.67 | 712 | 39 | 1.09 | 77.6 | 1200 | 11.01 |
| 1031 | 11.67 | 5.83 | 721 | 38 | 1.06 | 66.3 | 1800 | 11.15 |
| 1034 | 11.71 | 5.87 | 725 | 40 | 1.05 | 62.9 | 2400 | 11.21 |
| 1037 | 11.85 | 5.89 | 726 | 39 | 1.05 | 62.5 | 3000 | 11.29 |
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| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>1040</u> | Sampling Date: <u>1/17/25</u> |
| Sample I.D.: <u>MW-13</u> | Laboratory: <u>PALE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>see COC</u> | |
| Equipment Blank I.D.: @ Time Duplicate I.D.: <u>—</u> | |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------|-------------------------------------|
| Project #: 250117-KC1 | Client: ERPG |
| Sampler: LJ | Gauging Date: 1-17-25 |
| Well I.D.: MW-14 | Well Diameter (in.): ② 3 4 6 8 |
| Total Well Depth (ft.): 18.80 | Depth to Water (ft.): 7.57 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVO Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0853 Flow Rate: 200 mL/min Pump Depth: 13.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or μS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0856 | 11.70 | 8.07 | 395 | 22 | 2.69 | 76.8 | 600 | 7.95 | 0.0 |
| 0859 | 12.07 | 7.89 | 401 | 22 | 2.63 | 79.9 | 1200 | 8.11 | 0.0 |
| 0902 | 11.72 | 7.74 | 407 | 20 | 2.63 | 82.1 | 1800 | 8.23 | 0.0 |
| 0905 | 11.65 | 7.70 | 407 | 19 | 2.61 | 84.1 | 2400 | 8.29 | 0.0 |
| 0908 | 11.80 | 7.68 | 406 | 19 | 2.59 | 85.5 | 3000 | 8.33 | 0.0 |
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| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 0909 | Sampling Date: 1-17-25 |
| Sample I.D.: MW-14 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COC |
| Equipment Blank I.D.: @ <small>Time</small> | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------|-----------------------------------|
| Project #: 250117-KC1 | Client: ERRC |
| Sampler: L | Gauging Date: 1-17-25 |
| Well I.D.: MW-15 | Well Diameter (in.): (2) 3 4 6 8 |
| Total Well Depth (ft.): 17.11 | Depth to Water (ft.): 6.50 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | Flow Cell Type: |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0946 Flow Rate: 200 mL/min Pump Depth: 12'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0949 | 9.77 | 6.89 | 134 | 45 | 2.77 | 103.9 | 600 | 6.83 | 0.0 |
| 0952 | 9.84 | 6.68 | 122 | 30 | 2.75 | 105.1 | 1200 | 6.82 | 0.0 |
| 0955 | 9.57 | 6.50 | 118 | 30 | 2.76 | 105.7 | 1800 | 6.94 | 0.0 |
| 0958 | 9.63 | 6.47 | 117 | 30 | 2.74 | 106.3 | 2400 | 6.99 | 0.0 |
| 1001 | 9.74 | 6.41 | 116 | 29 | 2.72 | 107.0 | 3000 | 7.02 | 0.0 |
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| Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 1002 | Sampling Date: 1-17-25 |
| Sample I.D.: MW-15 | Laboratory: PALC |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COL |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------------|---------------------------------------|
| Project #: 250117- 12 C1 | Client: ERG |
| Sampler: LJ | Gauging Date: 1-17-25 |
| Well I.D.: MW-16 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 17.54 | Depth to Water (ft.): 8.11 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVO</u> Grade | Flow Cell Type: <u>Hamn</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0922 Flow Rate: 200 mL/min Pump Depth: 13'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or μS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|------------|
| 0925 | 10.89 | 7.32 | 527 | 147 | 2.68 | 78.9 | 600 | 8.44 | P10 0.0 |
| 0928 | 11.78 | 7.29 | 524 | 128 | 2.62 | 79.2 | 1200 | 8.56 | 0.0 |
| 0931 | 12.05 | 7.25 | 529 | 58 | 2.58 | 79.8 | 1800 | 8.70 | 0.0 |
| 0934 | 11.99 | 7.22 | 531 | 57 | 2.56 | 80.4 | 2400 | 8.83 | 0.0 |
| 0937 | 12.16 | 7.17 | 531 | 54 | 2.56 | 81.3 | 3000 | 8.91 | 0.0 |
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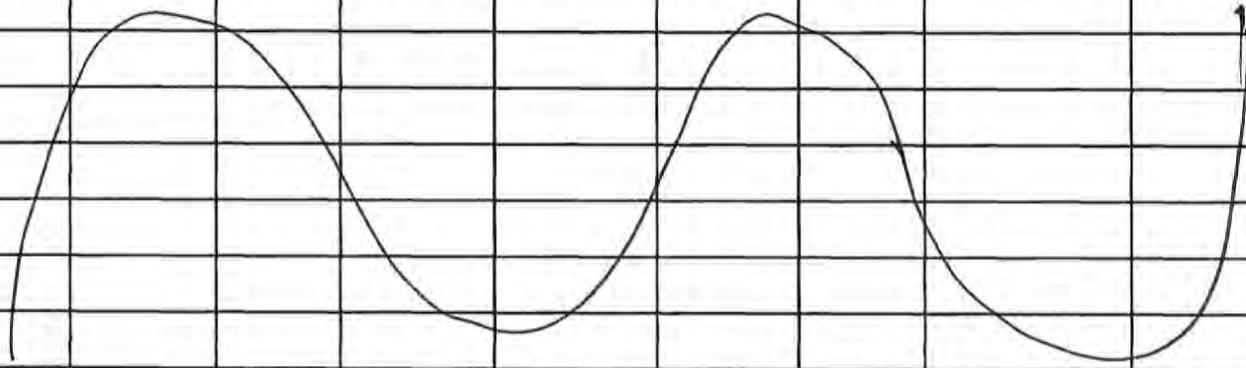
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|---|------------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 0938 | Sampling Date: 1-17-25 |
| Sample I.D.: MW-16 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: see COL |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------|-------------------------------------|
| Project #: 250117-KC1 | Client: ERPG |
| Sampler: LJ | Gauging Date: 1-17-25 |
| Well I.D.: MW-17 | Well Diameter (in.): (2) 3 4 6 8 |
| Total Well Depth (ft.): 19.70 | Depth to Water (ft.): 10.77 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: RVE Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1019 Flow Rate: 200 mL/min Pump Depth: 15.5

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1022 | 9.54 | 6.52 | 113 | 17 | 2.97 | 85.4 | 600 | 11.02 | 0-0 |
| 1025 | 9.86 | 6.61 | 112 | 14 | 2.93 | 83.4 | 1200 | 11.02 | 0-0 |
| 1028 | 9.97 | 6.63 | 113 | 13 | 2.92 | 83.2 | 1800 | 11.02 | 0-0 |
| 1031 | 10.10 | 6.64 | 113 | 13 | 2.90 | 82.9 | 2400 | 11.02 | 0-0 |
| 1034 | 10.21 | 6.64 | 111 | 12 | 2.89 | 83.2 | 3000 | 11.02 | 0-0 |



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|---|------------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 1035 | Sampling Date: 1-17-25 |
| Sample I.D.: MW-17 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: Sed Col |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------|-------------------------------------|
| Project #: 250117-KC1 | Client: ERG |
| Sampler: L3 | Gauging Date: 1-17-25 |
| Well I.D.: MW-18 | Well Diameter (in.): 6 3 4 6 8 |
| Total Well Depth (ft.): 14.90 | Depth to Water (ft.): 11.79 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVC Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1054 Flow Rate: 200 mL/min Pump Depth: 13.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|------------|
| 1057 | 10.76 | 6.58 | 902 | 17 | 2.76 | 78.1 | 600 | 12.42 | P10 0.0 |
| 1100 | 10.92 | 6.67 | 310 | 18 | 2.72 | 76.8 | 1200 | 12.52 | 0.0 |
| 1103 | 10.91 | 6.70 | 314 | 18 | 2.69 | 77.7 | 1800 | 12.69 | 0.0 |
| 1106 | 10.85 | 6.72 | 315 | 17 | 2.68 | 78.6 | 2400 | 12.78 | 0.0 |
| 1109 | 10.77 | 6.72 | 315 | 18 | 2.67 | 79.0 | 3000 | 12.85 | 0.0 |
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| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000mL |
| Sampling Time: L3 HOD 1111 | Sampling Date: 1-17-25 |
| Sample I.D.: MW-18 | Laboratory: PACF |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COC |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250117-KC1</u> | Client: <u>ERPG</u> |
| Sampler: <u>MH</u> | Gauging Date: <u>01/17/25</u> |
| Well I.D.: <u>MW-19</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>20.10</u> | Depth to Water (ft.): <u>10.74</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>RVD</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1115 Flow Rate: 200 ML/MIN Pump Depth: 15.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1118 | 13.14 | 6.89 | 287 | 4 | 2.05 | 395.4 | 600 | 11.06 | 0.0 |
| 1121 | 13.15 | 6.87 | 287 | 2 | 1.97 | 391.7 | 1200 | 11.23 | 0.0 |
| 1124 | 13.25 | 6.75 | 303 | 2 | 1.91 | 391.0 | 1800 | 11.33 | 0.0 |
| 1127 | 13.31 | 6.69 | 306 | 2 | 1.89 | 390.3 | 2400 | 11.39 | 0.0 |
| 1130 | 13.34 | 6.66 | 367 | 2 | 1.90 | 387.6 | 3000 | 11.46 | 0.0 |
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|---|--|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000</u> |
| Sampling Time: <u>1133</u> | Sampling Date: <u>01/17/25</u> |
| Sample I.D.: <u>MW-19</u> | Laboratory: <u>PACE</u> |
| Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u> | Other: <u>SEE C.O.C</u> |
| Equipment Blank I.D.: <u>—</u> @ <u>Time</u> <u>—</u> | Duplicate I.D.: <u>—</u> |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---|
| Project #: 250117-KCZ | Client: ERRA |
| Sampler: KL | Gauging Date: 1/17/25 |
| Well I.D.: MW-20 | Well Diameter (in.): 2 3 <u>(4)</u> 6 8 |
| Total Well Depth (ft.): 19.59 | Depth to Water (ft.): 10.53 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1055 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 1058 | 11.49 | 6.09 | 490 | 69 | 1.13 | 52.7 | 600 | 10.70 |
| 1101 | 11.83 | 6.20 | 466 | 54 | 1.08 | 44.9 | 1200 | 10.89 |
| 1104 | 12.01 | 6.22 | 452 | 44 | 1.06 | 41.5 | 1800 | 10.98 |
| 1107 | 11.89 | 6.24 | 449 | 44 | 1.05 | 39.1 | 2400 | 11.04 |
| 1110 | 11.83 | 6.25 | 446 | 40 | 1.04 | 37.5 | 3000 | 11.09 |
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|---|---|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>1111</u> | Sampling Date: <u>1/17/25</u> |
| Sample I.D.: <u>MW-20</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>SEE COC</u> |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|--|
| Project #: <u>250117-KC1</u> | Client: <u>ERRG</u> |
| Sampler: <u>KL</u> | Gauging Date: <u>1/17/25</u> |
| Well I.D.: <u>MW-21</u> | Well Diameter (in.): 2 3 <u>(4)</u> 6 8 |
| Total Well Depth (ft.): <u>19.02</u> | Depth to Water (ft.): <u>9.64</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Piping New Tubing Other _____
 Start Purge Time: 0851 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>ML</u>) | Depth to Water (ft.) | PIC |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--|-------------------------|-----|
| 0854 | 11.56 | 5.98 | 944 | 65 | 1.19 | 79.2 | 600 | 9.78 | 0.0 |
| 0857 | 11.97 | 6.04 | 978 | 58 | 1.15 | 79.1 | 1200 | 9.85 | 0.0 |
| 0900 | 12.15 | 6.13 | 1022 | 54 | 1.11 | 72.3 | 1800 | 9.87 | 0.0 |
| 0903 | 11.99 | 6.14 | 1030 | 52 | 1.10 | 70.5 | 2400 | 9.85 | 0.0 |
| 0906 | 12.08 | 6.16 | 1038 | 53 | 1.09 | 67.5 | 3200 | 9.85 | 0.0 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>0909</u> | Sampling Date: <u>1/17/25</u> |
| Sample I.D.: <u>MW-21</u> | Laboratory: <u>PAGE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>Sec COC</u> | |
| Equipment Blank I.D.: @ Time Duplicate I.D.: <u>—</u> | |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|--|
| Project #: <u>250117-1001</u> | Client: <u>ERRG</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>1-17-25</u> |
| Well I.D.: <u>RW-1</u> | Well Diameter (in.): 2 <u>3</u> <u>4</u> 6 8 |
| Total Well Depth (ft.): <u>19.25</u> | Depth to Water (ft.): <u>11.14</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>eye</u> Grade | Flow Cell Type: <u>Hanna</u> |

Purge Method: 2" Grundfos Pump Peristaltic ~~Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1128 Flow Rate: 200mL/min Pump Depth: 15.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or μS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1131 | 11.42 | 6.91 | 275 | 16 | 2.79 | 81.7 | 600 | 11.44 | 0.0 |
| 1134 | 11.32 | 6.93 | 276 | 12 | 2.78 | 81.3 | 1200 | 11.47 | 0.0 |
| 1137 | 11.96 | 6.90 | 275 | 12 | 2.73 | 80.8 | 1800 | 11.50 | 0.0 |
| 1140 | 11.90 | 6.89 | 279 | 12 | 2.73 | 80.5 | 2400 | 11.52 | 0.0 |
| 1143 | 11.86 | 6.88 | 282 | 11 | 2.73 | 81.3 | 3000 | 11.53 | 0.0 |
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|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000mL</u> |
| Sampling Time: <u>1144</u> | Sampling Date: <u>1-17-25</u> |
| Sample I.D.: <u>LJ RW-1</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>See COC</u> |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

WELLHEAD INSPECTION FORM

Client: EPRG Site: 2350 24th Ave E Seattle WA Date: 1-17-25
 Job #: 250117-KC1 Technician: KC Page 1 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | | |
|---------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|---------------------------------------|---|--------------------------|--|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | | | Other (explain in notes) | |
| MW-2 | ✓ | | | | | | | | | | | | | | | |
| MW-4 | ✓ | | | | | | | | | | | | | | | |
| MW-6 | ✓ | | | | | | | | | | | | | | | |
| MW-7 | ✓ | | | | | | | | | | | | | | | |
| MW-8 | ✓ | | | | | | | | | | | | | | | |
| MW-9 | ✓ | | | | | | | | | | | | | | | |
| MW-10 | ✓ | | | | | | | | | | | | | | | |
| MW-11 | ✓ | | | | | | | | | | | | | | | |
| MW-13 | ✓ | | | | | | | | | | | | | | | |
| MW-14 | ~ | | | | | | | | | | | | | | | |
| MW-15 | ✓ | | | | | | | | | | | | | | | |
| MW-16 | ✓ | | | | | | | | | | | | | | | |
| MW-17 | ✓ | | | | | | | | | | | | | | | |
| MW-18 | ✓ | | | | | | | | | | | | | | | |
| MW-19 | ✓ | | | | | | | | | | | | | | | |
| MW-20 | ✓ | | | | | | | | | | | | | | | |
| MW-21 | ✓ | | | | | | | | | | | | | | | |

NOTES: _____

WELLHEAD INSPECTION FORM

Client: ERRG Site: 2350 24th Ave E Seattle WA Date: 1-17-25
 Job #: 250117-KC1 Technician: ICC Page 2 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | |
|---------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|---------------------------------------|---|--------------------------|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | | | Other (explain in notes) |
| RW-1 | ✓ | | | | | | | | | | | | | | |
| RW-2 | ✓ | | | | | | | | | | | | | | |
| RW-3 | ✓ | | | | | | | | | | | | | | |
| RW-4 | ✓ | | | | | | | | | | | | | | |
| RW-5 | ✓ | | | | | | | | | | | | | | |
| RW-6 | ✓ | | | | | | | | | | | | | | |
| RW-7 | ✓ | | | | | | | | | | | | | | |
| RW-8 | ✓ | | | | | | | | | | | | | | |
| RW-9 | ✓ | | | | | | | | | | | | | | |
| RW-10 | ✓ | | | | | | | | | | | | | | |
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NOTES: _____

PURGE DRUM INVENTORY LOG

CLIENT ERRC7

SITE ADDRESS 2350 24th Ave E, Seattle, WA

| STATUS OF DRUM(S) UPON ARRIVAL | | | | | | | |
|--|---|---------|--|--|--|--|--|
| Number of drum(s) empty: | 0 | 0 | | | | | |
| Number of drum(s) 1/4 full: | 0 | 1 | | | | | |
| Number of drum(s) 1/2 full: | 0 | 0 | | | | | |
| Number of drum(s) 3/4 full: | 0 | 0 | | | | | |
| Number of drum(s) full: | 3 | 0 | | | | | |
| Total drum(s) on site: | 3 | 1 | | | | | |
| STATUS OF DRUM(S) UPON DEPARTURE | | | | | | | |
| Number of drum(s) empty: | 0 | 0 | | | | | |
| Number of drum(s) 1/4 full: | 1 | 0 | | | | | |
| Number of drum(s) 1/2 full: | 0 | 1 | | | | | |
| Number of drum(s) 3/4 full: | 0 | 0 | | | | | |
| Number of drum(s) full: | 3 | 0 | | | | | |
| Total drum(s) on site: | 4 | 1 | | | | | |
| LOCATION OF DRUM(S) | | | | | | | |
| Is/Are drum(s) at wellhead(s)? | Yes | Yes | | | | | |
| Describe location if drum(s) is/are located elsewhere: | Drum located next to MW-17 in fenced area | | | | | | |
| Label drum(s) properly: | Yes | Yes | | | | | |
| FINAL STATUS | | | | | | | |
| Number of new drum(s) left on site this event: | 1 | 0 | | | | | |
| Date of inspection: | 10/11/24 | 1/17/25 | | | | | |
| Logged by BTS Field Technician: | AR | KC | | | | | |
| Office reviewed by: | | | | | | | |

1/2

WELL GAUGING DATA

Project # 250221-MH1 Date 2-21-25 Client ERRG

Site 2350 24th Ave E Seattle WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Water/SPH Meter | PID (PPM) |
|---------|------|------------------|--------------|----------------------------------|----------------------------|------------------------------------|----------------------|----------------------------|-----------------|-----------|
| MW-2 | 0816 | 2 | - | - | - | - | 9.49 | 16.38 | | 0.0 |
| MW-4 | | UNABLE TO ACCESS | | | | | | | | |
| MW-6 | 0947 | 2 | - | - | - | - | 11.70 | 20.30 | | 0.0 |
| MW-7 | 0814 | 2 | - | - | - | - | 7.27 | 20.26 | | 0.0 |
| MW-8 | 0944 | 2 | - | - | - | - | 9.53 | 19.37 | | 0.0 |
| MW-9 | 0940 | 2 | - | - | - | - | 10.12 | 20.24 | | 0.0 |
| MW-10 | 0817 | 2 | OBSTRUCTED @ | | | 9.87 | | | | 0.0 |
| MW-11 | 0820 | 2 | - | - | - | - | 2.85 | 19.81 | | 0.0 |
| MW-13 | 0825 | 2 | - | - | - | - | 11.26 | 18.71 | | 0.0 |
| MW-14 | 0827 | 2 | - | - | - | - | 7.51 | 19.03 | | 0.0 |
| MW-15 | 0824 | 2 | - | - | - | - | 4.52 | 17.11 | | 0.0 |
| MW-16 | 0943 | 2 | - | - | - | - | 8.37 | 17.40 | | 0.0 |
| MW-17 | 0832 | 2 | - | - | - | - | 12.23 | 19.81 | | 0.0 |
| MW-18 | 0812 | 2 | - | - | - | - | 12.71 | 15.93 | | 0.0 |
| MW-19 | 0829 | 2 | - | - | - | - | 13.35 | 20.60 | | 0.0 |

Instruments Used: Durham Geoslope Water Level Indicator* GeoTech Oil/Water Interface Probe** Other: _____

Survey Point - Top of casing at all wells

2/2

WELL GAUGING DATA

Project # 250221-MHI Date 2-21-25 Client ERRE

Site 2350 24th Ave E Seattle WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Water/ SPD Meter | PID (PPM) |
|---------|------|-----------------|--------------|----------------------------------|----------------------------|------------------------------------|----------------------|----------------------------|-----------------------------------|-----------|
| MW-20 | 0823 | 4 | - | - | - | - | 13.29 | 19.51 | ↓ | 0.1 |
| MW-21 | 0907 | 4 | - | - | - | 13.39 | 19.02 | 0.0 | | |
| RW-1 | 0816 | 4 | - | - | - | 12.70 | 20.18 | 0.0 | | |
| RW-2 | 0828 | 4 | - | - | - | 11.40 | 19.29 | 0.0 | | |
| RW-3 | 0832 | 4 | - | - | - | 11.65 | 19.84 | 0.2 | | |
| RW-4 | 0835 | 4 | - | - | - | 12.65 | 19.81 | 0.0 | | |
| RW-5 | 0839 | 4 | - | - | - | 12.76 | 19.57 | 0.0 | | |
| RW-6 | 0821 | 4 | - | - | - | 9.30 | 19.52 | 0.0 | | |
| RW-7 | 0826 | 4 | - | - | - | 12.39 | 18.70 | 0.0 | | |
| RW-8 | 0903 | 4 | - | - | - | 12.04 | 20.15 | 0.0 | | |
| RW-9 | 0820 | 4 | - | - | - | 14.17 | 20.94 | 0.0 | | |
| RW-10 | 0854 | 4 | - | - | - | 12.78 | 30.11 | 0.0 | | |
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Instruments Used: Durham Geoslope Water Level Indicator* GeoTech Oil/Water Interface Probe** Other: _____

Survey Point - Top of casing at all wells

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250221-1001</u> | Client: <u>ERPG</u> |
| Sampler: <u>KC</u> | Gauging Date: <u>2/21/25</u> |
| Well I.D.: <u>MW-6</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 <u> </u> |
| Total Well Depth (ft.): <u>20.30</u> | Depth to Water (ft.): <u>11.70</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 1021 Flow Rate: 200 mL/min Pump Depth: 10'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|---------------------|------|--|---------------------|----------------|-------------|--|-------------------------|
| 1024 | 12.29 | 6.33 | 516 | 309 | 1.61 | 28.4 | 600 | 11.91 |
| 1027 | 12.41 | 6.40 | 545 | 180 | 1.48 | 21.7 | 1200 | 12.01 |
| 1030 | 12.36 | 6.48 | 550 | 93 | 1.49 | 21.2 | 1800 | 12.05 |
| 1033 | 12.38 | 6.48 | 550 | 86 | 1.49 | 21.1 | 2400 | 12.08 |
| 1036 | 12.32 | 6.49 | 551 | 91 | 1.49 | 20.8 | 3000 | 12.10 |
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Did well dewater? Yes No Amount actually evacuated: ~3000ml

Sampling Time: 1039 Sampling Date: 2/21/25

Sample I.D.: MW-6 Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see CDC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250221-MH2</u> | Client: <u>ERRG</u> |
| Sampler: <u>KC</u> | Gauging Date: <u>2/21/25</u> |
| Well I.D.: <u>MW-8</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>19.37</u> | Depth to Water (ft.): <u>9.53</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>ve</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: ~~Dedicated Tubing~~ New Tubing Other _____
 Start Purge Time: 0951 Flow Rate: 200 ml/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|---------------------|------|--|---------------------|----------------|-------------|--|-------------------------|
| 0954 | 12.40 | 6.68 | 350 | 74 | 0.29 | 6.2 | 600 | 9.98 |
| 0957 | 12.24 | 6.68 | 349 | 47 | 0.25 | 3.3 | 1200 | 10.04 |
| 1000 | 12.24 | 6.64 | 349 | 42 | 0.27 | 4.1 | 1800 | 10.06 |
| 1003 | 12.34 | 6.66 | 348 | 43 | 0.27 | 3.0 | 2400 | 10.11 |
| 1006 | 12.43 | 6.65 | 347 | 40 | 0.27 | 3.0 | 3000 | 10.11 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000ml</u> |
| Sampling Time: <u>1009</u> | Sampling Date: <u>2/21/25</u> |
| Sample I.D.: <u>MW-8</u> | Laboratory: <u>DALE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>see COC</u> |
| Equipment Blank I.D.: @ _____ Time | Duplicate I.D.: <u>DUP-1</u> |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------|-------------------------------------|
| Project #: 250221-MH2 | Client: ERRA |
| Sampler: KC | Gauging Date: 2/21/25 |
| Well I.D.: MW-9 | Well Diameter (in.): ② 3 4 6 8 |
| Total Well Depth (ft.): 20.24 | Depth to Water (ft.): 10.12 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVC Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0923 Flow Rate: 200 mL/min Pump Depth: 16'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 0926 | 12.77 | 6.85 | 517 | 36 | 0.41 | 11.6 | 600 | 10.31 |
| 0929 | 12.88 | 6.89 | 512 | 36 | 0.33 | 4.3 | 1200 | 10.35 |
| 0932 | 12.95 | 6.92 | 509 | 32 | 0.29 | -2.2 | 1800 | 10.39 |
| 0935 | 13.09 | 6.93 | 507 | 33 | 0.29 | -6.0 | 2400 | 10.42 |
| 0938 | 13.12 | 6.93 | 505 | 33 | 0.30 | -8.4 | 3000 | 10.45 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 0941 | Sampling Date: 2/21/25 |
| Sample I.D.: MW-9 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: SEE COC |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|---|
| Project #: <u>250221-MH1</u> | Client: <u>EEL ERG</u> |
| Sampler: <u>KL</u> | Gauging Date: <u>2/21/25</u> |
| Well I.D.: <u>MW-13</u> | Well Diameter (in.): 2 3 4 6 8 <u> </u> |
| Total Well Depth (ft.): <u>18.68</u> | Depth to Water (ft.): <u>11.26</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other
 Start Purge Time: 0855 Flow Rate: 200 mL/min Pump Depth: 15.5

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or μS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) | f.d |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--|-------------------------|-----|
| 0858 | 11.59 | 6.31 | 751 | 31 | 0.55 | 50.1 | 600 | 11.51 | 0.0 |
| 0901 | 11.89 | 6.34 | 760 | 28 | 0.42 | 48.3 | 1200 | 11.74 | 0.0 |
| 0904 | 12.10 | 6.41 | 765 | 26 | 0.30 | 41.7 | 1800 | 11.93 | 0.0 |
| 0907 | 12.13 | 6.42 | 767 | 25 | 0.29 | 39.2 | 2400 | 12.04 | 0.0 |
| 0910 | 12.18 | 6.44 | 768 | 25 | 0.28 | 36.4 | 3000 | 12.13 | 0.0 |
| | | | | | | | | | |

| | |
|---|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>0913</u> | Sampling Date: <u>2/21/25</u> |
| Sample I.D.: <u>MW-13</u> | Laboratory: <u>PACE</u> |
| Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u> | Other: <u>See COC</u> |
| Equipment Blank I.D.: <u>@</u> Time | Duplicate I.D.: <u> </u> |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------------|-------------------------------------|
| Project #: 250221-MH1 | Client: ERRC |
| Sampler: L3 | Gauging Date: 2-21-25 |
| Well I.D.: MW-14 | Well Diameter (in.): (2) 3 4 6 8 |
| Total Well Depth (ft.): 19.03 | Depth to Water (ft.): 7.51 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVE Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1006 Flow Rate: 200 mL/min Pump Depth: 13.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1009 | 11.51 | 6.93 | 333 | 101 | 2.97 | 87.0 | 600 | 7.83 | 0.0 |
| 1012 | 11.66 | 6.85 | 329 | 27 | 2.86 | 94.9 | 1200 | 7.98 | 0.0 |
| 1015 | 11.75 | 6.83 | 332 | 28 | 2.79 | 91.4 | 1800 | 8.10 | 0.0 |
| 1018 | 11.90 | 6.82 | 330 | 27 | 2.73 | 89.1 | 2400 | 8.21 | 0.0 |
| 1021 | 12.00 | 6.81 | 328 | 26 | 2.70 | 87.5 | 3000 | 8.30 | 0.0 |
| | | | | | | | | | |

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|---|------------------------------------|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 1023 | Sampling Date: 2-21-25 |
| Sample I.D.: MW-14 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COC |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

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|-------------------------------|-------------------------------------|
| Project #: 250221-MH1 | Client: ERRL |
| Sampler: LJ | Gauging Date: 2-21-25 |
| Well I.D.: MW-15 | Well Diameter (in.): 2 3 4 6 8 |
| Total Well Depth (ft.): 17.11 | Depth to Water (ft.): 4.52 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVE Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1038 Flow Rate: 200 mL/min Pump Depth: 11'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1041 | 10.03 | 6.85 | 101 | 27 | 3.33 | 101.4 | 600 | 5.10 | 0.0 |
| 1044 | 10.17 | 6.65 | 98 | 26 | 3.27 | 100.7 | 1200 | 5.28 | 0.0 |
| 1047 | 10.15 | 6.55 | 96 | 26 | 3.24 | 99.9 | 1600 | 5.45 | 0.0 |
| 1050 | 10.16 | 6.52 | 96 | 26 | 3.23 | 100.3 | 2400 | 5.62 | 0.0 |
| 1053 | 10.19 | 6.47 | 95 | 27 | 3.21 | 101.2 | 3000 | 5.79 | 0.0 |
| | | | | | | | | | |

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|---|-----------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000ML |
| Sampling Time: 1055 | Sampling Date: 2-21-25 |
| Sample I.D.: MW-15 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COC |
| Equipment Blank I.D.: @ <small>Time</small> | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250221-MH1</u> | Client: <u>ERPC</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>2-21-25</u> |
| Well I.D.: <u>MW-16</u> | Well Diameter (in.): <u>(2)</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>17.40</u> | Depth to Water (ft.): <u>8.37</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Hammer</u> |

| | | |
|--|---|------------------------------------|
| Purge Method: <u>2" Grundfos Pump</u> | <input checked="" type="radio"/> Peristaltic Pump | <input type="radio"/> Bladder Pump |
| Sampling Method: <u>Dedicated Tubing</u> | <input type="radio"/> New Tubing | <input type="radio"/> Other |
| Start Purge Time: <u>0943</u> | Flow Rate: <u>200mL/min</u> | Pump Depth: <u>12.5'</u> |

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PIC |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0946 | 11.63 | 6.88 | 801 | 66 | 3.19 | 94.8 | 600 | 8.49 | 0.6 |
| 0949 | 11.85 | 6.89 | 825 | 124 | 3.13 | 93.8 | 1200 | 8.49 | 0.0 |
| 0952 | 11.89 | 6.88 | 859 | 68 | 3.10 | 92.7 | 1800 | 8.52 | 0.0 |
| 0955 | 12.02 | 6.91 | 871 | 65 | 3.07 | 90.6 | 2400 | 8.55 | 0.0 |
| 0958 | 12.13 | 6.93 | 880 | 63 | 3.00 | 88.7 | 3000 | 8.57 | 0.0 |
| | | | | | | | | | |

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|---|--|
| Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/> | Amount actually evacuated: <u>3000mL</u> |
| Sampling Time: <u>1000</u> | Sampling Date: <u>2-21-25</u> |
| Sample I.D.: <u>MW-16</u> | Laboratory: <u>PACE</u> |
| Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u> | Other: <u>See COC</u> |
| Equipment Blank I.D.: <u>@</u> Time | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|--|
| Project #: <u>250221-M41</u> | Client: <u>ERPG</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>2-21-25</u> |
| Well I.D.: <u>MW-17</u> | Well Diameter (in.): <u>(2)</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>19.81</u> | Depth to Water (ft.): <u>12.23</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Hanna</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1126 Flow Rate: 200mL/min Pump Depth: 16'

| Time | Temp. (<u>C</u> or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) | PID |
|------|----------------------------|------|-----------------------------------|---------------------|----------------|-------------|--|-------------------------|-----|
| 1129 | 14.56 | 6.82 | 93 | 18 | 3.04 | 77.2 | 600 | 12.41 | 0.0 |
| 1132 | 14.73 | 6.82 | 94 | 16 | 3.01 | 77.9 | 1200 | 12.46 | 0.0 |
| 1135 | 14.65 | 6.85 | 94 | 16 | 3.02 | 77.2 | 1800 | 12.50 | 0.0 |
| 1138 | 14.61 | 6.86 | 95 | 16 | 3.01 | 77.7 | 2400 | 12.54 | 0.0 |
| 1141 | 14.64 | 6.83 | 95 | 15 | 3.00 | 79.1 | 3000 | 12.56 | 0.0 |
| | | | | | | | | | |

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|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000mL</u> |
| Sampling Time: <u>1143</u> | Sampling Date: <u>2-21-25</u> |
| Sample I.D.: <u>MW-17</u> | Laboratory: <u>PACE</u> |
| Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u> | Other: <u>See COC</u> |
| Equipment Blank I.D.: _____ @ _____ Time | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|---|
| Project #: <u>250221-MH1</u> | Client: <u>ERPG</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>2-21-25</u> |
| Well I.D.: <u>MW-18</u> | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>15.93</u> | Depth to Water (ft.): <u>12.71</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Hannay</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0918 Flow Rate: 200ml/min Pump Depth: 14.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0921 | 11.19 | 7.46 | 314 | 25 | 3.10 | 92.0 | 600 | 13.39 | 0.0 |
| 0924 | 11.35 | 7.41 | 316 | 21 | 3.05 | 91.7 | 1200 | 13.50 | 0.0 |
| 0927 | 11.17 | 7.33 | 314 | 17 | 3.01 | 91.6 | 1800 | 13.54 | 0.0 |
| 0930 | 11.30 | 7.29 | 314 | 17 | 2.98 | 92.0 | 2400 | 13.59 | 0.0 |
| 0933 | 11.50 | 7.32 | 316 | 16 | 2.95 | 87.3 | 3000 | 13.63 | 0.0 |
| | | | | | | | | | |

| | |
|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000ML</u> |
| Sampling Time: <u>0935</u> | Sampling Date: <u>2-21-25</u> |
| Sample I.D.: <u>MW-18</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>See COC</u> |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------|-------------------------------------|
| Project #: 250221-MH1 | Client: ERPG |
| Sampler: L3 | Gauging Date: 2-21-25 |
| Well I.D.: MW-19 | Well Diameter (in.): 2 3 4 6 8 |
| Total Well Depth (ft.): 20.00 | Depth to Water (ft.): 13.35 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVC Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1102 Flow Rate: 200 mL/min Pump Depth: 16.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1105 | 12.79 | 6.71 | 137 | 18 | 2.91 | 72.8 | 600 | 13.47 | 0.0 |
| 1108 | 13.02 | 6.86 | 134 | 14 | 2.76 | 71.4 | 1200 | 13.53 | 0.0 |
| 1111 | 13.39 | 6.88 | 135 | 14 | 2.70 | 69.2 | 1800 | 13.56 | 0.0 |
| 1114 | 13.32 | 6.90 | 135 | 14 | 2.66 | 71.6 | 2400 | 13.59 | 0.0 |
| 1117 | 13.41 | 6.91 | 135 | 13 | 2.63 | 71.6 | 3000 | 13.61 | 0.0 |
| | | | | | | | | | |

| | |
|---|------------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 1120 | Sampling Date: 2-21-25 |
| Sample I.D.: MW-19 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See CEC |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---------------------------------------|
| Project #: 250221-MH1 | Client: ERG |
| Sampler: KC | Gauging Date: 2/21/25 |
| Well I.D.: MW-20 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 19.51 | Depth to Water (ft.): 13.29 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1129 Flow Rate: 200 ml/min Pump Depth: 17'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>ml</u>) | Depth to Water (ft.) |
|------|---------------------|------|--------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 1132 | 12.36 | 6.00 | 751 | 128 | 0.69 | 50.3 | 600 | 13.25 |
| 1135 | 12.43 | 6.12 | 779 | 88 | 0.47 | 43.2 | 1200 | 13.28 |
| 1138 | 12.58 | 6.26 | 793 | 67 | 0.36 | 35.5 | 1800 | 13.30 |
| 1141 | 12.78 | 6.30 | 789 | 63 | 0.34 | 29.4 | 2400 | 13.32 |
| 1144 | 12.83 | 6.35 | 788 | 61 | 0.35 | 26.3 | 3000 | 13.35 |
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|-------------------------------------|---|
| Did well dewater? Yes <u>No</u> | Amount actually evacuated: <u>3000 ml</u> |
| Sampling Time: <u>1147</u> | Sampling Date: <u>2/21/25</u> |
| Sample I.D.: <u>MW-20</u> | Laboratory: <u>PALE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>see COC</u> |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250221-MH1</u> | Client: <u>ERRG</u> |
| Sampler: <u>KC</u> | Gauging Date: <u>2/21/25</u> |
| Well I.D.: <u>MW-21</u> | Well Diameter (in.): 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): <u>19.02</u> | Depth to Water (ft.): <u>13.39</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVO</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1054 Flow Rate: 200 mL/min Pump Depth: 16.5

| Time | Temp. (C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|--------------------------------|------|--|---------------------|----------------|-------------|--|-------------------------|
| 1057 | 13.56 | 6.19 | 616 | 94 | 0.46 | 45.8 | 600 | 13.68 |
| 1100 | 13.80 | 6.25 | 621 | 66 | 0.29 | 40.9 | 1200 | 13.75 |
| 1103 | 13.87 | 6.37 | 621 | 55 | 0.28 | 37.9 | 1800 | 13.79 |
| 1106 | 13.74 | 6.47 | 621 | 48 | 0.29 | 35.8 | 2400 | 13.85 |
| 1109 | 13.73 | 6.50 | 622 | 51 | 0.30 | 32.9 | 3000 | 13.92 |
| 1112 | 13.71 | 6.50 | 622 | 50 | 0.30 | 31.4 | 3600 | 13.96 |
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| Did well dewater? Yes <u>NO</u> | Amount actually evacuated: <u>3600 gal</u> |
| Sampling Time: 1105 <u>KC 1115</u> | Sampling Date: <u>2/21/25</u> |
| Sample I.D.: <u>MW-21</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>see COC</u> | |
| Equipment Blank I.D.: @ Time Duplicate I.D.: <u>—</u> | |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---------------------------------------|
| Project #: 250221-MH1 | Client: EPRG |
| Sampler: LJ | Gauging Date: 2-21-25 |
| Well I.D.: RW-1 | Well Diameter (in.): 2 3 <u>4</u> 6 8 |
| Total Well Depth (ft.): 20.18 | Depth to Water (ft.): 12.70 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Handy</u> |

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|--|------------------------------|--------------------------|
| Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump |
| Sampling Method: <u>Dedicated</u> Tubing | New Tubing | Other |
| Start Purge Time: <u>0855</u> | Flow Rate: <u>200 mL/min</u> | Pump Depth: <u>16.5'</u> |

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or <u>µS/cm</u>) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or <u>mL</u>) | Depth to Water (ft.) | PID |
|------|---------------------|------|-----------------------------------|---------------------|----------------|-------------|--|-------------------------|-----|
| 0858 | 11.47 | 8.18 | 232 | 57 | 3.51 | 90.3 | 600 | 12.99 | 0.0 |
| 0901 | 12.72 | 8.22 | 225 | 57 | 3.28 | 78.1 | 1200 | 13.08 | 0.0 |
| 0904 | 12.94 | 8.17 | 224 | 50 | 3.19 | 77.0 | 1800 | 13.11 | 0.0 |
| 0907 | 12.93 | 8.12 | 225 | 48 | 3.15 | 77.6 | 2400 | 13.13 | 0.0 |
| 0910 | 13.05 | 8.09 | 226 | 47 | 3.10 | 78.3 | 3000 | 13.14 | 0.0 |
| | | | | | | | | | |

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|---|---|
| Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>0912</u> | Sampling Date: <u>2-21-25</u> |
| Sample I.D.: <u>RW-1</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>See COC</u> |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: _____ |

WELLHEAD INSPECTION FORM

Client: ERK6 Site: 2350 24th Ave E Seattle WA Date: 2-21-25
 Job #: 250221-MH1 Technician: MH, CJ, KC Page 1 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | | |
|---------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|---------------------------------------|---|--------------------------|---|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | | | Other (explain in notes) | |
| MW-2 | X | | | | | | | | | | | | | | | |
| MW-4 | X | | | | | | | | | | | | | | | UNABLE TO GANGE BIC NO OPENING FOR PROBE |
| MW-6 | X | | | | | | | | | | | | | | | |
| MW-7 | X | | | | | | | | | | | | | | | |
| MW-8 | X | | | | | | | | | | | | | | | |
| MW-9 | X | | | | | | | | | | | | | | | |
| MW-10 | X | | | | | | | | | | | | | | | WELL IS OBSTRUCTED |
| MW-11 | X | | | | | | | | | | | | | | | |
| MW-13 | X | | | | | | | | | | | | | | | |
| MW-14 | X | | | | | | | | | | | | | | | |
| MW-15 | X | | | | | | | | | | | | | | | |
| MW-16 | X | | | | | | | | | | | | | | | |
| MW-17 | X | | | | | | | | | | | | | | | |
| MW-18 | X | | | | | | | | | | | | | | | |
| MW-19 | X | | | | | | | | | | | | | | | |
| MW-20 | X | | | | | | | | | | | | | | | |
| MW-21 | X | | | | | | | | | | | | | | | |

NOTES: _____

WELLHEAD INSPECTION FORM

Client: EPRC7 Site: 2350 24th Ave E Seattle WA Date: 2-21-25
 Job #: 250221-MHI Technician: MH, KC, CJ Page 2 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lock replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | | |
|-----------------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|---------------------------------------|---|--------------------------|--|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | | | Other (explain in notes) | |
| RW-1 | X | | | | | | | | | | | | | | | |
| RW-2 | X | | | | | | | | | | | | | | | |
| RW-3 | X | | | | | | | | | | | | | | | |
| RW-4 | X | | | | | | | | | | | | | | | |
| RW-5 | X | | | | | | | | | | | | | | | |
| RW-6 | X | | | | | | | | | | | | | | | |
| RW-7 | X | | | | | | | | | | | | | | | |
| RW-8 | X | | | | | | | | | | | | | | | |
| RW-9 | X | | | | | | | | | | | | | | | |
| RW-10 | X | | | | | | | | | | | | | | | |
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NOTES: _____

PURGE DRUM INVENTORY LOG

CLIENT ERRC

SITE ADDRESS 2350 24th Ave E, Seattle, WA

| STATUS OF DRUM(S) UPON ARRIVAL | | | | | | |
|--|---|---------|----------|--|--|--|
| Number of drum(s) empty: | 0 | 0 | 0 | | | |
| Number of drum(s) 1/4 full: | 0 | 1 | 0 | | | |
| Number of drum(s) 1/2 full: | 0 | 0 | 1 | | | |
| Number of drum(s) 3/4 full: | 0 | 0 | 0 | | | |
| Number of drum(s) full: | 3 | 0 | 0 | | | |
| Total drum(s) on site: | 3 | 1 | 1 | | | |
| STATUS OF DRUM(S) UPON DEPARTURE | | | | | | |
| Number of drum(s) empty: | 0 | 0 | 0 | | | |
| Number of drum(s) 1/4 full: | 1 | 0 | 0 | | | |
| Number of drum(s) 1/2 full: | 0 | 1 | 1 | | | |
| Number of drum(s) 3/4 full: | 0 | 0 | 0 | | | |
| Number of drum(s) full: | 3 | 0 | 0 | | | |
| Total drum(s) on site: | 4 | 1 | 1 | | | |
| LOCATION OF DRUM(S) | | | | | | |
| Is/Are drum(s) at wellhead(s)? | Yes | Yes | Yes | | | |
| Describe location if drum(s) is/are located elsewhere: | Drum located next to MW-17 in fenced area | | | | | |
| Label drum(s) properly: | Yes | Yes | Yes | | | |
| FINAL STATUS | | | | | | |
| Number of new drum(s) left on site this event: | 1 | 0 | 0 | | | |
| Date of inspection: | 10/11/24 | 1/17/25 | 02/21/25 | | | |
| Logged by BTS Field Technician: | AR | KC | MH | | | |
| Office reviewed by: | | | | | | |

WELL GAUGING DATA

Project # 250328-KCI Date 3/28/25 Client ERRG

Site 2350 24th Ave E, Seattle, WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | Notes |
|---------|------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|---------------------------------|
| MW-2 | 0825 | 2 | — | — | — | — | 9.08 | 16.40 | | |
| MW-4 | 0818 | 2 | — | — | — | — | 31.10 | 88.23 | | INCORRECT WELL MEASURED AS MW-4 |
| MW-6 | 1017 | 2 | odor | — | — | — | 11.50 | 20.30 | | |
| MW-7 | 1040 | 2 | — | — | — | — | 11.24 | 20.32 | | |
| MW-8 | 0952 | 2 | — | — | — | — | 9.11 | 19.33 | | |
| MW-9 | 0923 | 2 | — | — | — | — | 10.06 | 20.20 | | |
| MW-10 | 1042 | — | obstructed @ | | | 9.22 ft | — | — | | |
| MW-11 | 0821 | 2 | — | — | — | — | 1.54 | 19.87 | | |
| MW-13 | 0833 | 2 | — | — | — | — | 11.96 | 18.73 | | |
| MW-14 | 0817 | 2 | — | — | — | — | 6.83 | 18.76 | | |
| MW-15 | 0819 | 2 | — | — | — | — | 2.53 | 17.06 | | |
| MW-16 | 0948 | 2 | — | — | — | — | 5.97 | 17.44 | | |
| MW-17 | 0815 | 2 | — | — | — | — | 12.22 | 19.75 | | |
| MW-18 | 0810 | 2 | — | — | — | — | 12.98 | 14.95 | | |
| MW-19 | 0815 | 2 | — | — | — | — | 13.23 | 19.85 | | |
| MW-20 | 0823 | 4 | — | — | — | — | 13.90 | 19.39 | | |
| MW-21 | 0828 | 4 | — | — | — | — | 14.17 | 18.82 | ↓ | |

WELL GAUGING DATA

Project # 250328-KCI Date 3/28/25 Client ERRG

Site 2350 24th Ave E, Seattle, WA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | Notes |
|---------|-------------------------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|-------|
| RW-1 | 0813 | 4 | — | — | — | — | 13.19 | 20.02 | ↓ | |
| RW-2 | 0830 | 4 | — | — | — | 11.92 | 19.30 | | | |
| RW-3 | 0833 | 4 | — | — | — | 12.10 | 19.77 | | | |
| RW-4 | 0830 | 4 | — | — | — | 12.70 | 19.78 | | | |
| RW-5 | 0825 | 4 | — | — | — | 13.81 | 19.41 | | | |
| RW-6 | 0822 | 4 | — | — | — | 10.06 | 19.57 | | | |
| RW-7 | 0812 | 4 | — | — | — | 12.97 | 18.70 | | | |
| RW-8 | 0832 | 4 | — | — | — | 13.21 | 20.00 | | | |
| RW-9 | 0834 0821 | 4 | — | — | — | 13.81 | 20.15 | | | |
| RW-10 | 0817 | 4 | — | — | — | 13.08 | 30.27 | | | |
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LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---------------------------------------|
| Project #: 250328-KC1 | Client: ERG |
| Sampler: <i>W</i> | Gauging Date: 3/28/25 |
| Well I.D.: MW-6 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 20.30 | Depth to Water (ft.): 11.50 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1020 Flow Rate: 200 ml/min Pump Depth: 16'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|---------------------|------|--|---------------------|----------------|--------------------------|--------------------------------|-------------------------|
| 1023 | 12.00 | 5.93 | 611 | 65 | 0.70 | -7.8 | 600 | 11.69 |
| 1026 | 12.13 | 6.11 | 620 | 58 | 0.68 | -15.3 | 1200 | 11.77 |
| 1029 | 12.13 | 6.21 | 626 | 61 | 0.70 | -7.7 -17.7 | 1800 | 11.90 |
| 1032 | 12.14 | 6.23 | 625 | 58 | 0.72 | -7.0 | 2400 | 12.00 |
| 1035 | 12.10 | 6.20 | 628 | 57 | 0.71 | -19.2 | 3000 | 12.11 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 ml |
| Sampling Time: 1038 | Sampling Date: 3/28/25 |
| Sample I.D.: MW-6 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: see col |
| Equipment Blank I.D.: @ <small>Time</small> | Duplicate I.D.: Dup-1 |

LOW FLOW WELL MONITORING DATA SHEET

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|---------------------------------|---------------------------------------|
| Project #: 250328-KL | Client: ERKG |
| Sampler: KC | Gauging Date: 3/28/25 |
| Well I.D.: MW-8 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 14.33 | Depth to Water (ft.): 9.11 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0954 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or μS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 0957 | 11.87 | 6.46 | 284 | 14 | 0.41 | -50.9 | 1000 | 9.31 |
| 1000 | 11.89 | 6.40 | 255 | 15 | 0.28 | -47.6 | 1200 | 9.34 |
| 1003 | 11.92 | 6.51 | 232 | 14 | 0.23 | -45.2 | 1800 | 9.38 |
| 1006 | 11.93 | 6.53 | 228 | 14 | 0.23 | -43.7 | 2400 | 9.43 |
| 1009 | 11.97 | 6.50 | 229 | 14 | 0.23 | -42.7 | 3000 | 9.50 |
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| Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 1012 | Sampling Date: 3/28/25 |
| Sample I.D.: MW-8 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: sec CCL |
| Equipment Blank I.D.: @ _____ | Duplicate I.D.: — |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250328-KC2</u> | Client: <u>ERFG</u> |
| Sampler: <u>KL</u> | Gauging Date: <u>3/28/25</u> |
| Well I.D.: <u>MW-9</u> | Well Diameter (in.): <u>(2)</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>20.20</u> | Depth to Water (ft.): <u>10.00</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVE</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0920 Flow Rate: 200 mL/min Pump Depth: 15'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------------------|------|---------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 0929 | 11.99 | 7.15 | 588 | 4 | 0.60 | -65.5 | 600 | 10.22 |
| 0932 | 11.94 | 7.40 | 570 | 3 | 0.36 | -70.1 | 1200 | 10.28 |
| 0935 | 11.88 | 7.35 | 546 | 3 | 0.24 | -68.7 | 1400 | 10.31 |
| 0938 | 11.89 | 7.29 | 539 | 3 | 0.23 | -62.3 | 2400 | 10.34 |
| 0941 | 11.90 | 7.26 | 542 | 3 | 0.23 | -61.4 | 3000 | 10.38 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>0944</u> | Sampling Date: <u>3/28/25</u> |
| Sample I.D.: <u>MW-9</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See CCL</u> | |
| Equipment Blank I.D.: @ Time | Duplicate I.D.: <u>—</u> |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|---|
| Project #: <u>250328-KC1</u> | Client: <u>ERRG</u> |
| Sampler: <u>CE</u> | Gauging Date: <u>3/28/25</u> |
| Well I.D.: <u>MW-13</u> | Well Diameter (in.): <u>0</u> 3 4 6 8 <u> </u> |
| Total Well Depth (ft.): <u>18.72</u> | Depth to Water (ft.): <u>12.05</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>HANNA</u> |

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|--|------------------------------|--------------------------|
| Purge Method: <u>2" Grundfos Pump</u> | <u>Peristaltic</u> Pump | Bladder Pump |
| Sampling Method: <u>Dedicated Tubing</u> | New Tubing | Other <u> </u> |
| Start Purge Time: <u>1053</u> | Flow Rate: <u>200 ml/min</u> | Pump Depth: <u>15.5'</u> |

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|---------------------------------|------|---------------------------------------|---------------------|----------------|-------------|--|-------------------------|
| 1056 | 12.58 | 5.79 | 770 | 53 | 0.60 | 28.0 | 600 | 12.11 |
| 1059 | 12.39 | 5.66 | 790 | 64 | 0.39 | 23.8 | 1200 | 12.20 |
| 1102 | 12.26 | 5.83 | 796 | 63 | 0.38 | 18.3 | 1800 | 12.31 |
| 1105 | 12.43 | 5.79 | 797 | 63 | 0.33 | 11.5 | 2400 | 12.43 |
| 1108 | 12.39 | 5.75 | 800 | 60 | 0.33 | 10.5 | 3000 | 12.49 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000ml</u> |
| Sampling Time: <u>3:12</u> <u>1111</u> | Sampling Date: <u>3/28/25</u> |
| Sample I.D.: <u>MW-13</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>see COC</u> |
| Equipment Blank I.D.: <u>@</u> Time | Duplicate I.D.: <u> </u> |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|---------------------------------|---------------------------------------|
| Project #: 250328-KC1 | Client: ERLG |
| Sampler: LJ | Gauging Date: 3-28-25 |
| Well I.D.: MW-14 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 18.76 | Depth to Water (ft.): 6.83 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Hanna</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1040 Flow Rate: 200 mL/min Pump Depth: 13'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1043 | 11.96 | 6.79 | 273 | 17 | 2.87 | 101.4 | 600 | 6.91 | 0.2 |
| 1046 | 12.06 | 6.86 | 278 | 17 | 2.83 | 100.8 | 1200 | 7.02 | 0.0 |
| 1049 | 12.05 | 6.92 | 280 | 16 | 2.82 | 100.4 | 1800 | 7.12 | 0.5 |
| 1052 | 12.03 | 6.97 | 282 | 17 | 2.81 | 100.4 | 2400 | 7.16 | 0.2 |
| 1055 | 11.99 | 7.01 | 283 | 16 | 2.80 | 100.2 | 3000 | 7.19 | 0.0 |
| | | | | | | | | | |

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|---|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>1056</u> | Sampling Date: <u>3-28-25</u> |
| Sample I.D.: <u>MW-14</u> | Laboratory: <u>PAE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>See COC</u> |
| Equipment Blank I.D.: _____ @ _____ Time | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250328-KC1</u> | Client: <u>EPRI</u> |
| Sampler: <u>U</u> | Gauging Date: <u>3-28-25</u> |
| Well I.D.: <u>MW-15</u> | Well Diameter (in.): <u>(2)</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>17.06</u> | Depth to Water (ft.): <u>2.53</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>Pyr</u> Grade | Flow Cell Type: <u>Handing</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1012 Flow Rate: 200 mL/min Pump Depth: 10'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1015 | 10.76 | 7.84 | 100 | 48 | 2.93 | 110.9 | 600 | 2.54 | 0.0 |
| 1018 | 10.80 | 7.56 | 96 | 30 | 2.89 | 112.2 | 1200 | 2.54 | 0.0 |
| 1021 | 10.85 | 7.30 | 94 | 25 | 2.86 | 113.5 | 1800 | 2.54 | 0.0 |
| 1024 | 10.90 | 7.15 | 93 | 25 | 2.84 | 113.7 | 2400 | 2.54 | 0.0 |
| 1027 | 10.92 | 7.09 | 93 | 25 | 2.83 | 114.1 | 3000 | 2.54 | 0.0 |
| 1030 | 10.90 | 7.07 | 92 | 24 | 2.82 | 114.9 | 3600 | 2.54 | 0.0 |
| | | | | | | | | | |

Did well dewater? Yes No Amount actually evacuated: 3600 mL

Sampling Time: 1031 Sampling Date: 3-28-25

Sample I.D.: MW-15 Laboratory: PALC

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CR

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

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|--------------------------------------|--|
| Project #: <u>250328-KC1</u> | Client: <u>ERR6</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>3-28-25</u> |
| Well I.D.: <u>MW-16</u> | Well Diameter (in.): <u>3</u> 3 4 6 8 |
| Total Well Depth (ft.): <u>17.44</u> | Depth to Water (ft.): <u>5.97</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>PVC</u> Grade | Flow Cell Type: <u>Hanna</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0950 Flow Rate: 200ml/min Pump Depth: 12.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 0953 | 11.08 | 7.64 | 764 | 175 | 3.12 | 106.4 | 600 | 6.48 |
| 0956 | 11.32 | 7.63 | 855 | 194 | 3.05 | 104.5 | 1200 | 6.65 |
| 0959 | 11.31 | 7.64 | 843 | 182 | 3.03 | 103.6 | 1800 | 6.67 |
| 1002 | 11.28 | 7.63 | 839 | 178 | 3.04 | 104.8 | 2400 | 6.75 |
| 1005 | 11.22 | 7.62 | 832 | 171 | 3.04 | 104.7 | 3000 | 6.99 |
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P10
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|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3000mL</u> |
| Sampling Time: <u>1006</u> | Sampling Date: <u>3-28-25</u> |
| Sample I.D.: <u>MW-16</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>sew</u> | |
| Equipment Blank I.D.: @ Time | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|---------------------------------|---|
| Project #: 250328-KC2 | Client: ERCA |
| Sampler: KL | Gauging Date: 3/28 |
| Well I.D.: MW-17 | Well Diameter (in.): <u>2</u> 3 4 6 8 |
| Total Well Depth (ft.): 19.75 | Depth to Water (ft.): 12.22 |
| Depth to Free Product: _____ | Thickness of Free Product (feet): _____ |
| Referenced to: <u>PVE</u> Grade | Flow Cell Type: HANNA |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1148 Flow Rate: 200 mL / min Pump Depth: 16.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 1151 | 12.07 | 6.16 | 194 | 20 | 2.34 | -32.2 | 600 | 12.45 |
| 1154 | 12.21 | 5.84 | 185 | 20 | 2.27 | -28.4 | 1200 | 12.51 |
| 1157 | 12.37 | 5.79 | 178 | 27 | 2.24 | -31.9 | 1800 | 12.51 |
| 1200 | 12.54 | 5.82 | 177 | 29 | 2.23 | -34.6 | 2400 | 12.51 |
| 1203 | 12.53 | 5.76 | 177 | 28 | 2.24 | -36.1 | 3000 | 12.51 |
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|---|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000 mL</u> |
| Sampling Time: <u>1206</u> | Sampling Date: <u>3/28/25</u> |
| Sample I.D.: <u>MW-17</u> | Laboratory: <u>PALE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: <u>see COU</u> |
| Equipment Blank I.D.: _____ @ _____ Time | Duplicate I.D.: _____ |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------|-------------------------------------|
| Project #: 250328-KC1 | Client: ERKG |
| Sampler: LJ | Gauging Date: 3-28-25 |
| Well I.D.: MW-18 | Well Diameter (in.): (2) 3 4 6 8 |
| Total Well Depth (ft.): 12.98 | Depth to Water (ft.): 14.93 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: (PVC) Grade | Flow Cell Type: Hanna |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0850 Flow Rate: 200 mL/min Pump Depth: 14'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | P10 |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0853 | 11.55 | 8.94 | 416 | 16 | 3.18 | 105.1 | 600 | 13.28 | 0.0 |
| 0856 | 11.26 | 8.73 | 421 | 12 | 3.09 | 97.6 | 1200 | 13.31 | 0.0 |
| 0859 | 11.19 | 8.67 | 420 | 10 | 3.02 | 84.3 | 1800 | 13.33 | 0.0 |
| 0902 | 11.04 | 8.63 | 419 | 10 | 2.96 | 77.6 | 2400 | 13.36 | 0.0 |
| 0905 | 11.15 | 8.59 | 416 | 10 | 2.90 | 75.2 | 3000 | 13.38 | 0.0 |
| | | | | | | | | | |

| | |
|---|------------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000 mL |
| Sampling Time: 0907 | Sampling Date: 3-28-25 |
| Sample I.D.: MW-18 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: Seccol |
| Equipment Blank I.D.: @ <small>Time</small> | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|-------------------------------------|---|
| Project #: 250328- 1 KCI | Client: ERRC |
| Sampler: LJ | Gauging Date: 3-28-25 |
| Well I.D.: MW-19 | Well Diameter (in.): <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 |
| Total Well Depth (ft.): 19.85 | Depth to Water (ft.): 13.23 |
| Depth to Free Product: — | Thickness of Free Product (feet): — |
| Referenced to: PVS Grade | Flow Cell Type: Hana |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1118 Flow Rate: 200ml/min Pump Depth: 16.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | P10 |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 1121 | 13.76 | 7.51 | 167 | 49 | 2.15 | 83.8 | 600 | 13.32 | 0.0 |
| 1124 | 13.70 | 7.73 | 159 | 31 | 2.71 | 84.0 | 1200 | 13.32 | 0.0 |
| 1127 | 13.84 | 7.78 | 155 | 21 | 2.68 | 81.9 | 1800 | 13.32 | 0.0 |
| 1130 | 13.91 | 7.91 | 154 | 22 | 2.66 | 79.5 | 2400 | 13.32 | 0.0 |
| 1133 | 13.95 | 7.87 | 155 | 21 | 2.65 | 78.5 | 3000 | 13.22 | |
| | | | | | | | | | |

| | |
|---|-----------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: 3000mL |
| Sampling Time: 1134 | Sampling Date: 3-28-25 |
| Sample I.D.: MW-19 | Laboratory: PACE |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See Col |
| Equipment Blank I.D.: @ | Duplicate I.D.: |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|--|
| Project #: <u>2803 250328-KC1</u> | Client: <u>ERRG</u> |
| Sampler: <u>KC</u> | Gauging Date: <u>3/28/25</u> |
| Well I.D.: <u>MW-21</u> | Well Diameter (in.): <u>3</u> <u>4</u> 6 8 |
| Total Well Depth (ft.): <u>18.82</u> | Depth to Water (ft.): <u>14.17</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>VE</u> Grade | Flow Cell Type: <u>HANNA</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1121 Flow Rate: 200 ml/min Pump Depth: 16.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or ml) | Depth to Water (ft.) |
|------|---------------------|------|---------------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|
| 1124 | 13.09 | 5.63 | 737 | 36 | 0.51 | -7.5 | 600 | 14.63 |
| 1127 | 12.98 | 5.56 | 745 | 19 | 0.36 | -14.5 | 1200 | 14.70 |
| 1130 | 12.94 | 5.57 | 745 | 14 | 0.33 | -16.4 | 1800 | 14.72 |
| 1133 | 13.07 | 5.57 | 744 | 13 | 0.32 | -18.3 | 2400 | 14.77 |
| 1136 | 13.11 | 5.57 | 744 | 14 | 0.33 | -20.1 | 3000 | 14.82 |
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| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Amount actually evacuated: <u>3000ml</u> |
| Sampling Time: <u>1139</u> | Sampling Date: <u>3/28/25</u> |
| Sample I.D.: <u>MW-21</u> | Laboratory: <u>PACE</u> |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See COC</u> | |
| Equipment Blank I.D.: @ Time Duplicate I.D.: <u>—</u> | |

LOW FLOW WELL MONITORING DATA SHEET

| | |
|--------------------------------------|--|
| Project #: <u>250328-KU</u> | Client: <u>ERIG</u> |
| Sampler: <u>LJ</u> | Gauging Date: <u>3-28-25</u> |
| Well I.D.: <u>RW-1</u> | Well Diameter (in.): 2 3 <u>(4)</u> 6 8 |
| Total Well Depth (ft.): <u>20.02</u> | Depth to Water (ft.): <u>13.19</u> |
| Depth to Free Product: <u>—</u> | Thickness of Free Product (feet): <u>—</u> |
| Referenced to: <u>RVD</u> Grade | Flow Cell Type: <u>Manne</u> |

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0914 Flow Rate: 200ml/min Pump Depth: 16.5'

| Time | Temp. (°C or °F) | pH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) | PID |
|------|---------------------|------|------------------------------|---------------------|----------------|-------------|--------------------------------|-------------------------|-----|
| 0917 | 11.86 | 8.18 | 343 | 42 | 2.96 | 105.9 | 600 | 13.28 | 0.0 |
| 0920 | 11.89 | 8.14 | 343 | 37 | 2.94 | 106.4 | 1200 | 13.32 | 0.0 |
| 0923 | 12.01 | 8.09 | 343 | 24 | 2.91 | 106.6 | 1800 | 13.35 | 0.0 |
| 0926 | 12.11 | 8.02 | 344 | 21 | 2.91 | 106.7 | 2400 | 13.37 | 0.0 |
| 0929 | 12.05 | 7.99 | 344 | 20 | 2.91 | 106.9 | 3000 | 13.40 | 0.0 |
| 0932 | 12.16 | 7.95 | 343 | 20 | 2.89 | 107.1 | 3600 | 13.42 | 0.0 |
| | | | | | | | | | |

| | |
|---|---|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Amount actually evacuated: <u>3600 mL</u> |
| Sampling Time: <u>0933</u> | Sampling Date: <u>3-28-25</u> |
| Sample I.D.: <u>RW-1</u> | Laboratory: <u>PACE</u> |
| Analyzed for: <u>TPH-G BTEX MTBE TPH-D</u> | Other: <u>Seeco</u> |
| Equipment Blank I.D.: _____ @ _____ Time | Duplicate I.D.: _____ |

WELLHEAD INSPECTION FORM

Client: ERL Site: 2350328-KLI Date: 3/28/25
 Job #: 250328-KLI Technician: KC, LJ, DO Page 1 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | |
|---------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|---------------------------------------|---|--------------------------|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | | | Other (explain in notes) |
| MW-2 | ✓ | | | | | | | | | | | | | | |
| MW-4 | ✓ | | | | | | | | | | | | | | |
| MW-6 | ✓ | | | | | | | | | | | | | | |
| MW-7 | ✓ | | | | | | | | | | | | | | |
| MW-8 | ✓ | | | | | | | | | | | | | | |
| MW-9 | ✓ | | | | | | | | | | | | | | |
| MW-10 | ✓ | | | | | | | | | | | | | | |
| MW-11 | ✓ | | | | | | | | | | | | | | |
| MW-13 | ✓ | | | | | | | | | | | | | | |
| MW-14 | ✓ | | | | | | | | | | | | | | |
| MW-15 | ✓ | | | | | | | | | | | | | | |
| MW-16 | ✓ | | | | | | | | | | | | | | |
| MW-17 | ✓ | | | | | | | | | | | | | | |
| MW-18 | ✓ | | | | | | | | | | | | | | |
| MW-19 | ✓ | | | | | | | | | | | | | | |
| MW-20 | ✓ | | | | | | | | | | | | | | |
| MW-21 | ✓ | | | | | | | | | | | | | | |

NOTES: _____

WELLHEAD INSPECTION FORM

Client: ERRG Site: 2350 24th Ave E, Seattle Date: 3/28/25
 Job #: 250328 - KC1 Technician: KC, LJ, DO Page 2 of 2

| Well ID | Well Inspected - No Corrective Action Required | Check indicates deficiency | | | | | | | | | | Well Not Inspected (explain in notes) | Notes <small>(list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)</small> | | |
|---------|--|----------------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|---------------------------------------|---|-------------|--------------------------|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | | | Below Grade | Other (explain in notes) |
| RW-1 | ✓ | | | | | | | | | | | | | | |
| RW-2 | ✓ | | | | | | | | | | | | | | |
| RW-3 | ✓ | | | | | | | | | | | | | | |
| RW-4 | ✓ | | | | | | | | | | | | | | |
| RW-5 | ✓ | | | | | | | | | | | | | | |
| RW-6 | ✓ | | | | | | | | | | | | | | |
| RW-7 | ✓ | | | | | | | | | | | | | | |
| RW-8 | ✓ | | | | | | | | | | | | | | |
| RW-9 | ✓ | | | | | | | | | | | | | | |
| RW-10 | ✓ | | | | | | | | | | | | | | |
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NOTES: _____

Appendix B. Laboratory Reports During Reporting Period

Engineering/Remediation Resources Group

Sample Delivery Group: L1818502
Samples Received: 01/18/2025
Project Number:
Description: System Vapor

Report To: Fernando Idiarte
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| Sr: Sample Results | 5 | ³Ss |
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| FALCO-300-EFF-20250117 L1818502-02 | 7 | ⁴Cn |
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| Volatile Organic Compounds (MS) by Method TO-15 | 9 | |
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| Al: Accreditations & Locations | 15 | ⁷Gl |
| Sc: Sample Chain of Custody | 16 | ⁸Al |
| | | ⁹Sc |

SAMPLE SUMMARY

FALCO-300-INF-20250117 L1818502-01 Air

Collected by: Fernando Ildiarte
 Collected date/time: 01/17/25 08:15
 Received date/time: 01/18/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2435947 | 1 | 01/19/25 12:02 | 01/19/25 12:02 | DAH | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2437137 | 20 | 01/21/25 23:33 | 01/21/25 23:33 | DBB | Mt. Juliet, TN |

FALCO-300-EFF-20250117 L1818502-02 Air

Collected by: Fernando Ildiarte
 Collected date/time: 01/17/25 08:25
 Received date/time: 01/18/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2435947 | 1 | 01/19/25 12:30 | 01/19/25 12:30 | DAH | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2437137 | 1 | 01/21/25 16:17 | 01/21/25 16:17 | DBB | Mt. Juliet, TN |

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Result ug/m3 | Qualifier | DL ug/m3 | LOD ug/m3 | LOQ ug/m3 | Dilution | Analysis date / time | Batch |
|--------------------------------|------------|-----------------|-----------|-------------|--------------|--------------|----------|-------------------------|-----------|
| Acetone | 67-64-1 | 1.50 | UU | 1.24 | 1.50 | 2.97 | 1 | 01/19/2025 12:02 | WG2435947 |
| Allyl Chloride | 107-05-1 | 0.595 | UU | 0.582 | 0.595 | 0.626 | 1 | 01/19/2025 12:02 | WG2435947 |
| Benzene | 71-43-2 | 399 | UU | 7.03 | 12.1 | 12.8 | 20 | 01/21/2025 23:33 | WG2437137 |
| Benzyl Chloride | 100-44-7 | 0.987 | UU | 0.461 | 0.987 | 1.04 | 1 | 01/19/2025 12:02 | WG2435947 |
| Bromodichloromethane | 75-27-4 | 1.27 | UU | 0.466 | 1.27 | 1.34 | 1 | 01/19/2025 12:02 | WG2435947 |
| Bromoform | 75-25-2 | 3.21 | UU | 0.781 | 3.21 | 6.52 | 1 | 01/19/2025 12:02 | WG2435947 |
| Bromomethane | 74-83-9 | 0.737 | UU | 0.364 | 0.737 | 0.776 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,3-Butadiene | 106-99-0 | 1.39 | UU | 0.350 | 1.39 | 4.43 | 1 | 01/19/2025 12:02 | WG2435947 |
| Carbon disulfide | 75-15-0 | 0.591 | UU | 0.498 | 0.591 | 1.24 | 1 | 01/19/2025 12:02 | WG2435947 |
| Carbon tetrachloride | 56-23-5 | 1.20 | UU | 0.470 | 1.20 | 1.26 | 1 | 01/19/2025 12:02 | WG2435947 |
| Chlorobenzene | 108-90-7 | 0.878 | UU | 0.545 | 0.878 | 0.924 | 1 | 01/19/2025 12:02 | WG2435947 |
| Chloroethane | 75-00-3 | 0.501 | UU | 0.290 | 0.501 | 0.528 | 1 | 01/19/2025 12:02 | WG2435947 |
| Chloroform | 67-66-3 | 0.925 | UU | 0.506 | 0.925 | 0.973 | 1 | 01/19/2025 12:02 | WG2435947 |
| Chloromethane | 74-87-3 | 0.392 | UU | 0.227 | 0.392 | 0.413 | 1 | 01/19/2025 12:02 | WG2435947 |
| 2-Chlorotoluene | 95-49-8 | 0.979 | UU | 0.406 | 0.979 | 1.03 | 1 | 01/19/2025 12:02 | WG2435947 |
| Cyclohexane | 110-82-7 | 1660 | UU | 11.7 | 13.1 | 13.8 | 20 | 01/21/2025 23:33 | WG2437137 |
| Dibromochloromethane | 124-48-1 | 1.62 | UU | 0.592 | 1.62 | 1.70 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2-Dibromoethane | 106-93-4 | 1.46 | UU | 0.531 | 1.46 | 1.54 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2-Dichlorobenzene | 95-50-1 | 1.14 | UU | 0.441 | 1.14 | 1.20 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,3-Dichlorobenzene | 541-73-1 | 1.14 | UU | 0.453 | 1.14 | 1.20 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,4-Dichlorobenzene | 106-46-7 | 1.14 | UU | 0.462 | 1.14 | 1.20 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2-Dichloroethane | 107-06-2 | 0.769 | UU | 0.296 | 0.769 | 0.810 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,1-Dichloroethane | 75-34-3 | 0.762 | UU | 0.285 | 0.762 | 0.802 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,1-Dichloroethene | 75-35-4 | 0.753 | UU | 0.296 | 0.753 | 0.793 | 1 | 01/19/2025 12:02 | WG2435947 |
| cis-1,2-Dichloroethene | 156-59-2 | 22.6 | UU | 0.315 | 0.753 | 0.793 | 1 | 01/19/2025 12:02 | WG2435947 |
| trans-1,2-Dichloroethene | 156-60-5 | 0.753 | UU | 0.291 | 0.753 | 0.793 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2-Dichloropropane | 78-87-5 | 0.878 | UU | 0.348 | 0.878 | 0.924 | 1 | 01/19/2025 12:02 | WG2435947 |
| cis-1,3-Dichloropropene | 10061-01-5 | 0.863 | UU | 0.337 | 0.863 | 0.908 | 1 | 01/19/2025 12:02 | WG2435947 |
| trans-1,3-Dichloropropene | 10061-02-6 | 0.863 | UU | 0.361 | 0.863 | 0.908 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,4-Dioxane | 123-91-1 | 1.12 | UU | 0.591 | 1.12 | 2.27 | 1 | 01/19/2025 12:02 | WG2435947 |
| Ethanol | 64-17-5 | 4.53 | UU | 4.47 | 4.53 | 4.71 | 1 | 01/19/2025 12:02 | WG2435947 |
| Ethylbenzene | 100-41-4 | 1040 | UU | 6.76 | 16.5 | 17.3 | 20 | 01/21/2025 23:33 | WG2437137 |
| 4-Ethyltoluene | 622-96-8 | 1130 | UU | 8.69 | 18.7 | 19.6 | 20 | 01/21/2025 23:33 | WG2437137 |
| Trichlorofluoromethane | 75-69-4 | 1.07 | UU | 0.433 | 1.07 | 1.12 | 1 | 01/19/2025 12:02 | WG2435947 |
| Dichlorodifluoromethane | 75-71-8 | 6.28 | UU | 0.399 | 0.940 | 0.989 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 1.46 | UU | 0.576 | 1.46 | 1.53 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 1.33 | UU | 0.529 | 1.33 | 1.40 | 1 | 01/19/2025 12:02 | WG2435947 |
| Heptane | 142-82-5 | 4250 | UU | 9.33 | 15.5 | 16.4 | 20 | 01/21/2025 23:33 | WG2437137 |
| Hexachloro-1,3-butadiene | 87-68-3 | 3.31 | UU | 0.854 | 3.31 | 6.73 | 1 | 01/19/2025 12:02 | WG2435947 |
| n-Hexane | 110-54-3 | 2560 | UU | 10.1 | 21.9 | 44.4 | 20 | 01/21/2025 23:33 | WG2437137 |
| Isopropylbenzene | 98-82-8 | 190 | UU | 0.355 | 0.934 | 0.983 | 1 | 01/19/2025 12:02 | WG2435947 |
| Methylene Chloride | 75-09-2 | 0.660 | UU | 0.587 | 0.660 | 0.694 | 1 | 01/19/2025 12:02 | WG2435947 |
| Methyl Butyl Ketone | 591-78-6 | 2.58 | UU | 0.544 | 2.58 | 5.11 | 1 | 01/19/2025 12:02 | WG2435947 |
| 2-Butanone (MEK) | 78-93-3 | 7.22 | UU | 0.342 | 1.86 | 3.69 | 1 | 01/19/2025 12:02 | WG2435947 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 2.58 | UU | 0.434 | 2.58 | 5.12 | 1 | 01/19/2025 12:02 | WG2435947 |
| Methyl Methacrylate | 80-62-6 | 0.778 | UU | 0.692 | 0.778 | 0.819 | 1 | 01/19/2025 12:02 | WG2435947 |
| MTBE | 1634-04-4 | 0.685 | UU | 0.293 | 0.685 | 0.721 | 1 | 01/19/2025 12:02 | WG2435947 |
| Naphthalene | 91-20-3 | 155 | UU | 3.23 | 3.25 | 3.30 | 1 | 01/19/2025 12:02 | WG2435947 |
| 2-Propanol | 67-63-0 | 77.7 | UU | 1.67 | 2.46 | 3.07 | 1 | 01/19/2025 12:02 | WG2435947 |
| Propene | 115-07-1 | 1.08 | UU | 0.368 | 1.08 | 2.15 | 1 | 01/19/2025 12:02 | WG2435947 |
| Styrene | 100-42-5 | 0.808 | UU | 0.341 | 0.808 | 1.70 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 1.31 | UU | 0.478 | 1.31 | 1.37 | 1 | 01/19/2025 12:02 | WG2435947 |
| Tetrachloroethylene | 127-18-4 | 1.29 | UU | 0.754 | 1.29 | 1.36 | 1 | 01/19/2025 12:02 | WG2435947 |
| Tetrahydrofuran | 109-99-9 | 0.560 | UU | 0.484 | 0.560 | 0.590 | 1 | 01/19/2025 12:02 | WG2435947 |
| Toluene | 108-88-3 | 618 | UU | 9.79 | 23.4 | 37.7 | 20 | 01/21/2025 23:33 | WG2437137 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 3.70 | UU | 3.42 | 3.70 | 4.66 | 1 | 01/19/2025 12:02 | WG2435947 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Result ug/m3 | Qualifier | DL ug/m3 | LOD ug/m3 | LOQ ug/m3 | Dilution | Analysis date / time | Batch |
|--|-------------|-----------------|-----------|-------------|--------------|--------------|----------|-------------------------|-----------|
| 1,1,1-Trichloroethane | 71-55-6 | 1.03 | U | 0.391 | 1.03 | 1.09 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,1,2-Trichloroethane | 79-00-5 | 1.03 | U | 0.372 | 1.03 | 1.09 | 1 | 01/19/2025 12:02 | WG2435947 |
| Trichloroethylene | 79-01-6 | 1.02 | U | 0.364 | 1.02 | 1.07 | 1 | 01/19/2025 12:02 | WG2435947 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 3390 | | 9.08 | 18.7 | 19.6 | 20 | 01/21/2025 23:33 | WG2437137 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 1400 | | 8.39 | 18.7 | 19.6 | 20 | 01/21/2025 23:33 | WG2437137 |
| 2,2,4-Trimethylpentane | 540-84-1 | 4860 | | 8.41 | 17.8 | 18.7 | 20 | 01/21/2025 23:33 | WG2437137 |
| Vinyl chloride | 75-01-4 | 1.33 | | 0.211 | 0.486 | 0.511 | 1 | 01/19/2025 12:02 | WG2435947 |
| Vinyl Bromide | 593-60-2 | 0.831 | U | 0.328 | 0.831 | 0.875 | 1 | 01/19/2025 12:02 | WG2435947 |
| Vinyl acetate | 108-05-4 | 1.09 | U | 0.341 | 1.09 | 2.22 | 1 | 01/19/2025 12:02 | WG2435947 |
| m&p-Xylene | 179601-23-1 | 6590 | | 15.1 | 26.9 | 34.7 | 20 | 01/21/2025 23:33 | WG2437137 |
| o-Xylene | 95-47-6 | 2150 | | 7.67 | 16.5 | 17.3 | 20 | 01/21/2025 23:33 | WG2437137 |
| Xylenes, Total | 1330-20-7 | 8770 | | 7.69 | 16.5 | 52.1 | 20 | 01/21/2025 23:33 | WG2437137 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 107000 | | 5660 | 15.7 | 16500 | 20 | 01/21/2025 23:33 | WG2437137 |
| ^(S) 1,4-Bromofluorobenzene | 460-00-4 | 345 | J1 | | | | 60.0-140 | 01/19/2025 12:02 | WG2435947 |
| ^(S) 1,4-Bromofluorobenzene | 460-00-4 | 105 | | | | | 60.0-140 | 01/21/2025 23:33 | WG2437137 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1818502-01 WG2435947: Surrogate failure due to matrix interference

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Result ug/m3 | Qualifier | DL ug/m3 | LOD ug/m3 | LOQ ug/m3 | Dilution | Analysis date / time | Batch |
|--------------------------------|------------|-----------------|-----------|-------------|--------------|--------------|----------|-------------------------|-----------|
| Acetone | 67-64-1 | 1.50 | UU | 1.24 | 1.50 | 2.97 | 1 | 01/19/2025 12:30 | WG2435947 |
| Allyl Chloride | 107-05-1 | 0.595 | UU | 0.582 | 0.595 | 0.626 | 1 | 01/19/2025 12:30 | WG2435947 |
| Benzene | 71-43-2 | 9.14 | UU | 0.351 | 0.607 | 0.639 | 1 | 01/19/2025 12:30 | WG2435947 |
| Benzyl Chloride | 100-44-7 | 0.987 | UU | 0.461 | 0.987 | 1.04 | 1 | 01/19/2025 12:30 | WG2435947 |
| Bromodichloromethane | 75-27-4 | 1.27 | UU | 0.466 | 1.27 | 1.34 | 1 | 01/19/2025 12:30 | WG2435947 |
| Bromoform | 75-25-2 | 3.21 | UU | 0.781 | 3.21 | 6.52 | 1 | 01/19/2025 12:30 | WG2435947 |
| Bromomethane | 74-83-9 | 0.737 | UU | 0.364 | 0.737 | 0.776 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,3-Butadiene | 106-99-0 | 1.39 | UU | 0.350 | 1.39 | 4.43 | 1 | 01/19/2025 12:30 | WG2435947 |
| Carbon disulfide | 75-15-0 | 0.591 | UU | 0.498 | 0.591 | 1.24 | 1 | 01/19/2025 12:30 | WG2435947 |
| Carbon tetrachloride | 56-23-5 | 1.20 | UU | 0.470 | 1.20 | 1.26 | 1 | 01/19/2025 12:30 | WG2435947 |
| Chlorobenzene | 108-90-7 | 8.18 | UU | 0.545 | 0.878 | 0.924 | 1 | 01/19/2025 12:30 | WG2435947 |
| Chloroethane | 75-00-3 | 0.427 | UJ | 0.290 | 0.501 | 0.528 | 1 | 01/19/2025 12:30 | WG2435947 |
| Chloroform | 67-66-3 | 0.925 | UU | 0.506 | 0.925 | 0.973 | 1 | 01/19/2025 12:30 | WG2435947 |
| Chloromethane | 74-87-3 | 10.1 | UU | 0.227 | 0.392 | 0.413 | 1 | 01/19/2025 12:30 | WG2435947 |
| 2-Chlorotoluene | 95-49-8 | 0.979 | UU | 0.406 | 0.979 | 1.03 | 1 | 01/19/2025 12:30 | WG2435947 |
| Cyclohexane | 110-82-7 | 33.2 | UU | 0.585 | 0.654 | 0.689 | 1 | 01/21/2025 16:17 | WG2437137 |
| Dibromochloromethane | 124-48-1 | 1.62 | UU | 0.592 | 1.62 | 1.70 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2-Dibromoethane | 106-93-4 | 1.46 | UU | 0.531 | 1.46 | 1.54 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2-Dichlorobenzene | 95-50-1 | 2.23 | UU | 0.441 | 1.14 | 1.20 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,3-Dichlorobenzene | 541-73-1 | 1.14 | UU | 0.453 | 1.14 | 1.20 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,4-Dichlorobenzene | 106-46-7 | 1.61 | UU | 0.462 | 1.14 | 1.20 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2-Dichloroethane | 107-06-2 | 0.769 | UU | 0.296 | 0.769 | 0.810 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,1-Dichloroethane | 75-34-3 | 0.762 | UU | 0.285 | 0.762 | 0.802 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,1-Dichloroethene | 75-35-4 | 0.753 | UU | 0.296 | 0.753 | 0.793 | 1 | 01/19/2025 12:30 | WG2435947 |
| cis-1,2-Dichloroethene | 156-59-2 | 0.753 | UU | 0.315 | 0.753 | 0.793 | 1 | 01/19/2025 12:30 | WG2435947 |
| trans-1,2-Dichloroethene | 156-60-5 | 0.753 | UU | 0.291 | 0.753 | 0.793 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2-Dichloropropane | 78-87-5 | 0.878 | UU | 0.348 | 0.878 | 0.924 | 1 | 01/19/2025 12:30 | WG2435947 |
| cis-1,3-Dichloropropene | 10061-01-5 | 0.863 | UU | 0.337 | 0.863 | 0.908 | 1 | 01/19/2025 12:30 | WG2435947 |
| trans-1,3-Dichloropropene | 10061-02-6 | 0.863 | UU | 0.361 | 0.863 | 0.908 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,4-Dioxane | 123-91-1 | 1.12 | UU | 0.591 | 1.12 | 2.27 | 1 | 01/19/2025 12:30 | WG2435947 |
| Ethanol | 64-17-5 | 4.53 | UU | 4.47 | 4.53 | 4.71 | 1 | 01/19/2025 12:30 | WG2435947 |
| Ethylbenzene | 100-41-4 | 0.542 | UJ | 0.337 | 0.824 | 0.867 | 1 | 01/19/2025 12:30 | WG2435947 |
| 4-Ethyltoluene | 622-96-8 | 1.22 | UU | 0.435 | 0.933 | 0.982 | 1 | 01/19/2025 12:30 | WG2435947 |
| Trichlorofluoromethane | 75-69-4 | 1.07 | UU | 0.433 | 1.07 | 1.12 | 1 | 01/19/2025 12:30 | WG2435947 |
| Dichlorodifluoromethane | 75-71-8 | 1.05 | UU | 0.399 | 0.940 | 0.989 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 1.46 | UU | 0.576 | 1.46 | 1.53 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 1.33 | UU | 0.529 | 1.33 | 1.40 | 1 | 01/19/2025 12:30 | WG2435947 |
| Heptane | 142-82-5 | 67.1 | UU | 0.466 | 0.777 | 0.818 | 1 | 01/21/2025 16:17 | WG2437137 |
| Hexachloro-1,3-butadiene | 87-68-3 | 3.31 | UU | 0.854 | 3.31 | 6.73 | 1 | 01/19/2025 12:30 | WG2435947 |
| n-Hexane | 110-54-3 | 146 | UU | 0.504 | 1.09 | 2.22 | 1 | 01/21/2025 16:17 | WG2437137 |
| Isopropylbenzene | 98-82-8 | 0.934 | UU | 0.355 | 0.934 | 0.983 | 1 | 01/19/2025 12:30 | WG2435947 |
| Methylene Chloride | 75-09-2 | 3.58 | UU | 0.587 | 0.660 | 0.694 | 1 | 01/19/2025 12:30 | WG2435947 |
| Methyl Butyl Ketone | 591-78-6 | 2.58 | UU | 0.544 | 2.58 | 5.11 | 1 | 01/19/2025 12:30 | WG2435947 |
| 2-Butanone (MEK) | 78-93-3 | 1.86 | UU | 0.342 | 1.86 | 3.69 | 1 | 01/19/2025 12:30 | WG2435947 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 2.58 | UU | 0.434 | 2.58 | 5.12 | 1 | 01/19/2025 12:30 | WG2435947 |
| Methyl Methacrylate | 80-62-6 | 0.778 | UU | 0.692 | 0.778 | 0.819 | 1 | 01/19/2025 12:30 | WG2435947 |
| MTBE | 1634-04-4 | 0.685 | UU | 0.293 | 0.685 | 0.721 | 1 | 01/19/2025 12:30 | WG2435947 |
| Naphthalene | 91-20-3 | 3.25 | UU | 3.23 | 3.25 | 3.30 | 1 | 01/19/2025 12:30 | WG2435947 |
| 2-Propanol | 67-63-0 | 2.46 | UU | 1.67 | 2.46 | 3.07 | 1 | 01/19/2025 12:30 | WG2435947 |
| Propene | 115-07-1 | 1.08 | UU | 0.368 | 1.08 | 2.15 | 1 | 01/19/2025 12:30 | WG2435947 |
| Styrene | 100-42-5 | 0.808 | UU | 0.341 | 0.808 | 1.70 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 1.31 | UU | 0.478 | 1.31 | 1.37 | 1 | 01/19/2025 12:30 | WG2435947 |
| Tetrachloroethylene | 127-18-4 | 66.2 | UU | 0.754 | 1.29 | 1.36 | 1 | 01/19/2025 12:30 | WG2435947 |
| Tetrahydrofuran | 109-99-9 | 0.560 | UU | 0.484 | 0.560 | 0.590 | 1 | 01/19/2025 12:30 | WG2435947 |
| Toluene | 108-88-3 | 1.17 | UU | 0.490 | 1.17 | 1.88 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 3.70 | UU | 3.42 | 3.70 | 4.66 | 1 | 01/19/2025 12:30 | WG2435947 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Result ug/m3 | Qualifier | DL ug/m3 | LOD ug/m3 | LOQ ug/m3 | Dilution | Analysis date / time | Batch |
|--|-------------|-----------------|-----------|-------------|--------------|--------------|----------|-------------------------|-----------|
| 1,1,1-Trichloroethane | 71-55-6 | 1.03 | U | 0.391 | 1.03 | 1.09 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,1,2-Trichloroethane | 79-00-5 | 1.03 | U | 0.372 | 1.03 | 1.09 | 1 | 01/19/2025 12:30 | WG2435947 |
| Trichloroethylene | 79-01-6 | 1.02 | U | 0.364 | 1.02 | 1.07 | 1 | 01/19/2025 12:30 | WG2435947 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.933 | U | 0.455 | 0.933 | 0.982 | 1 | 01/21/2025 16:17 | WG2437137 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 1.71 | | 0.419 | 0.933 | 0.982 | 1 | 01/19/2025 12:30 | WG2435947 |
| 2,2,4-Trimethylpentane | 540-84-1 | 218 | | 0.420 | 0.888 | 0.934 | 1 | 01/19/2025 12:30 | WG2435947 |
| Vinyl chloride | 75-01-4 | 0.486 | U | 0.211 | 0.486 | 0.511 | 1 | 01/19/2025 12:30 | WG2435947 |
| Vinyl Bromide | 593-60-2 | 0.831 | U | 0.328 | 0.831 | 0.875 | 1 | 01/19/2025 12:30 | WG2435947 |
| Vinyl acetate | 108-05-4 | 1.09 | U | 0.341 | 1.09 | 2.22 | 1 | 01/19/2025 12:30 | WG2435947 |
| m&p-Xylene | 179601-23-1 | 0.806 | J | 0.754 | 1.34 | 1.73 | 1 | 01/21/2025 16:17 | WG2437137 |
| o-Xylene | 95-47-6 | 0.824 | U | 0.385 | 0.824 | 0.867 | 1 | 01/21/2025 16:17 | WG2437137 |
| Xylenes, Total | 1330-20-7 | 0.808 | J | 0.385 | 0.825 | 2.61 | 1 | 01/21/2025 16:17 | WG2437137 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 1020 | | 282 | 0.785 | 826 | 1 | 01/21/2025 16:17 | WG2437137 |
| ^(S) 1,4-Bromofluorobenzene | 460-00-4 | 94.7 | | | | | 60.0-140 | 01/19/2025 12:30 | WG2435947 |
| ^(S) 1,4-Bromofluorobenzene | 460-00-4 | 97.3 | | | | | 60.0-140 | 01/21/2025 16:17 | WG2437137 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4168842-3 01/19/25 10:00

| Analyte | MB Result ug/m3 | MB Qualifier | MB MDL ug/m3 | MB LOD ug/m3 | MB RDL ug/m3 |
|--------------------------------|--------------------|--------------|-----------------|-----------------|-----------------|
| Acetone | 1.50 | IC | 1.24 | 1.50 | 2.97 |
| Allyl Chloride | 0.595 | IC | 0.582 | 0.595 | 0.626 |
| Benzene | 0.607 | IC | 0.351 | 0.607 | 0.639 |
| Benzyl Chloride | 0.987 | IC | 0.461 | 0.987 | 1.04 |
| Bromodichloromethane | 1.27 | IC | 0.466 | 1.27 | 1.34 |
| Bromoform | 3.21 | IC | 0.781 | 3.21 | 6.52 |
| Bromomethane | 0.737 | IC | 0.364 | 0.737 | 0.776 |
| 1,3-Butadiene | 1.39 | IC | 0.350 | 1.39 | 4.43 |
| Carbon disulfide | 0.591 | IC | 0.498 | 0.591 | 1.24 |
| Carbon tetrachloride | 1.20 | IC | 0.470 | 1.20 | 1.26 |
| Chlorobenzene | 0.878 | IC | 0.545 | 0.878 | 0.924 |
| Chloroethane | 0.501 | IC | 0.290 | 0.501 | 0.528 |
| Chloroform | 0.925 | IC | 0.506 | 0.925 | 0.973 |
| Chloromethane | 0.392 | IC | 0.227 | 0.392 | 0.413 |
| 2-Chlorotoluene | 0.979 | IC | 0.406 | 0.979 | 1.03 |
| Dibromochloromethane | 1.62 | IC | 0.592 | 1.62 | 1.70 |
| 1,2-Dibromoethane | 1.46 | IC | 0.531 | 1.46 | 1.54 |
| 1,2-Dichlorobenzene | 1.14 | IC | 0.441 | 1.14 | 1.20 |
| 1,3-Dichlorobenzene | 1.14 | IC | 0.453 | 1.14 | 1.20 |
| 1,4-Dichlorobenzene | 1.14 | IC | 0.462 | 1.14 | 1.20 |
| 1,2-Dichloroethane | 0.769 | IC | 0.296 | 0.769 | 0.810 |
| 1,1-Dichloroethane | 0.762 | IC | 0.285 | 0.762 | 0.802 |
| 1,1-Dichloroethene | 0.753 | IC | 0.296 | 0.753 | 0.793 |
| cis-1,2-Dichloroethene | 0.753 | IC | 0.315 | 0.753 | 0.793 |
| trans-1,2-Dichloroethene | 0.753 | IC | 0.291 | 0.753 | 0.793 |
| 1,2-Dichloropropane | 0.878 | IC | 0.348 | 0.878 | 0.924 |
| cis-1,3-Dichloropropene | 0.863 | IC | 0.337 | 0.863 | 0.908 |
| trans-1,3-Dichloropropene | 0.863 | IC | 0.361 | 0.863 | 0.908 |
| 1,4-Dioxane | 1.12 | IC | 0.591 | 1.12 | 2.27 |
| Ethanol | 4.53 | IC | 4.47 | 4.53 | 4.71 |
| Ethylbenzene | 0.824 | IC | 0.337 | 0.824 | 0.867 |
| 4-Ethyltoluene | 0.933 | IC | 0.435 | 0.933 | 0.982 |
| Trichlorofluoromethane | 1.07 | IC | 0.433 | 1.07 | 1.12 |
| Dichlorodifluoromethane | 0.940 | IC | 0.399 | 0.940 | 0.989 |
| 1,1,2-Trichlorotrifluoroethane | 1.46 | IC | 0.576 | 1.46 | 1.53 |
| 1,2-Dichlorotetrafluoroethane | 1.33 | IC | 0.529 | 1.33 | 1.40 |
| Hexachloro-1,3-butadiene | 3.31 | IC | 0.854 | 3.31 | 6.73 |
| Isopropylbenzene | 0.934 | IC | 0.355 | 0.934 | 0.983 |
| Methylene Chloride | 0.660 | IC | 0.587 | 0.660 | 0.694 |
| Methyl Butyl Ketone | 2.58 | IC | 0.544 | 2.58 | 5.11 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4168842-3 01/19/25 10:00

| Analyte | MB Result ug/m3 | MB Qualifier | MB MDL ug/m3 | MB LOD ug/m3 | MB RDL ug/m3 |
|-----------------------------|--------------------|--------------|-----------------|-----------------|-----------------|
| 2-Butanone (MEK) | 1.86 | IC | 0.342 | 1.86 | 3.69 |
| 4-Methyl-2-pentanone (MIBK) | 2.58 | IC | 0.434 | 2.58 | 5.12 |
| Methyl Methacrylate | 0.778 | IC | 0.692 | 0.778 | 0.819 |
| MTBE | 0.685 | IC | 0.293 | 0.685 | 0.721 |
| Naphthalene | 3.25 | IC | 3.23 | 3.25 | 3.30 |
| 2-Propanol | 2.46 | IC | 1.67 | 2.46 | 3.07 |
| Propene | 1.08 | IC | 0.368 | 1.08 | 2.15 |
| Styrene | 0.808 | IC | 0.341 | 0.808 | 1.70 |
| 1,1,2,2-Tetrachloroethane | 1.31 | IC | 0.478 | 1.31 | 1.37 |
| Tetrachloroethylene | 1.29 | IC | 0.754 | 1.29 | 1.36 |
| Tetrahydrofuran | 0.560 | IC | 0.484 | 0.560 | 0.590 |
| Toluene | 1.17 | IC | 0.490 | 1.17 | 1.88 |
| 1,2,4-Trichlorobenzene | 3.70 | IC | 3.42 | 3.70 | 4.66 |
| 1,1,1-Trichloroethane | 1.03 | IC | 0.391 | 1.03 | 1.09 |
| 1,1,2-Trichloroethane | 1.03 | IC | 0.372 | 1.03 | 1.09 |
| Trichloroethylene | 1.02 | IC | 0.364 | 1.02 | 1.07 |
| 1,3,5-Trimethylbenzene | 0.933 | IC | 0.419 | 0.933 | 0.982 |
| 2,2,4-Trimethylpentane | 0.888 | IC | 0.420 | 0.888 | 0.934 |
| Vinyl chloride | 0.486 | IC | 0.211 | 0.486 | 0.511 |
| Vinyl Bromide | 0.831 | IC | 0.328 | 0.831 | 0.875 |
| Vinyl acetate | 1.09 | IC | 0.341 | 1.09 | 2.22 |
| (S) 1,4-Bromofluorobenzene | 93.1 | | | | 60.0-140 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4168842-1 01/19/25 09:04 • (LCSD) R4168842-2 01/19/25 09:33

| Analyte | Spike Amount ug/m3 | LCS Result ug/m3 | LCSD Result ug/m3 | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 8.91 | 8.27 | 7.91 | 92.8 | 88.8 | 58.0-128 | | | 4.41 | 20 |
| Allyl Chloride | 11.7 | 12.3 | 12.0 | 105 | 102 | 71.0-131 | | | 2.84 | 20 |
| Benzene | 12.0 | 11.3 | 11.1 | 94.7 | 93.1 | 69.0-119 | | | 1.70 | 20 |
| Benzyl Chloride | 19.5 | 18.2 | 18.0 | 93.3 | 92.3 | 50.0-147 | | | 1.15 | 20 |
| Bromodichloromethane | 25.2 | 25.8 | 24.7 | 103 | 98.1 | 72.0-128 | | | 4.52 | 20 |
| Bromoform | 38.8 | 32.6 | 32.2 | 84.0 | 82.9 | 66.0-139 | | | 1.28 | 20 |
| Bromomethane | 14.6 | 14.4 | 13.9 | 99.2 | 95.7 | 63.0-134 | | | 3.56 | 20 |
| 1,3-Butadiene | 8.30 | 7.83 | 7.94 | 94.4 | 95.7 | 66.0-134 | | | 1.40 | 20 |
| Carbon disulfide | 23.3 | 23.1 | 22.6 | 99.1 | 96.9 | 57.0-134 | | | 2.18 | 20 |
| Carbon tetrachloride | 23.6 | 24.4 | 23.2 | 103 | 98.1 | 68.0-132 | | | 5.03 | 20 |
| Chlorobenzene | 17.3 | 18.2 | 18.0 | 105 | 104 | 70.0-119 | | | 1.28 | 20 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4168842-1 01/19/25 09:04 • (LCSD) R4168842-2 01/19/25 09:33

| Analyte | Spike Amount ug/m3 | LCS Result ug/m3 | LCSD Result ug/m3 | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloroethane | 9.89 | 9.60 | 9.55 | 97.1 | 96.5 | 63.0-127 | | | 0.551 | 20 |
| Chloroform | 18.3 | 18.7 | 18.2 | 103 | 99.5 | 68.0-123 | | | 3.17 | 20 |
| Chloromethane | 7.75 | 7.27 | 7.19 | 93.9 | 92.8 | 59.0-132 | | | 1.14 | 20 |
| 2-Chlorotoluene | 19.3 | 19.3 | 18.8 | 100 | 97.1 | 74.0-130 | | | 2.98 | 20 |
| Dibromochloromethane | 31.9 | 32.9 | 31.4 | 103 | 98.4 | 70.0-130 | | | 4.76 | 20 |
| 1,2-Dibromoethane | 28.8 | 30.5 | 29.8 | 106 | 103 | 74.0-122 | | | 2.55 | 20 |
| 1,2-Dichlorobenzene | 22.5 | 24.1 | 23.7 | 107 | 105 | 63.0-129 | | | 1.51 | 20 |
| 1,3-Dichlorobenzene | 22.5 | 24.4 | 23.8 | 108 | 106 | 65.0-130 | | | 2.49 | 20 |
| 1,4-Dichlorobenzene | 22.5 | 23.7 | 23.5 | 105 | 104 | 60.0-131 | | | 1.02 | 20 |
| 1,2-Dichloroethane | 15.2 | 16.4 | 15.9 | 108 | 105 | 65.0-128 | | | 3.26 | 20 |
| 1,1-Dichloroethane | 15.0 | 15.1 | 14.8 | 101 | 98.1 | 68.0-126 | | | 2.42 | 20 |
| 1,1-Dichloroethene | 14.9 | 14.9 | 14.5 | 100 | 97.3 | 61.0-133 | | | 2.97 | 20 |
| cis-1,2-Dichloroethene | 14.9 | 14.6 | 14.5 | 98.4 | 97.3 | 70.0-121 | | | 1.09 | 20 |
| trans-1,2-Dichloroethene | 14.9 | 14.9 | 14.4 | 100 | 97.1 | 67.0-124 | | | 3.24 | 20 |
| 1,2-Dichloropropane | 17.3 | 18.5 | 17.6 | 107 | 102 | 69.0-123 | | | 5.12 | 20 |
| cis-1,3-Dichloropropene | 17.0 | 16.8 | 17.4 | 98.9 | 102 | 70.0-128 | | | 3.18 | 20 |
| trans-1,3-Dichloropropene | 17.0 | 17.1 | 16.7 | 100 | 97.9 | 75.0-133 | | | 2.42 | 20 |
| 1,4-Dioxane | 13.5 | 14.5 | 13.7 | 107 | 101 | 71.0-122 | | | 5.87 | 20 |
| Ethanol | 7.07 | 6.20 | 6.09 | 87.7 | 86.1 | 59.0-125 | | | 1.84 | 20 |
| Ethylbenzene | 16.3 | 15.9 | 15.7 | 97.9 | 96.8 | 70.0-124 | | | 1.10 | 20 |
| 4-Ethyltoluene | 18.4 | 19.8 | 19.4 | 107 | 106 | 67.0-129 | | | 1.75 | 20 |
| Trichlorofluoromethane | 21.1 | 21.6 | 20.9 | 103 | 99.2 | 62.0-126 | | | 3.43 | 20 |
| Dichlorodifluoromethane | 18.5 | 18.9 | 18.3 | 102 | 98.9 | 59.0-128 | | | 3.18 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 28.7 | 28.4 | 27.7 | 98.7 | 96.5 | 66.0-126 | | | 2.19 | 20 |
| 1,2-Dichlorotetrafluoroethane | 26.2 | 26.4 | 25.5 | 101 | 97.1 | 63.0-121 | | | 3.51 | 20 |
| Hexachloro-1,3-butadiene | 40.0 | 41.7 | 40.8 | 104 | 102 | 56.0-138 | | | 2.33 | 20 |
| Isopropylbenzene | 18.4 | 18.8 | 18.4 | 102 | 99.7 | 68.0-124 | | | 2.38 | 20 |
| Methylene Chloride | 13.0 | 12.6 | 12.1 | 96.8 | 92.8 | 62.0-115 | | | 4.22 | 20 |
| Methyl Butyl Ketone | 15.3 | 15.7 | 15.3 | 102 | 99.7 | 62.0-128 | | | 2.38 | 20 |
| 2-Butanone (MEK) | 11.1 | 11.2 | 10.5 | 101 | 94.9 | 67.0-130 | | | 6.52 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 15.4 | 16.1 | 15.5 | 105 | 101 | 67.0-130 | | | 3.89 | 20 |
| Methyl Methacrylate | 15.4 | 15.4 | 15.1 | 100 | 98.4 | 70.0-128 | | | 1.61 | 20 |
| MTBE | 13.5 | 13.2 | 12.8 | 97.3 | 94.4 | 66.0-126 | | | 3.06 | 20 |
| Naphthalene | 19.6 | 19.3 | 18.7 | 98.4 | 95.2 | 57.0-138 | | | 3.31 | 20 |
| 2-Propanol | 9.22 | 8.87 | 8.50 | 96.3 | 92.3 | 52.0-125 | | | 4.24 | 20 |
| Propene | 6.46 | 6.35 | 6.25 | 98.4 | 96.8 | 57.0-136 | | | 1.64 | 20 |
| Styrene | 31.9 | 34.9 | 33.6 | 109 | 105 | 73.0-127 | | | 3.98 | 20 |
| 1,1,2,2-Tetrachloroethane | 25.8 | 26.9 | 26.4 | 104 | 102 | 65.0-127 | | | 1.81 | 20 |
| Tetrachloroethylene | 25.5 | 27.2 | 26.2 | 107 | 103 | 66.0-124 | | | 3.56 | 20 |
| Tetrahydrofuran | 11.1 | 10.7 | 10.4 | 96.5 | 93.9 | 64.0-123 | | | 2.80 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4168842-1 01/19/25 09:04 • (LCSD) R4168842-2 01/19/25 09:33

| Analyte | Spike Amount ug/m3 | LCS Result ug/m3 | LCSD Result ug/m3 | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Toluene | 14.1 | 14.5 | 13.9 | 102 | 98.7 | 66.0-119 | | | 3.71 | 20 |
| 1,2,4-Trichlorobenzene | 27.8 | 26.4 | 25.8 | 95.2 | 92.8 | 55.0-142 | | | 2.55 | 20 |
| 1,1,1-Trichloroethane | 20.4 | 20.6 | 20.2 | 101 | 99.2 | 68.0-125 | | | 1.60 | 20 |
| 1,1,2-Trichloroethane | 20.4 | 21.8 | 20.9 | 107 | 103 | 73.0-119 | | | 4.07 | 20 |
| Trichloroethylene | 20.1 | 20.8 | 20.3 | 104 | 101 | 71.0-123 | | | 2.60 | 20 |
| 1,3,5-Trimethylbenzene | 18.4 | 20.2 | 19.6 | 110 | 107 | 67.0-130 | | | 2.96 | 20 |
| 2,2,4-Trimethylpentane | 17.5 | 17.5 | 17.1 | 100 | 97.3 | 68.0-121 | | | 2.70 | 20 |
| Vinyl chloride | 9.59 | 9.36 | 9.30 | 97.6 | 97.1 | 64.0-127 | | | 0.548 | 20 |
| Vinyl Bromide | 16.4 | 16.4 | 15.9 | 99.7 | 96.8 | 71.0-126 | | | 2.99 | 20 |
| Vinyl acetate | 13.2 | 10.4 | 9.51 | 78.9 | 72.0 | 56.0-139 | | | 9.19 | 20 |
| (S) 1,4-Bromofluorobenzene | | | | 102 | 101 | 60.0-140 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4169161-3 01/21/25 09:57

| Analyte | MB Result ug/m3 | MB Qualifier | MB MDL ug/m3 | MB LOD ug/m3 | MB RDL ug/m3 |
|----------------------------|--------------------|--------------|-----------------|-----------------|-----------------|
| Benzene | 0.607 | IC | 0.351 | 0.607 | 0.639 |
| Cyclohexane | 0.654 | IC | 0.585 | 0.654 | 0.689 |
| Ethylbenzene | 0.824 | IC | 0.337 | 0.824 | 0.867 |
| 4-Ethyltoluene | 0.933 | IC | 0.435 | 0.933 | 0.982 |
| Heptane | 0.777 | IC | 0.466 | 0.777 | 0.818 |
| n-Hexane | 1.09 | IC | 0.504 | 1.09 | 2.22 |
| Toluene | 1.17 | IC | 0.490 | 1.17 | 1.88 |
| 1,2,4-Trimethylbenzene | 0.933 | IC | 0.455 | 0.933 | 0.982 |
| 1,3,5-Trimethylbenzene | 0.933 | IC | 0.419 | 0.933 | 0.982 |
| 2,2,4-Trimethylpentane | 0.888 | IC | 0.420 | 0.888 | 0.934 |
| m&p-Xylene | 1.34 | IC | 0.754 | 1.34 | 1.73 |
| o-Xylene | 0.824 | IC | 0.385 | 0.824 | 0.867 |
| Xylenes, Total | 0.825 | IC | 0.385 | 0.825 | 2.61 |
| TPH (GC/MS) Low Fraction | 0.785 | IC | 282 | 0.785 | 826 |
| (S) 1,4-Bromofluorobenzene | 93.0 | | | | 60.0-140 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169161-1 01/21/25 08:55 • (LCSD) R4169161-2 01/21/25 09:27

| Analyte | Spike Amount ug/m3 | LCS Result ug/m3 | LCSD Result ug/m3 | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 12.0 | 11.7 | 11.7 | 97.6 | 97.6 | 69.0-119 | | | 0.000 | 20 |
| Cyclohexane | 12.9 | 12.2 | 12.0 | 94.4 | 93.1 | 70.0-117 | | | 1.42 | 20 |
| Ethylbenzene | 16.3 | 15.8 | 16.0 | 97.1 | 98.4 | 70.0-124 | | | 1.36 | 20 |
| 4-Ethyltoluene | 18.4 | 19.3 | 19.4 | 105 | 105 | 67.0-129 | | | 0.253 | 20 |
| Heptane | 15.3 | 13.9 | 13.5 | 90.9 | 88.0 | 69.0-123 | | | 3.28 | 20 |
| n-Hexane | 13.2 | 11.8 | 12.3 | 89.6 | 93.1 | 63.0-120 | | | 3.80 | 20 |
| Toluene | 14.1 | 14.1 | 14.0 | 100 | 99.2 | 66.0-119 | | | 0.803 | 20 |
| 1,2,4-Trimethylbenzene | 18.4 | 20.3 | 20.5 | 110 | 111 | 66.0-132 | | | 0.964 | 20 |
| 1,3,5-Trimethylbenzene | 18.4 | 19.5 | 19.6 | 106 | 106 | 67.0-130 | | | 0.251 | 20 |
| 2,2,4-Trimethylpentane | 17.5 | 16.6 | 16.2 | 94.7 | 92.5 | 68.0-121 | | | 2.28 | 20 |
| m&p-Xylene | 32.5 | 33.4 | 33.4 | 103 | 103 | 61.0-134 | | | 0.000 | 20 |
| o-Xylene | 16.3 | 17.1 | 17.0 | 105 | 105 | 67.0-125 | | | 0.254 | 20 |
| TPH (GC/MS) Low Fraction | 777 | 731 | 723 | 94.1 | 93.1 | 70.0-130 | ⌋ | ⌋ | 1.14 | 20 |
| (S) 1,4-Bromofluorobenzene | | | | 100 | 102 | 60.0-140 | | | | |

GLOSSARY OF TERMS

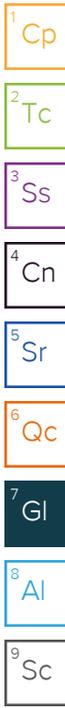
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| DL | Detection Limit. |
| LOD | Limit of Detection. |
| LOQ | Limit of Quantitation. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |



Qualifier Description

| | |
|----|--|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| U | Below Detectable Limits: Indicates that the analyte was not detected. |

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Engineering/Remediation Resources Group

Sample Delivery Group: L1818655
Samples Received: 01/18/2025
Project Number: 20230065
Description: Former Circle K

Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

LG-404-EFF-20250117 L1818655-01 GW

Collected by: FL
 Collected date/time: 01/17/25 11:00
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2436679 | 1 | 01/21/25 11:27 | 01/21/25 11:27 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436674 | 1 | 01/21/25 06:00 | 01/21/25 06:00 | DYW | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2438079 | 1 | 01/23/25 06:33 | 01/23/25 06:33 | ACG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

LG-403-MID-20250117 L1818655-02 GW

Collected by: FL
 Collected date/time: 01/17/25 11:30
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2436679 | 1 | 01/21/25 11:49 | 01/21/25 11:49 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436674 | 1 | 01/21/25 06:22 | 01/21/25 06:22 | DYW | Mt. Juliet, TN |

LG-401-INF-20250117 L1818655-03 GW

Collected by: FL
 Collected date/time: 01/17/25 11:50
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2436679 | 1 | 01/21/25 12:11 | 01/21/25 12:11 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436674 | 1 | 01/21/25 06:43 | 01/21/25 06:43 | DYW | Mt. Juliet, TN |

DUP-3-20250117 L1818655-04 GW

Collected by: FL
 Collected date/time: 01/17/25 12:00
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2436679 | 1 | 01/21/25 12:33 | 01/21/25 12:33 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436674 | 1 | 01/21/25 07:05 | 01/21/25 07:05 | DYW | Mt. Juliet, TN |

DUP-1-20250117 L1818655-05 GW

Collected by: FL
 Collected date/time: 01/17/25 11:05
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |

DUP-2-20250117 L1818655-06 GW

Collected by: FL
 Collected date/time: 01/17/25 11:10
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2438724 | 1 | 01/24/25 15:18 | 01/24/25 20:43 | DAL | Mt. Juliet, TN |

TB-01-20250117 L1818655-07 GW

Collected by: FL
 Collected date/time: 01/17/25 14:00
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2436679 | 1 | 01/21/25 10:01 | 01/21/25 10:01 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436674 | 1 | 01/21/25 01:42 | 01/21/25 01:42 | DYW | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

| <u>Lab Sample ID</u> | <u>Project Sample ID</u> | <u>Method</u> |
|-----------------------------|--------------------------------|---------------|
| L1818655-04 | DUP-3-20250117 | 1664B |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.49 | 1 | 01/24/2025 20:43 | WG2438724 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 11:27 | WG2436679 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | 78.0-120 | | 01/21/2025 11:27 | WG2436679 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/23/2025 06:33 | WG2438079 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Toluene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Trichloroethene | ND | | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Vinyl chloride | ND | C3 | 0.00100 | 1 | 01/21/2025 06:00 | WG2436674 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/21/2025 06:00 | WG2436674 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 01/21/2025 06:00 | WG2436674 |
| (S) Toluene-d8 | 100 | | 80.0-120 | | 01/23/2025 06:33 | WG2438079 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 01/21/2025 06:00 | WG2436674 |
| (S) 4-Bromofluorobenzene | 94.2 | | 77.0-126 | | 01/23/2025 06:33 | WG2438079 |
| (S) 1,2-Dichloroethane-d4 | 94.8 | | 70.0-130 | | 01/21/2025 06:00 | WG2436674 |
| (S) 1,2-Dichloroethane-d4 | 93.8 | | 70.0-130 | | 01/23/2025 06:33 | WG2438079 |



Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.88 | 1 | 01/24/2025 20:43 | WG2438724 |

1 Cp

2 Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 11:49 | WG2436679 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | 78.0-120 | | 01/21/2025 11:49 | WG2436679 |

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/21/2025 06:22 | WG2436674 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/21/2025 06:22 | WG2436674 |
| Toluene | ND | | 0.00100 | 1 | 01/21/2025 06:22 | WG2436674 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/21/2025 06:22 | WG2436674 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 01/21/2025 06:22 | WG2436674 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/21/2025 06:22 | WG2436674 |
| (S) 1,2-Dichloroethane-d4 | 93.9 | | 70.0-130 | | 01/21/2025 06:22 | WG2436674 |

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.88 | 1 | 01/24/2025 20:43 | WG2438724 |

1 Cp

2 Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.109 | | 0.100 | 1 | 01/21/2025 12:11 | WG2436679 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | 78.0-120 | | 01/21/2025 12:11 | WG2436679 |

3 Ss

4 Cn

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/21/2025 06:43 | WG2436674 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/21/2025 06:43 | WG2436674 |
| Toluene | ND | | 0.00100 | 1 | 01/21/2025 06:43 | WG2436674 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/21/2025 06:43 | WG2436674 |
| (S) Toluene-d8 | 100 | | 80.0-120 | | 01/21/2025 06:43 | WG2436674 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 01/21/2025 06:43 | WG2436674 |
| (S) 1,2-Dichloroethane-d4 | 97.1 | | 70.0-130 | | 01/21/2025 06:43 | WG2436674 |

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.75 | 1 | 01/24/2025 20:43 | WG2438724 |

1 Cp

2 Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.119 | | 0.100 | 1 | 01/21/2025 12:33 | WG2436679 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | 78.0-120 | | 01/21/2025 12:33 | WG2436679 |

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/21/2025 07:05 | WG2436674 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/21/2025 07:05 | WG2436674 |
| Toluene | ND | | 0.00100 | 1 | 01/21/2025 07:05 | WG2436674 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/21/2025 07:05 | WG2436674 |
| (S) Toluene-d8 | 99.2 | | 80.0-120 | | 01/21/2025 07:05 | WG2436674 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 01/21/2025 07:05 | WG2436674 |
| (S) 1,2-Dichloroethane-d4 | 93.0 | | 70.0-130 | | 01/21/2025 07:05 | WG2436674 |

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.95 | 1 | 01/24/2025 20:43 | WG2438724 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.81 | 1 | 01/24/2025 20:43 | WG2438724 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 10:01 | WG2436679 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | 78.0-120 | | 01/21/2025 10:01 | WG2436679 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|--------------------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Benzene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Toluene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Trichloroethene | ND | | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Vinyl chloride | ND | C3 | 0.00100 | 1 | 01/21/2025 01:42 | WG2436674 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/21/2025 01:42 | WG2436674 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 01/21/2025 01:42 | WG2436674 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 01/21/2025 01:42 | WG2436674 |
| (S) 1,2-Dichloroethane-d4 | 93.6 | | 70.0-130 | | 01/21/2025 01:42 | WG2436674 |

Method Blank (MB)

(MB) R4170243-1 01/24/25 20:43

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|--------|
| Oil & Grease (Hexane Extr) | U | | 1.40 | 5.00 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4170243-2 01/24/25 20:43 • (LCSD) R4170243-3 01/24/25 20:43

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Oil & Grease (Hexane Extr) | 40.0 | 37.8 | 33.1 | 94.5 | 82.8 | 78.0-114 | | | 13.3 | 20 |

⁴Cn

⁵Sr

L1818655-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1818655-01 01/24/25 20:43 • (MS) R4170243-4 01/24/25 20:43

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Oil & Grease (Hexane Extr) | 40.0 | ND | 42.7 | 107 | 1 | 78.0-114 | |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4169191-2 01/21/25 08:47

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | U | | 0.0316 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4169191-1 01/21/25 08:03

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5.00 | 4.71 | 94.2 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 107 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4169459-4 01/20/25 22:18

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0000941 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000126 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000149 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Tetrachloroethene | U | | 0.000300 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Trichloroethene | U | | 0.000190 | 0.00100 |
| Vinyl chloride | U | | 0.000234 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| <i>(S) Toluene-d8</i> | 100 | | | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i> | 106 | | | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 94.8 | | | 70.0-130 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169459-1 01/20/25 20:32 • (LCSD) R4169459-2 01/20/25 20:53

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.00500 | 0.00452 | 0.00463 | 90.4 | 92.6 | 70.0-123 | | | 2.40 | 20 |
| cis-1,2-Dichloroethene | 0.00500 | 0.00466 | 0.00476 | 93.2 | 95.2 | 73.0-120 | | | 2.12 | 20 |
| trans-1,2-Dichloroethene | 0.00500 | 0.00458 | 0.00457 | 91.6 | 91.4 | 73.0-120 | | | 0.219 | 20 |
| Ethylbenzene | 0.00500 | 0.00440 | 0.00445 | 88.0 | 89.0 | 79.0-123 | | | 1.13 | 20 |
| Tetrachloroethene | 0.00500 | 0.00427 | 0.00434 | 85.4 | 86.8 | 72.0-132 | | | 1.63 | 20 |
| Toluene | 0.00500 | 0.00447 | 0.00445 | 89.4 | 89.0 | 79.0-120 | | | 0.448 | 20 |
| Trichloroethene | 0.00500 | 0.00452 | 0.00446 | 90.4 | 89.2 | 78.0-124 | | | 1.34 | 20 |
| Vinyl chloride | 0.00500 | 0.00387 | 0.00398 | 77.4 | 79.6 | 67.0-131 | | | 2.80 | 20 |
| Xylenes, Total | 0.0150 | 0.0132 | 0.0131 | 88.0 | 87.3 | 79.0-123 | | | 0.760 | 20 |
| <i>(S) Toluene-d8</i> | | | | 102 | 101 | 80.0-120 | | | | |
| <i>(S) 4-Bromofluorobenzene</i> | | | | 102 | 103 | 77.0-126 | | | | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | | 91.8 | 96.4 | 70.0-130 | | | | |

Method Blank (MB)

(MB) R4169738-3 01/22/25 21:51

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| cis-1,2-Dichloroethene | U | | 0.000126 | 0.00100 |
| (S) Toluene-d8 | 103 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 100 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 90.5 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169738-1 01/22/25 19:56 • (LCSD) R4169738-2 01/22/25 20:15

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| cis-1,2-Dichloroethene | 0.00500 | 0.00516 | 0.00526 | 103 | 105 | 73.0-120 | | | 1.92 | 20 |
| (S) Toluene-d8 | | | | 100 | 98.4 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 101 | 99.0 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 88.6 | 91.1 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |



ACCREDITATIONS & LOCATIONS

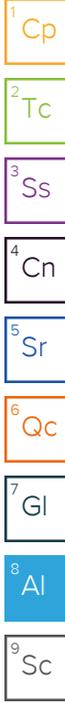
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: **Engineering/Remediation Resources Group**
 15333 NE 90th Street

Billing Information:
 Jennifer Sonnichsen | Accounts Payable
 15333 NE 90th Street Ste 100
 Redmond, WA 98073

Chain of Custody Page **1** of **7**

Pace
 PEOPLE ADVANCING SCIENCE
 MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to: **Jennifer Sonnichsen 425-658-5026**

Project Description: **Former Circle K** City/State Collected: **SEATTLE, WA** Please Circle: **PT** MT CT ET

Regulatory Program (DOD, RCRA, DW, etc): **ECOLOGY** Client Project #: **FOPE 20230065** Lab Project #: **ENGREMRWA-CIRCLE K**

Collected by (print): **FI** Site/Facility ID #: _____ P.O. #: _____

Collected by (signature): *[Signature]* **Rush?** (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day ___ STD TAT

Immediately Packed on Ice N ___ Y **X** Date Results Needed: _____ No. of Cntrs: _____

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NWTPHGX 40miAmb HCl | OGHEX 1L-Clr-WT-HCl | V8250 40miAmb-HCl | V8250 40miAmb-HCl-Bik | Remarks | Sample # (lab only) |
|---------------------------|-----------|----------|-------|---------|------|--------------|---------------------|---------------------|-------------------|-----------------------|---------|---------------------|
| LG-404-EFF-20250117 | GRAB | GW | N/A | 1/17/25 | 1100 | 8 | X | X | X | | | -01 |
| LG-403-MID-20250117 | | GW | | | 1130 | 8 | X | X | X | | | BTEX Only -02 |
| LG-401-INF-20250117 | | GW | | | 1150 | 8 | X | X | X | | | BTEX Only -03 |
| DUP-3-20250117 | | GW | | | 1200 | 8 | X | X | X | | | BTEX Only -04 |
| DUP-1-20250117 | | GW | | | 1105 | 2 | | X | | | | -05 |
| DUP-2-20250117 | | GW | | | 1110 | 2 | | X | | | | -06 |
| TRIP BLANK TB-01-20250117 | | GW | | | 1400 | 2 | X | | | X | | -07 |
| | | GW | | | | 8 | X | X | X | | FI | |

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other

Remarks: **DUP 3 UNPRESERVED BROKEN VIALS 8260D VOCs - BTEX, TCE, cDCE, tDCE, VC, PCE Only COC IN COOLER 1/2**

pH _____ Temp _____ Flow _____ Other _____

Samples returned via: UPS FedEx Courier Tracking #: **4047 5441 4005**

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: Y Y N
 Bottles arrive intact: Y Y N
 Correct bottles used: Y Y N
 Sufficient volume sent: Y Y N
 If Applicable
 VOA Zero Headspace: Y Y N
 Preservation Correct/Checked: Y Y N
 RAD Screen <0.5 mR/hr: Y Y N

Relinquished by: (Signature) *[Signature]* Date: **1/17/25** Time: **1500** Received by: (Signature) **FEDEx** Trip Blank Received: **2** Yes/No Y No N MeOH/TBR

Relinquished by: (Signature) Date: _____ Time: _____ Received by: (Signature) Temp: **36** °C Bottles Received: **36** If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: _____ Time: _____ Received for lab by: (Signature) **Auxa Mitchell** Date: **1/18/25** Time: **0845** Condition: **NCF / OK**

Engineering/Remediation Resources Group

Sample Delivery Group: L1818670
Samples Received: 01/18/2025
Project Number: FORMER CIRCLE K
Description: Former Circle K 1461

Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

SAMPLE SUMMARY

MW-21 L1818670-01 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 09:09

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 10 | 01/21/25 19:24 | 01/21/25 19:24 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 500 | 01/20/25 18:02 | 01/20/25 18:02 | JTO | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-9 L1818670-02 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 09:39

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 16:36 | 01/21/25 16:36 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 20 | 01/20/25 18:24 | 01/20/25 18:24 | JTO | Mt. Juliet, TN |

MW-8 L1818670-03 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 10:10

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 5 | 01/21/25 19:45 | 01/21/25 19:45 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 50 | 01/20/25 18:45 | 01/20/25 18:45 | JTO | Mt. Juliet, TN |

MW-13 L1818670-04 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 10:40

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 10 | 01/21/25 20:06 | 01/21/25 20:06 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 50 | 01/20/25 19:06 | 01/20/25 19:06 | JTO | Mt. Juliet, TN |

MW-20 L1818670-05 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 11:11

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 10 | 01/21/25 20:27 | 01/21/25 20:27 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 250 | 01/20/25 19:28 | 01/20/25 19:28 | JTO | Mt. Juliet, TN |

MW-6 L1818670-06 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 10:59

Received date/time
01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 16:58 | 01/21/25 16:58 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 1 | 01/20/25 15:53 | 01/20/25 15:53 | JTO | Mt. Juliet, TN |

MW-19 L1818670-07 GW

Collected by
Blaine Tech

Collected date/time
01/17/25 11:33

Received date/time
01/18/25 08:45

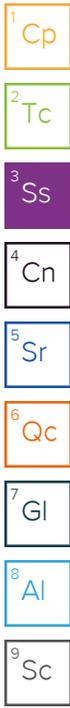
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 10 | 01/21/25 20:48 | 01/21/25 20:48 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 100 | 01/20/25 19:50 | 01/20/25 19:50 | JTO | Mt. Juliet, TN |

SAMPLE SUMMARY

MW-14 L1818670-08 GW

Collected by Blaine Tech Collected date/time 01/17/25 09:09 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 17:18 | 01/21/25 17:18 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 1 | 01/20/25 16:15 | 01/20/25 16:15 | JTO | Mt. Juliet, TN |



MW-16 L1818670-09 GW

Collected by Blaine Tech Collected date/time 01/17/25 09:38 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 17:39 | 01/21/25 17:39 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 1 | 01/20/25 16:37 | 01/20/25 16:37 | JTO | Mt. Juliet, TN |

MW-15 L1818670-10 GW

Collected by Blaine Tech Collected date/time 01/17/25 10:02 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 18:00 | 01/21/25 18:00 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 1 | 01/20/25 16:59 | 01/20/25 16:59 | JTO | Mt. Juliet, TN |

MW-17 L1818670-11 GW

Collected by Blaine Tech Collected date/time 01/17/25 10:35 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 18:21 | 01/21/25 18:21 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436501 | 1 | 01/20/25 17:20 | 01/20/25 17:20 | JTO | Mt. Juliet, TN |

MW-18 L1818670-12 GW

Collected by Blaine Tech Collected date/time 01/17/25 11:11 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 18:42 | 01/21/25 18:42 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436563 | 1 | 01/20/25 18:06 | 01/20/25 18:06 | JBE | Mt. Juliet, TN |

RW-1 L1818670-13 GW

Collected by Blaine Tech Collected date/time 01/17/25 11:44 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 19:03 | 01/21/25 19:03 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436563 | 1 | 01/20/25 18:27 | 01/20/25 18:27 | JBE | Mt. Juliet, TN |

DUP-1 L1818670-14 GW

Collected by Blaine Tech Collected date/time 01/17/25 12:00 Received date/time 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 10 | 01/21/25 21:09 | 01/21/25 21:09 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436563 | 25 | 01/20/25 20:53 | 01/20/25 20:53 | JBE | Mt. Juliet, TN |

SAMPLE SUMMARY

TB-01 L1818670-15 GW

Collected by: Blaine Tech
 Collected date/time: 01/17/25 00:00
 Received date/time: 01/18/25 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2437058 | 1 | 01/21/25 15:12 | 01/21/25 15:12 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2436570 | 1 | 01/20/25 16:56 | 01/20/25 16:56 | DYW | Mt. Juliet, TN |

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 12.0 | | 1.00 | 10 | 01/21/2025 19:24 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 84.9 | | 78.0-120 | | 01/21/2025 19:24 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 3.13 | | 0.500 | 500 | 01/20/2025 18:02 | WG2436501 |
| Toluene | 1.78 | | 0.500 | 500 | 01/20/2025 18:02 | WG2436501 |
| Ethylbenzene | ND | | 0.500 | 500 | 01/20/2025 18:02 | WG2436501 |
| Total Xylenes | 2.82 | | 1.50 | 500 | 01/20/2025 18:02 | WG2436501 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 01/20/2025 18:02 | WG2436501 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 01/20/2025 18:02 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | 70.0-130 | | 01/20/2025 18:02 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 3.85 | | 0.100 | 1 | 01/21/2025 16:36 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 107 | | 78.0-120 | | 01/21/2025 16:36 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0200 | 20 | 01/20/2025 18:24 | WG2436501 |
| Toluene | ND | | 0.0200 | 20 | 01/20/2025 18:24 | WG2436501 |
| Ethylbenzene | 0.156 | | 0.0200 | 20 | 01/20/2025 18:24 | WG2436501 |
| Total Xylenes | 0.203 | | 0.0600 | 20 | 01/20/2025 18:24 | WG2436501 |
| (S) Toluene-d8 | 101 | | 80.0-120 | | 01/20/2025 18:24 | WG2436501 |
| (S) 4-Bromofluorobenzene | 106 | | 77.0-126 | | 01/20/2025 18:24 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 96.4 | | 70.0-130 | | 01/20/2025 18:24 | WG2436501 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 18.3 | | 0.500 | 5 | 01/21/2025 19:45 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6 | | 78.0-120 | | 01/21/2025 19:45 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0500 | 50 | 01/20/2025 18:45 | WG2436501 |
| Toluene | 0.188 | | 0.0500 | 50 | 01/20/2025 18:45 | WG2436501 |
| Ethylbenzene | 1.27 | | 0.0500 | 50 | 01/20/2025 18:45 | WG2436501 |
| Total Xylenes | 4.92 | | 0.150 | 50 | 01/20/2025 18:45 | WG2436501 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 01/20/2025 18:45 | WG2436501 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/20/2025 18:45 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 94.3 | | 70.0-130 | | 01/20/2025 18:45 | WG2436501 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 16.1 | | 1.00 | 10 | 01/21/2025 20:06 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 87.6 | | 78.0-120 | | 01/21/2025 20:06 | WG2437058 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.380 | | 0.0500 | 50 | 01/20/2025 19:06 | WG2436501 |
| Toluene | 0.847 | | 0.0500 | 50 | 01/20/2025 19:06 | WG2436501 |
| Ethylbenzene | 0.712 | | 0.0500 | 50 | 01/20/2025 19:06 | WG2436501 |
| Total Xylenes | 7.43 | | 0.150 | 50 | 01/20/2025 19:06 | WG2436501 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 01/20/2025 19:06 | WG2436501 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/20/2025 19:06 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 90.2 | | 70.0-130 | | 01/20/2025 19:06 | WG2436501 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 8.95 | <u>B</u> | 1.00 | 10 | 01/21/2025 20:27 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 86.4 | | 78.0-120 | | 01/21/2025 20:27 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.861 | | 0.250 | 250 | 01/20/2025 19:28 | WG2436501 |
| Toluene | ND | | 0.250 | 250 | 01/20/2025 19:28 | WG2436501 |
| Ethylbenzene | 0.712 | | 0.250 | 250 | 01/20/2025 19:28 | WG2436501 |
| Total Xylenes | 2.88 | | 0.750 | 250 | 01/20/2025 19:28 | WG2436501 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/20/2025 19:28 | WG2436501 |
| (S) 4-Bromofluorobenzene | 106 | | 77.0-126 | | 01/20/2025 19:28 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 92.6 | | 70.0-130 | | 01/20/2025 19:28 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.263 | <u>B</u> | 0.100 | 1 | 01/21/2025 16:58 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 86.0 | | 78.0-120 | | 01/21/2025 16:58 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|---------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.0462 | | 0.00100 | 1 | 01/20/2025 15:53 | WG2436501 |
| Toluene | 0.00167 | | 0.00100 | 1 | 01/20/2025 15:53 | WG2436501 |
| Ethylbenzene | 0.00528 | | 0.00100 | 1 | 01/20/2025 15:53 | WG2436501 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/20/2025 15:53 | WG2436501 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 01/20/2025 15:53 | WG2436501 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 01/20/2025 15:53 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 94.1 | | 70.0-130 | | 01/20/2025 15:53 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 14.8 | | 1.00 | 10 | 01/21/2025 20:48 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 87.2 | | 78.0-120 | | 01/21/2025 20:48 | WG2437058 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.402 | | 0.100 | 100 | 01/20/2025 19:50 | WG2436501 |
| Toluene | 0.669 | | 0.100 | 100 | 01/20/2025 19:50 | WG2436501 |
| Ethylbenzene | 0.684 | | 0.100 | 100 | 01/20/2025 19:50 | WG2436501 |
| Total Xylenes | 4.49 | | 0.300 | 100 | 01/20/2025 19:50 | WG2436501 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/20/2025 19:50 | WG2436501 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 01/20/2025 19:50 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 90.2 | | 70.0-130 | | 01/20/2025 19:50 | WG2436501 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 17:18 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6 | | 78.0-120 | | 01/21/2025 17:18 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 16:15 | WG2436501 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 16:15 | WG2436501 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 16:15 | WG2436501 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/20/2025 16:15 | WG2436501 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 01/20/2025 16:15 | WG2436501 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 01/20/2025 16:15 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 95.6 | | 70.0-130 | | 01/20/2025 16:15 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 17:39 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3 | | 78.0-120 | | 01/21/2025 17:39 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 16:37 | WG2436501 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 16:37 | WG2436501 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 16:37 | WG2436501 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/20/2025 16:37 | WG2436501 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 01/20/2025 16:37 | WG2436501 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 01/20/2025 16:37 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 97.7 | | 70.0-130 | | 01/20/2025 16:37 | WG2436501 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 18:00 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 87.8 | | 78.0-120 | | 01/21/2025 18:00 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 16:59 | WG2436501 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 16:59 | WG2436501 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 16:59 | WG2436501 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/20/2025 16:59 | WG2436501 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/20/2025 16:59 | WG2436501 |
| (S) 4-Bromofluorobenzene | 108 | | 77.0-126 | | 01/20/2025 16:59 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | 70.0-130 | | 01/20/2025 16:59 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.300 | <u>B</u> | 0.100 | 1 | 01/21/2025 18:21 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.0 | | 78.0-120 | | 01/21/2025 18:21 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 17:20 | WG2436501 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 17:20 | WG2436501 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 17:20 | WG2436501 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/20/2025 17:20 | WG2436501 |
| (S) Toluene-d8 | 110 | | 80.0-120 | | 01/20/2025 17:20 | WG2436501 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 01/20/2025 17:20 | WG2436501 |
| (S) 1,2-Dichloroethane-d4 | 91.4 | | 70.0-130 | | 01/20/2025 17:20 | WG2436501 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.117 | <u>B</u> | 0.100 | 1 | 01/21/2025 18:42 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.7 | | 78.0-120 | | 01/21/2025 18:42 | WG2437058 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 18:06 | WG2436563 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 18:06 | WG2436563 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 18:06 | WG2436563 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/20/2025 18:06 | WG2436563 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/20/2025 18:06 | WG2436563 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/20/2025 18:06 | WG2436563 |
| (S) 1,2-Dichloroethane-d4 | 96.3 | | 70.0-130 | | 01/20/2025 18:06 | WG2436563 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.167 | <u>B</u> | 0.100 | 1 | 01/21/2025 19:03 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.9 | | 78.0-120 | | 01/21/2025 19:03 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 18:27 | WG2436563 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 18:27 | WG2436563 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 18:27 | WG2436563 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/20/2025 18:27 | WG2436563 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/20/2025 18:27 | WG2436563 |
| (S) 4-Bromofluorobenzene | 98.3 | | 77.0-126 | | 01/20/2025 18:27 | WG2436563 |
| (S) 1,2-Dichloroethane-d4 | 100 | | 70.0-130 | | 01/20/2025 18:27 | WG2436563 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 5.27 | <u>B</u> | 1.00 | 10 | 01/21/2025 21:09 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.0 | | 78.0-120 | | 01/21/2025 21:09 | WG2437058 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0250 | 25 | 01/20/2025 20:53 | WG2436563 |
| Ethylbenzene | 0.198 | | 0.0250 | 25 | 01/20/2025 20:53 | WG2436563 |
| Toluene | ND | | 0.0250 | 25 | 01/20/2025 20:53 | WG2436563 |
| Xylenes, Total | 0.247 | | 0.0750 | 25 | 01/20/2025 20:53 | WG2436563 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 01/20/2025 20:53 | WG2436563 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 01/20/2025 20:53 | WG2436563 |
| (S) 1,2-Dichloroethane-d4 | 92.6 | | 70.0-130 | | 01/20/2025 20:53 | WG2436563 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 01/21/2025 15:12 | WG2437058 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3 | | 78.0-120 | | 01/21/2025 15:12 | WG2437058 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/20/2025 16:56 | WG2436570 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/20/2025 16:56 | WG2436570 |
| Toluene | ND | | 0.00100 | 1 | 01/20/2025 16:56 | WG2436570 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/20/2025 16:56 | WG2436570 |
| (S) Toluene-d8 | 94.6 | | 80.0-120 | | 01/20/2025 16:56 | WG2436570 |
| (S) 4-Bromofluorobenzene | 98.3 | | 77.0-126 | | 01/20/2025 16:56 | WG2436570 |
| (S) 1,2-Dichloroethane-d4 | 97.7 | | 70.0-130 | | 01/20/2025 16:56 | WG2436570 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4169122-4 01/21/25 12:59

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 0.0995 | ↓ | 0.0316 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3 | | | 78.0-120 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169122-2 01/21/25 11:56 • (LCSD) R4169122-3 01/21/25 12:17

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Gasoline Range Organics-NWTPH | 5.00 | 4.43 | 4.80 | 88.6 | 96.0 | 70.0-124 | | | 8.02 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 94.8 | 95.5 | 78.0-120 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4168690-3 01/20/25 11:39

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------------|-----------|--------------|-----------|----------|
| | mg/l | | mg/l | mg/l |
| Benzene | U | | 0.0000941 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Total Xylenes | U | | 0.000174 | 0.00300 |
| <i>(S) Toluene-d8</i> | 102 | | | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i> | 107 | | | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 94.1 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4168690-1 01/20/25 09:51 • (LCSD) R4168690-2 01/20/25 10:13

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| | mg/l | mg/l | mg/l | % | % | % | | | % | % |
| Benzene | 0.00500 | 0.00478 | 0.00459 | 95.6 | 91.8 | 70.0-123 | | | 4.06 | 20 |
| Toluene | 0.00500 | 0.00475 | 0.00446 | 95.0 | 89.2 | 79.0-120 | | | 6.30 | 20 |
| Ethylbenzene | 0.00500 | 0.00478 | 0.00450 | 95.6 | 90.0 | 79.0-123 | | | 6.03 | 20 |
| Total Xylenes | 0.0150 | 0.0143 | 0.0133 | 95.3 | 88.7 | 79.0-123 | | | 7.25 | 20 |
| <i>(S) Toluene-d8</i> | | | | 103 | 100 | 80.0-120 | | | | |
| <i>(S) 4-Bromofluorobenzene</i> | | | | 104 | 102 | 77.0-126 | | | | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | | 91.5 | 93.0 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4169437-3 01/20/25 11:12

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------------|-----------|--------------|-----------|----------|
| | mg/l | | mg/l | mg/l |
| Benzene | U | | 0.0000941 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| <i>(S) Toluene-d8</i> | 107 | | | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i> | 97.3 | | | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 100 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169437-1 01/20/25 10:09 • (LCSD) R4169437-2 01/20/25 10:30

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | mg/l | mg/l | mg/l | % | % | % | | | % | % |
| Benzene | 0.00500 | 0.00497 | 0.00503 | 99.4 | 101 | 70.0-123 | | | 1.20 | 20 |
| Ethylbenzene | 0.00500 | 0.00532 | 0.00530 | 106 | 106 | 79.0-123 | | | 0.377 | 20 |
| Toluene | 0.00500 | 0.00525 | 0.00546 | 105 | 109 | 79.0-120 | | | 3.92 | 20 |
| Xylenes, Total | 0.0150 | 0.0155 | 0.0156 | 103 | 104 | 79.0-123 | | | 0.643 | 20 |
| <i>(S) Toluene-d8</i> | | | | 104 | 103 | 80.0-120 | | | | |
| <i>(S) 4-Bromofluorobenzene</i> | | | | 101 | 98.4 | 77.0-126 | | | | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | | 95.6 | 93.1 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4169436-3 01/20/25 11:18

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0000941 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| (S) Toluene-d8 | 93.8 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 98.7 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 95.7 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169436-1 01/20/25 09:36 • (LCSD) R4169436-2 01/20/25 09:57

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.00500 | 0.00597 | 0.00573 | 119 | 115 | 70.0-123 | | | 4.10 | 20 |
| Ethylbenzene | 0.00500 | 0.00494 | 0.00519 | 98.8 | 104 | 79.0-123 | | | 4.94 | 20 |
| Toluene | 0.00500 | 0.00527 | 0.00534 | 105 | 107 | 79.0-120 | | | 1.32 | 20 |
| Xylenes, Total | 0.0150 | 0.0155 | 0.0157 | 103 | 105 | 79.0-123 | | | 1.28 | 20 |
| (S) Toluene-d8 | | | | 94.3 | 92.4 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 96.6 | 100 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 104 | 101 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |



ACCREDITATIONS & LOCATIONS

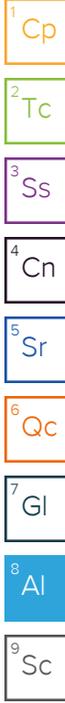
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Engineering/Remediation Resources Group
 15333 NE 90th Street

Billing Information:
Jennifer Sonnichsen | Accounts Payable
 15333 NE 90th Street
 Ste 100
 Redmond, WA 98073

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Report to:
Jennifer Sonnichsen

Email To:
 jennifer.sonnichsen@errg.com; spencer.slomins



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Project Description:
FORMER CIRCLE K 1461

City/State Collected: **SEATTLE, WA**

Please Circle:
 MT CT ET

Phone: **425-658-5026**

Client Project #
FORMER CIRCLE K

Lab Project #
ENGREMRWA-CIRCLE K

Collected by (print): **BLAINE TECH**
YFI

Site/Facility ID #

P.O. #

Collected by (signature): *[Signature]*

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Immediately Packed on Ice N Y

Date Results Needed

No. of Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NWTPHGX 40mlAmb HCl | NWTPHGX 40mlAmb-HCl-Bik | V8260BTEX 40mlAmb-HCl | V8260BTEX 40mlAmb-HCl-Bik | | | | | | | | | |
|------------------|-----------|----------|-------|----------|------|--------------|---------------------|-------------------------|-----------------------|---------------------------|--|--|--|--|--|--|--|--|--|
| MW-17 | GRAB | GW | N/A | 11/17/25 | 1035 | 6 | X | | X | | | | | | | | | | |
| MW-18 | ↓ | GW | | ↓ | 1111 | 6 | X | | X | | | | | | | | | | |
| BW-1 | ↓ | GW | | ↓ | 1144 | 6 | X | | X | | | | | | | | | | |
| DUP-1 | ↓ | GW | | ↓ | 1200 | 6 | X | | X | | | | | | | | | | |
| | | GW | | | | 6 | X | | X | | | | | | | | | | |
| | | GW | | | | 6 | X | | X | | | | | | | | | | |
| TRIP BLANK TB-01 | | GW | | | | 2 | | X | X | | | | | | | | | | |
| TRIP BLANK | | GW | | | | 2 | | X | X | | | | | | | | | | |

SDG # **1818670**

Table #

Acctnum: **ENGREMRWA**

Template: **T263464**

Prelogin: **P1112895**

PM: **3500 - Jennifer Gambill**

PB:

Shipped Via: **FedEx Ground**

Remarks | Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **4208 13415281**

Sample Receipt Checklist

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) *[Signature]*

Date: **1/17/25** Time: **1205**

Received by: (Signature) *[Signature]*

Trip Blank Received: Yes/No
 HCL/MeOH TBR

Relinquished by: (Signature) *[Signature]*

Date: **1/17/15** Time: **1500**

Received by: (Signature) *[Signature]*

Temp: **EDAPC** Bottles Received: **1.57 out = 1.09 BY**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature) *[Signature]*

Date: **1/18/25** Time: **0845**

Hold: Condition: **NCF 100**

Engineering/Remediation Resources Group

Sample Delivery Group: L1827337
Samples Received: 02/15/2025
Project Number: 20230065
Description: Former Circle K 1461

Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

FALCO-300-INF-20250213 L1827337-01 Air

Collected by: Fernando Idiarte
 Collected date/time: 02/13/25 09:35
 Received date/time: 02/15/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2454385 | 100 | 02/19/25 21:43 | 02/19/25 21:43 | DAH | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2454886 | 500 | 02/20/25 18:43 | 02/20/25 18:43 | MBF | Mt. Juliet, TN |



FALCO-300-EFF-20250213 L1827337-02 Air

Collected by: Fernando Idiarte
 Collected date/time: 02/13/25 09:45
 Received date/time: 02/15/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2452779 | 1 | 02/16/25 21:05 | 02/16/25 21:05 | MNP | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2454384 | 10 | 02/19/25 14:36 | 02/19/25 14:36 | NIH | Mt. Juliet, TN |

VP-3-20250213 L1827337-03 Air

Collected by: Fernando Idiarte
 Collected date/time: 02/13/25 10:25
 Received date/time: 02/15/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2452779 | 1 | 02/16/25 21:36 | 02/16/25 21:36 | MNP | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2454383 | 10 | 02/19/25 21:12 | 02/19/25 21:12 | NIH | Mt. Juliet, TN |

VP-4-2025021 L1827337-04 Air

Collected by: Fernando Idiarte
 Collected date/time: 02/13/25 10:35
 Received date/time: 02/15/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2452779 | 1 | 02/16/25 22:08 | 02/16/25 22:08 | MNP | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2454383 | 200 | 02/20/25 00:21 | 02/20/25 00:21 | NIH | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 125 | 297 | 380 | 903 | | 100 | WG2454385 |
| Allyl chloride | 107-05-1 | 76.53 | 20.0 | 62.6 | ND | ND | | 100 | WG2454385 |
| Benzene | 71-43-2 | 78.10 | 20.0 | 63.9 | 2350 | 7510 | | 100 | WG2454385 |
| Benzyl Chloride | 100-44-7 | 127 | 20.0 | 104 | ND | ND | | 100 | WG2454385 |
| Bromodichloromethane | 75-27-4 | 164 | 20.0 | 134 | ND | ND | | 100 | WG2454385 |
| Bromoform | 75-25-2 | 253 | 63.0 | 652 | ND | ND | | 100 | WG2454385 |
| Bromomethane | 74-83-9 | 94.90 | 20.0 | 77.6 | ND | ND | | 100 | WG2454385 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 200 | 443 | ND | ND | | 100 | WG2454385 |
| Carbon disulfide | 75-15-0 | 76.10 | 40.0 | 124 | ND | ND | | 100 | WG2454385 |
| Carbon tetrachloride | 56-23-5 | 154 | 20.0 | 126 | ND | ND | | 100 | WG2454385 |
| Chlorobenzene | 108-90-7 | 113 | 20.0 | 92.4 | ND | ND | | 100 | WG2454385 |
| Chloroethane | 75-00-3 | 64.50 | 20.0 | 52.8 | ND | ND | | 100 | WG2454385 |
| Chloroform | 67-66-3 | 119 | 20.0 | 97.3 | ND | ND | | 100 | WG2454385 |
| Chloromethane | 74-87-3 | 50.50 | 20.0 | 41.3 | ND | ND | | 100 | WG2454385 |
| 2-Chlorotoluene | 95-49-8 | 126 | 20.0 | 103 | ND | ND | | 100 | WG2454385 |
| Cyclohexane | 110-82-7 | 84.20 | 20.0 | 68.9 | 2480 | 8540 | | 100 | WG2454385 |
| Dibromochloromethane | 124-48-1 | 208 | 20.0 | 170 | ND | ND | | 100 | WG2454385 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 20.0 | 154 | ND | ND | | 100 | WG2454385 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2454385 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2454385 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2454385 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 20.0 | 81.0 | ND | ND | | 100 | WG2454385 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 20.0 | 80.2 | ND | ND | | 100 | WG2454385 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 20.0 | 79.3 | ND | ND | | 100 | WG2454385 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 20.0 | 79.3 | 50.4 | 200 | | 100 | WG2454385 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 20.0 | 79.3 | ND | ND | | 100 | WG2454385 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 20.0 | 92.4 | ND | ND | | 100 | WG2454385 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 20.0 | 90.8 | ND | ND | | 100 | WG2454385 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 20.0 | 90.8 | ND | ND | | 100 | WG2454385 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 63.0 | 227 | ND | ND | | 100 | WG2454385 |
| Ethanol | 64-17-5 | 46.10 | 250 | 471 | 764 | 1440 | | 100 | WG2454385 |
| Ethylbenzene | 100-41-4 | 106 | 20.0 | 86.7 | 849 | 3680 | | 100 | WG2454385 |
| 4-Ethyltoluene | 622-96-8 | 120 | 20.0 | 98.2 | 1170 | 5740 | | 100 | WG2454385 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 20.0 | 112 | ND | ND | | 100 | WG2454385 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 20.0 | 98.9 | ND | ND | | 100 | WG2454385 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 20.0 | 153 | ND | ND | | 100 | WG2454385 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 20.0 | 140 | ND | ND | | 100 | WG2454385 |
| Heptane | 142-82-5 | 100 | 20.0 | 81.8 | 4330 | 17700 | | 100 | WG2454385 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 63.0 | 673 | ND | ND | | 100 | WG2454385 |
| n-Hexane | 110-54-3 | 86.20 | 315 | 1110 | 15200 | 53600 | | 500 | WG2454886 |
| Isopropylbenzene | 98-82-8 | 120.20 | 20.0 | 98.3 | ND | ND | | 100 | WG2454385 |
| Methylene Chloride | 75-09-2 | 84.90 | 20.0 | 69.4 | ND | ND | | 100 | WG2454385 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 125 | 511 | ND | ND | | 100 | WG2454385 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 125 | 369 | ND | ND | | 100 | WG2454385 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 125 | 512 | ND | ND | | 100 | WG2454385 |
| Methyl methacrylate | 80-62-6 | 100.12 | 20.0 | 81.9 | ND | ND | | 100 | WG2454385 |
| MTBE | 1634-04-4 | 88.10 | 20.0 | 72.1 | ND | ND | | 100 | WG2454385 |
| Naphthalene | 91-20-3 | 128 | 63.0 | 330 | ND | ND | | 100 | WG2454385 |
| 2-Propanol | 67-63-0 | 60.10 | 125 | 307 | 1360 | 3340 | | 100 | WG2454385 |
| Propene | 115-07-1 | 42.10 | 125 | 215 | ND | ND | | 100 | WG2454385 |
| Styrene | 100-42-5 | 104 | 40.0 | 170 | ND | ND | | 100 | WG2454385 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 20.0 | 137 | ND | ND | | 100 | WG2454385 |
| Tetrachloroethylene | 127-18-4 | 166 | 20.0 | 136 | 281 | 1910 | | 100 | WG2454385 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 20.0 | 59.0 | ND | ND | | 100 | WG2454385 |
| Toluene | 108-88-3 | 92.10 | 50.0 | 188 | 3230 | 12200 | | 100 | WG2454385 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 63.0 | 466 | ND | ND | | 100 | WG2454385 |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 20.0 | 109 | ND | ND | | 100 | WG2454385 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 20.0 | 109 | ND | ND | | 100 | WG2454385 |
| Trichloroethylene | 79-01-6 | 131 | 20.0 | 107 | ND | ND | | 100 | WG2454385 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 20.0 | 98.2 | 902 | 4430 | | 100 | WG2454385 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 20.0 | 98.2 | 432 | 2120 | | 100 | WG2454385 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 20.0 | 93.4 | 5510 | 25700 | | 100 | WG2454385 |
| Vinyl chloride | 75-01-4 | 62.50 | 20.0 | 51.1 | ND | ND | | 100 | WG2454385 |
| Vinyl Bromide | 593-60-2 | 106.95 | 20.0 | 87.5 | ND | ND | | 100 | WG2454385 |
| Vinyl acetate | 108-05-4 | 86.10 | 63.0 | 222 | ND | ND | | 100 | WG2454385 |
| Xylenes, Total | 1330-20-7 | 106.16 | 60.0 | 261 | 8540 | 37100 | | 100 | WG2454385 |
| m&p-Xylene | 179601-23-1 | 106 | 40.0 | 173 | 6470 | 28000 | | 100 | WG2454385 |
| o-Xylene | 95-47-6 | 106 | 20.0 | 86.7 | 2070 | 8970 | | 100 | WG2454385 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 20000 | 82600 | 145000 | 599000 | | 100 | WG2454385 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 96.2 | | | | WG2454385 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 91.8 | | | | WG2454886 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 1.25 | 2.97 | 6.29 | 14.9 | B | 1 | WG2452779 |
| Allyl chloride | 107-05-1 | 76.53 | 0.200 | 0.626 | ND | ND | | 1 | WG2452779 |
| Benzene | 71-43-2 | 78.10 | 2.00 | 6.39 | 8.97 | 28.7 | | 10 | WG2454384 |
| Benzyl Chloride | 100-44-7 | 127 | 2.00 | 10.4 | ND | ND | | 10 | WG2454384 |
| Bromodichloromethane | 75-27-4 | 164 | 2.00 | 13.4 | ND | ND | | 10 | WG2454384 |
| Bromoform | 75-25-2 | 253 | 6.30 | 65.2 | ND | ND | | 10 | WG2454384 |
| Bromomethane | 74-83-9 | 94.90 | 0.200 | 0.776 | ND | ND | | 1 | WG2452779 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 2.00 | 4.43 | ND | ND | | 1 | WG2452779 |
| Carbon disulfide | 75-15-0 | 76.10 | 0.400 | 1.24 | 1.50 | 4.67 | | 1 | WG2452779 |
| Carbon tetrachloride | 56-23-5 | 154 | 0.200 | 1.26 | ND | ND | | 1 | WG2452779 |
| Chlorobenzene | 108-90-7 | 113 | 2.00 | 9.24 | ND | ND | | 10 | WG2454384 |
| Chloroethane | 75-00-3 | 64.50 | 0.200 | 0.528 | 0.779 | 2.06 | | 1 | WG2452779 |
| Chloroform | 67-66-3 | 119 | 0.200 | 0.973 | ND | ND | | 1 | WG2452779 |
| Chloromethane | 74-87-3 | 50.50 | 0.200 | 0.413 | 21.9 | 45.2 | | 1 | WG2452779 |
| 2-Chlorotoluene | 95-49-8 | 126 | 2.00 | 10.3 | ND | ND | | 10 | WG2454384 |
| Cyclohexane | 110-82-7 | 84.20 | 0.200 | 0.689 | 24.8 | 85.4 | | 1 | WG2452779 |
| Dibromochloromethane | 124-48-1 | 208 | 2.00 | 17.0 | ND | ND | | 10 | WG2454384 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 2.00 | 15.4 | ND | ND | | 10 | WG2454384 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 2.00 | 12.0 | ND | ND | | 10 | WG2454384 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 2.00 | 12.0 | ND | ND | | 10 | WG2454384 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 2.00 | 12.0 | ND | ND | | 10 | WG2454384 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 2.00 | 8.10 | ND | ND | | 10 | WG2454384 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 0.200 | 0.802 | ND | ND | | 1 | WG2452779 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 2.00 | 9.24 | ND | ND | | 10 | WG2454384 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 2.00 | 9.08 | ND | ND | | 10 | WG2454384 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 2.00 | 9.08 | ND | ND | | 10 | WG2454384 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 6.30 | 22.7 | ND | ND | | 10 | WG2454384 |
| Ethanol | 64-17-5 | 46.10 | 2.50 | 4.71 | 8.81 | 16.6 | | 1 | WG2452779 |
| Ethylbenzene | 100-41-4 | 106 | 2.00 | 8.67 | 2.12 | 9.19 | | 10 | WG2454384 |
| 4-Ethyltoluene | 622-96-8 | 120 | 2.00 | 9.82 | ND | ND | | 10 | WG2454384 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 0.200 | 1.12 | ND | ND | | 1 | WG2452779 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 0.200 | 0.989 | ND | ND | | 1 | WG2452779 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 0.200 | 1.53 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 0.200 | 1.40 | ND | ND | | 1 | WG2452779 |
| Heptane | 142-82-5 | 100 | 2.00 | 8.18 | 35.9 | 147 | | 10 | WG2454384 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 6.30 | 67.3 | ND | ND | | 10 | WG2454384 |
| n-Hexane | 110-54-3 | 86.20 | 6.30 | 22.2 | 236 | 832 | | 10 | WG2454384 |
| Isopropylbenzene | 98-82-8 | 120.20 | 2.00 | 9.83 | ND | ND | | 10 | WG2454384 |
| Methylene Chloride | 75-09-2 | 84.90 | 0.200 | 0.694 | 6.91 | 24.0 | | 1 | WG2452779 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 12.5 | 51.1 | ND | ND | | 10 | WG2454384 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 1.25 | 3.69 | ND | ND | | 1 | WG2452779 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 12.5 | 51.2 | ND | ND | | 10 | WG2454384 |
| Methyl methacrylate | 80-62-6 | 100.12 | 2.00 | 8.19 | ND | ND | | 10 | WG2454384 |
| MTBE | 1634-04-4 | 88.10 | 0.200 | 0.721 | ND | ND | | 1 | WG2452779 |
| Naphthalene | 91-20-3 | 128 | 6.30 | 33.0 | ND | ND | | 10 | WG2454384 |
| 2-Propanol | 67-63-0 | 60.10 | 1.25 | 3.07 | 12.2 | 30.0 | | 1 | WG2452779 |
| Propene | 115-07-1 | 42.10 | 1.25 | 2.15 | ND | ND | | 1 | WG2452779 |
| Styrene | 100-42-5 | 104 | 4.00 | 17.0 | ND | ND | | 10 | WG2454384 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 2.00 | 13.7 | ND | ND | | 10 | WG2454384 |
| Tetrachloroethylene | 127-18-4 | 166 | 2.00 | 13.6 | 5.50 | 37.3 | | 10 | WG2454384 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 0.200 | 0.590 | ND | ND | | 1 | WG2452779 |
| Toluene | 108-88-3 | 92.10 | 5.00 | 18.8 | 7.43 | 28.0 | | 10 | WG2454384 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 6.30 | 46.6 | ND | ND | | 10 | WG2454384 |



Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2452779 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 2.00 | 10.9 | ND | ND | | 10 | WG2454384 |
| Trichloroethylene | 79-01-6 | 131 | 2.00 | 10.7 | ND | ND | | 10 | WG2454384 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 2.00 | 9.82 | 2.21 | 10.8 | | 10 | WG2454384 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 2.00 | 9.82 | ND | ND | | 10 | WG2454384 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 2.00 | 9.34 | 95.9 | 448 | | 10 | WG2454384 |
| Vinyl chloride | 75-01-4 | 62.50 | 0.200 | 0.511 | 0.261 | 0.667 | | 1 | WG2452779 |
| Vinyl Bromide | 593-60-2 | 106.95 | 0.200 | 0.875 | ND | ND | | 1 | WG2452779 |
| Vinyl acetate | 108-05-4 | 86.10 | 0.630 | 2.22 | ND | ND | | 1 | WG2452779 |
| Xylenes, Total | 1330-20-7 | 106.16 | 6.00 | 26.1 | 9.42 | 40.9 | | 10 | WG2454384 |
| m&p-Xylene | 179601-23-1 | 106 | 4.00 | 17.3 | 6.95 | 30.1 | | 10 | WG2454384 |
| o-Xylene | 95-47-6 | 106 | 2.00 | 8.67 | 2.47 | 10.7 | | 10 | WG2454384 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 200 | 826 | 606 | 2500 | | 1 | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 102 | | | | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 98.9 | | | | WG2454384 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 1.25 | 2.97 | 3.54 | 8.41 | B | 1 | WG2452779 |
| Allyl chloride | 107-05-1 | 76.53 | 0.200 | 0.626 | ND | ND | | 1 | WG2452779 |
| Benzene | 71-43-2 | 78.10 | 0.200 | 0.639 | 1.66 | 5.30 | | 1 | WG2452779 |
| Benzyl Chloride | 100-44-7 | 127 | 0.200 | 1.04 | ND | ND | | 1 | WG2452779 |
| Bromodichloromethane | 75-27-4 | 164 | 0.200 | 1.34 | ND | ND | | 1 | WG2452779 |
| Bromoform | 75-25-2 | 253 | 0.630 | 6.52 | ND | ND | | 1 | WG2452779 |
| Bromomethane | 74-83-9 | 94.90 | 0.200 | 0.776 | ND | ND | | 1 | WG2452779 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 2.00 | 4.43 | ND | ND | | 1 | WG2452779 |
| Carbon disulfide | 75-15-0 | 76.10 | 0.400 | 1.24 | ND | ND | | 1 | WG2452779 |
| Carbon tetrachloride | 56-23-5 | 154 | 0.200 | 1.26 | ND | ND | | 1 | WG2452779 |
| Chlorobenzene | 108-90-7 | 113 | 0.200 | 0.924 | ND | ND | | 1 | WG2452779 |
| Chloroethane | 75-00-3 | 64.50 | 0.200 | 0.528 | ND | ND | | 1 | WG2452779 |
| Chloroform | 67-66-3 | 119 | 0.200 | 0.973 | 0.967 | 4.71 | | 1 | WG2452779 |
| Chloromethane | 74-87-3 | 50.50 | 0.200 | 0.413 | 0.221 | 0.456 | | 1 | WG2452779 |
| 2-Chlorotoluene | 95-49-8 | 126 | 0.200 | 1.03 | ND | ND | | 1 | WG2452779 |
| Cyclohexane | 110-82-7 | 84.20 | 0.200 | 0.689 | 0.308 | 1.06 | | 1 | WG2452779 |
| Dibromochloromethane | 124-48-1 | 208 | 0.200 | 1.70 | ND | ND | | 1 | WG2452779 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 0.200 | 1.54 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2452779 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2452779 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 0.200 | 0.810 | ND | ND | | 1 | WG2452779 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 0.200 | 0.802 | ND | ND | | 1 | WG2452779 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.200 | 0.924 | ND | ND | | 1 | WG2452779 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2452779 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2452779 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 0.630 | 2.27 | ND | ND | | 1 | WG2452779 |
| Ethanol | 64-17-5 | 46.10 | 2.50 | 4.71 | 8.97 | 16.9 | | 1 | WG2452779 |
| Ethylbenzene | 100-41-4 | 106 | 0.200 | 0.867 | 5.65 | 24.5 | | 1 | WG2452779 |
| 4-Ethyltoluene | 622-96-8 | 120 | 0.200 | 0.982 | 9.21 | 45.2 | | 1 | WG2452779 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 0.200 | 1.12 | 0.208 | 1.17 | | 1 | WG2452779 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 0.200 | 0.989 | 0.379 | 1.87 | | 1 | WG2452779 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 0.200 | 1.53 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 0.200 | 1.40 | ND | ND | | 1 | WG2452779 |
| Heptane | 142-82-5 | 100 | 0.200 | 0.818 | 0.785 | 3.21 | | 1 | WG2452779 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 0.630 | 6.73 | ND | ND | | 1 | WG2452779 |
| n-Hexane | 110-54-3 | 86.20 | 0.630 | 2.22 | 0.686 | 2.42 | | 1 | WG2452779 |
| Isopropylbenzene | 98-82-8 | 120.20 | 0.200 | 0.983 | 0.704 | 3.46 | | 1 | WG2452779 |
| Methylene Chloride | 75-09-2 | 84.90 | 0.200 | 0.694 | 0.330 | 1.15 | | 1 | WG2452779 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 1.25 | 5.11 | ND | ND | | 1 | WG2452779 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 1.25 | 3.69 | ND | ND | | 1 | WG2452779 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 1.25 | 5.12 | ND | ND | | 1 | WG2452779 |
| Methyl methacrylate | 80-62-6 | 100.12 | 0.200 | 0.819 | ND | ND | | 1 | WG2452779 |
| MTBE | 1634-04-4 | 88.10 | 0.200 | 0.721 | ND | ND | | 1 | WG2452779 |
| Naphthalene | 91-20-3 | 128 | 0.630 | 3.30 | 2.90 | 15.2 | | 1 | WG2452779 |
| 2-Propanol | 67-63-0 | 60.10 | 1.25 | 3.07 | 1.94 | 4.77 | | 1 | WG2452779 |
| Propene | 115-07-1 | 42.10 | 1.25 | 2.15 | ND | ND | | 1 | WG2452779 |
| Styrene | 100-42-5 | 104 | 0.400 | 1.70 | ND | ND | | 1 | WG2452779 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 0.200 | 1.37 | ND | ND | | 1 | WG2452779 |
| Tetrachloroethylene | 127-18-4 | 166 | 2.00 | 13.6 | 143 | 971 | | 10 | WG2454383 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 0.200 | 0.590 | ND | ND | | 1 | WG2452779 |
| Toluene | 108-88-3 | 92.10 | 0.500 | 1.88 | 8.38 | 31.6 | | 1 | WG2452779 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 0.630 | 4.66 | ND | ND | | 1 | WG2452779 |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2452779 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2452779 |
| Trichloroethylene | 79-01-6 | 131 | 0.200 | 1.07 | 11.7 | 62.7 | | 1 | WG2452779 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 0.200 | 0.982 | 37.9 | 186 | | 1 | WG2452779 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 0.200 | 0.982 | 11.5 | 56.4 | | 1 | WG2452779 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 0.200 | 0.934 | 0.470 | 2.20 | | 1 | WG2452779 |
| Vinyl chloride | 75-01-4 | 62.50 | 0.200 | 0.511 | ND | ND | | 1 | WG2452779 |
| Vinyl Bromide | 593-60-2 | 106.95 | 0.200 | 0.875 | ND | ND | | 1 | WG2452779 |
| Vinyl acetate | 108-05-4 | 86.10 | 0.630 | 2.22 | ND | ND | | 1 | WG2452779 |
| Xylenes, Total | 1330-20-7 | 106.16 | 0.600 | 2.61 | 70.4 | 306 | | 1 | WG2452779 |
| m&p-Xylene | 179601-23-1 | 106 | 0.400 | 1.73 | 50.1 | 217 | | 1 | WG2452779 |
| o-Xylene | 95-47-6 | 106 | 0.200 | 0.867 | 20.3 | 88.0 | | 1 | WG2452779 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 200 | 826 | 465 | 1920 | | 1 | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 103 | | | | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 93.1 | | | | WG2454383 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 1.25 | 2.97 | 2.77 | 6.58 | B | 1 | WG2452779 |
| Allyl chloride | 107-05-1 | 76.53 | 0.200 | 0.626 | ND | ND | | 1 | WG2452779 |
| Benzene | 71-43-2 | 78.10 | 0.200 | 0.639 | 1.48 | 4.73 | | 1 | WG2452779 |
| Benzyl Chloride | 100-44-7 | 127 | 0.200 | 1.04 | ND | ND | | 1 | WG2452779 |
| Bromodichloromethane | 75-27-4 | 164 | 0.200 | 1.34 | ND | ND | | 1 | WG2452779 |
| Bromoform | 75-25-2 | 253 | 0.630 | 6.52 | ND | ND | | 1 | WG2452779 |
| Bromomethane | 74-83-9 | 94.90 | 0.200 | 0.776 | ND | ND | | 1 | WG2452779 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 2.00 | 4.43 | ND | ND | | 1 | WG2452779 |
| Carbon disulfide | 75-15-0 | 76.10 | 0.400 | 1.24 | ND | ND | | 1 | WG2452779 |
| Carbon tetrachloride | 56-23-5 | 154 | 0.200 | 1.26 | ND | ND | | 1 | WG2452779 |
| Chlorobenzene | 108-90-7 | 113 | 0.200 | 0.924 | ND | ND | | 1 | WG2452779 |
| Chloroethane | 75-00-3 | 64.50 | 0.200 | 0.528 | ND | ND | | 1 | WG2452779 |
| Chloroform | 67-66-3 | 119 | 0.200 | 0.973 | 4.33 | 21.1 | | 1 | WG2452779 |
| Chloromethane | 74-87-3 | 50.50 | 0.200 | 0.413 | 0.211 | 0.436 | | 1 | WG2452779 |
| 2-Chlorotoluene | 95-49-8 | 126 | 0.200 | 1.03 | ND | ND | | 1 | WG2452779 |
| Cyclohexane | 110-82-7 | 84.20 | 0.200 | 0.689 | 72.5 | 250 | | 1 | WG2452779 |
| Dibromochloromethane | 124-48-1 | 208 | 0.200 | 1.70 | ND | ND | | 1 | WG2452779 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 0.200 | 1.54 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2452779 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2452779 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.200 | 1.20 | 2.39 | 14.4 | | 1 | WG2452779 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 0.200 | 0.810 | ND | ND | | 1 | WG2452779 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 0.200 | 0.802 | ND | ND | | 1 | WG2452779 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2452779 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 0.200 | 0.793 | 7.83 | 31.0 | | 1 | WG2452779 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 0.200 | 0.793 | 0.720 | 2.85 | | 1 | WG2452779 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.200 | 0.924 | ND | ND | | 1 | WG2452779 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2452779 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2452779 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 0.630 | 2.27 | ND | ND | | 1 | WG2452779 |
| Ethanol | 64-17-5 | 46.10 | 2.50 | 4.71 | 13.3 | 25.1 | | 1 | WG2452779 |
| Ethylbenzene | 100-41-4 | 106 | 0.200 | 0.867 | 5.34 | 23.2 | | 1 | WG2452779 |
| 4-Ethyltoluene | 622-96-8 | 120 | 0.200 | 0.982 | 6.01 | 29.5 | | 1 | WG2452779 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 0.200 | 1.12 | 0.247 | 1.39 | | 1 | WG2452779 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 0.200 | 0.989 | 0.740 | 3.66 | | 1 | WG2452779 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 0.200 | 1.53 | ND | ND | | 1 | WG2452779 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 0.200 | 1.40 | ND | ND | | 1 | WG2452779 |
| Heptane | 142-82-5 | 100 | 0.200 | 0.818 | ND | ND | | 1 | WG2452779 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 0.630 | 6.73 | ND | ND | | 1 | WG2452779 |
| n-Hexane | 110-54-3 | 86.20 | 0.630 | 2.22 | 1.14 | 4.02 | | 1 | WG2452779 |
| Isopropylbenzene | 98-82-8 | 120.20 | 0.200 | 0.983 | 0.838 | 4.12 | | 1 | WG2452779 |
| Methylene Chloride | 75-09-2 | 84.90 | 0.200 | 0.694 | 0.256 | 0.889 | | 1 | WG2452779 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 1.25 | 5.11 | ND | ND | | 1 | WG2452779 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 1.25 | 3.69 | 1.43 | 4.22 | | 1 | WG2452779 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 1.25 | 5.12 | ND | ND | | 1 | WG2452779 |
| Methyl methacrylate | 80-62-6 | 100.12 | 0.200 | 0.819 | ND | ND | | 1 | WG2452779 |
| MTBE | 1634-04-4 | 88.10 | 0.200 | 0.721 | ND | ND | | 1 | WG2452779 |
| Naphthalene | 91-20-3 | 128 | 0.630 | 3.30 | 7.23 | 37.9 | | 1 | WG2452779 |
| 2-Propanol | 67-63-0 | 60.10 | 1.25 | 3.07 | 4.92 | 12.1 | | 1 | WG2452779 |
| Propene | 115-07-1 | 42.10 | 1.25 | 2.15 | 9.69 | 16.7 | | 1 | WG2452779 |
| Styrene | 100-42-5 | 104 | 0.400 | 1.70 | ND | ND | | 1 | WG2452779 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 0.200 | 1.37 | ND | ND | | 1 | WG2452779 |
| Tetrachloroethylene | 127-18-4 | 166 | 40.0 | 272 | 4310 | 29300 | | 200 | WG2454383 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 0.200 | 0.590 | ND | ND | | 1 | WG2452779 |
| Toluene | 108-88-3 | 92.10 | 0.500 | 1.88 | 8.45 | 31.8 | | 1 | WG2452779 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 0.630 | 4.66 | ND | ND | | 1 | WG2452779 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2452779 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2452779 |
| Trichloroethylene | 79-01-6 | 131 | 0.200 | 1.07 | 75.3 | 403 | | 1 | WG2452779 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 0.200 | 0.982 | 28.5 | 140 | | 1 | WG2452779 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 0.200 | 0.982 | 8.34 | 40.9 | | 1 | WG2452779 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 0.200 | 0.934 | 87.4 | 408 | | 1 | WG2452779 |
| Vinyl chloride | 75-01-4 | 62.50 | 0.200 | 0.511 | ND | ND | | 1 | WG2452779 |
| Vinyl Bromide | 593-60-2 | 106.95 | 0.200 | 0.875 | ND | ND | | 1 | WG2452779 |
| Vinyl acetate | 108-05-4 | 86.10 | 0.630 | 2.22 | ND | ND | | 1 | WG2452779 |
| Xylenes, Total | 1330-20-7 | 106.16 | 0.600 | 2.61 | 52.3 | 227 | | 1 | WG2452779 |
| m&p-Xylene | 179601-23-1 | 106 | 0.400 | 1.73 | 34.5 | 150 | | 1 | WG2452779 |
| o-Xylene | 95-47-6 | 106 | 0.200 | 0.867 | 17.8 | 77.2 | | 1 | WG2452779 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 200 | 826 | 3830 | 15800 | | 1 | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 135 | | | | WG2452779 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 97.3 | | | | WG2454383 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4177872-3 02/16/25 10:30

| Analyte | MB Result ppbv | MB Qualifier | MB MDL ppbv | MB RDL ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone | 0.657 | U | 0.520 | 1.25 |
| Allyl chloride | U | | 0.186 | 0.200 |
| Benzene | U | | 0.110 | 0.200 |
| Benzyl Chloride | U | | 0.0888 | 0.200 |
| Bromodichloromethane | U | | 0.0695 | 0.200 |
| Bromoform | U | | 0.0755 | 0.630 |
| Bromomethane | U | | 0.0938 | 0.200 |
| 1,3-Butadiene | U | | 0.158 | 2.00 |
| Carbon disulfide | U | | 0.160 | 0.400 |
| Carbon tetrachloride | U | | 0.0746 | 0.200 |
| Chlorobenzene | U | | 0.118 | 0.200 |
| Chloroethane | U | | 0.110 | 0.200 |
| Chloroform | U | | 0.104 | 0.200 |
| Chloromethane | U | | 0.110 | 0.200 |
| 2-Chlorotoluene | U | | 0.0787 | 0.200 |
| Cyclohexane | U | | 0.170 | 0.200 |
| Dibromochloromethane | U | | 0.0696 | 0.200 |
| 1,2-Dibromoethane | U | | 0.0690 | 0.200 |
| 1,2-Dichlorobenzene | U | | 0.0734 | 0.200 |
| 1,3-Dichlorobenzene | U | | 0.0753 | 0.200 |
| 1,4-Dichlorobenzene | U | | 0.0768 | 0.200 |
| 1,2-Dichloroethane | U | | 0.0730 | 0.200 |
| 1,1-Dichloroethane | U | | 0.0710 | 0.200 |
| 1,1-Dichloroethene | U | | 0.0747 | 0.200 |
| cis-1,2-Dichloroethene | U | | 0.0796 | 0.200 |
| trans-1,2-Dichloroethene | U | | 0.0735 | 0.200 |
| 1,2-Dichloropropane | U | | 0.0752 | 0.200 |
| cis-1,3-Dichloropropene | U | | 0.0743 | 0.200 |
| trans-1,3-Dichloropropene | U | | 0.0795 | 0.200 |
| 1,4-Dioxane | U | | 0.164 | 0.630 |
| Ethanol | U | | 2.37 | 2.50 |
| Ethylbenzene | U | | 0.0778 | 0.200 |
| 4-Ethyltoluene | U | | 0.0887 | 0.200 |
| Trichlorofluoromethane | U | | 0.0771 | 0.200 |
| Dichlorodifluoromethane | U | | 0.0806 | 0.200 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.0751 | 0.200 |
| 1,2-Dichlorotetrafluoroethane | U | | 0.0756 | 0.200 |
| Heptane | U | | 0.114 | 0.200 |
| Hexachloro-1,3-butadiene | U | | 0.0800 | 0.630 |
| n-Hexane | U | | 0.143 | 0.630 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4177872-3 02/16/25 10:30

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------------------|-----------|--------------|--------|----------|
| | ppbv | | ppbv | ppbv |
| Isopropylbenzene | U | | 0.0722 | 0.200 |
| Methylene Chloride | U | | 0.169 | 0.200 |
| Methyl Butyl Ketone | U | | 0.133 | 1.25 |
| 2-Butanone (MEK) | U | | 0.116 | 1.25 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.106 | 1.25 |
| Methyl methacrylate | U | | 0.169 | 0.200 |
| MTBE | U | | 0.0813 | 0.200 |
| Naphthalene | U | | 0.617 | 0.630 |
| 2-Propanol | U | | 0.680 | 1.25 |
| Propene | U | | 0.214 | 1.25 |
| Styrene | U | | 0.0802 | 0.400 |
| 1,1,2,2-Tetrachloroethane | U | | 0.0695 | 0.200 |
| Tetrahydrofuran | U | | 0.164 | 0.200 |
| Toluene | U | | 0.130 | 0.500 |
| 1,2,4-Trichlorobenzene | U | | 0.462 | 0.630 |
| 1,1,1-Trichloroethane | U | | 0.0718 | 0.200 |
| 1,1,2-Trichloroethane | U | | 0.0683 | 0.200 |
| Trichloroethylene | U | | 0.0680 | 0.200 |
| 1,2,4-Trimethylbenzene | U | | 0.0927 | 0.200 |
| 1,3,5-Trimethylbenzene | U | | 0.0853 | 0.200 |
| 2,2,4-Trimethylpentane | U | | 0.0898 | 0.200 |
| Vinyl chloride | U | | 0.0826 | 0.200 |
| Vinyl Bromide | U | | 0.0749 | 0.200 |
| Vinyl acetate | U | | 0.0968 | 0.630 |
| Xylenes, Total | U | | 0.0887 | 0.600 |
| m&p-Xylene | U | | 0.174 | 0.400 |
| o-Xylene | U | | 0.0887 | 0.200 |
| TPH (GC/MS) Low Fraction | U | | 68.3 | 200 |
| (S) 1,4-Bromofluorobenzene | 93.1 | | | 60.0-140 |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4177872-1 02/16/25 09:27 • (LCSD) R4177872-2 02/16/25 09:59

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|-----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | ppbv | ppbv | ppbv | % | % | % | | | % | % |
| Acetone | 3.75 | 3.91 | 3.96 | 104 | 106 | 70.0-130 | | | 1.27 | 25 |
| Allyl chloride | 3.75 | 3.62 | 3.42 | 96.5 | 91.2 | 70.0-130 | | | 5.68 | 25 |
| Benzene | 3.75 | 3.49 | 3.49 | 93.1 | 93.1 | 70.0-130 | | | 0.000 | 25 |
| Benzyl Chloride | 3.75 | 3.95 | 3.90 | 105 | 104 | 70.0-152 | | | 1.27 | 25 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4177872-1 02/16/25 09:27 • (LCSD) R4177872-2 02/16/25 09:59

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Bromodichloromethane | 3.75 | 3.49 | 3.52 | 93.1 | 93.9 | 70.0-130 | | | 0.856 | 25 |
| Bromoform | 3.75 | 3.24 | 3.24 | 86.4 | 86.4 | 70.0-130 | | | 0.000 | 25 |
| Bromomethane | 3.75 | 3.64 | 3.58 | 97.1 | 95.5 | 70.0-130 | | | 1.66 | 25 |
| 1,3-Butadiene | 3.75 | 3.46 | 3.48 | 92.3 | 92.8 | 70.0-130 | | | 0.576 | 25 |
| Carbon disulfide | 7.50 | 6.96 | 6.92 | 92.8 | 92.3 | 70.0-130 | | | 0.576 | 25 |
| Carbon tetrachloride | 3.75 | 3.79 | 3.74 | 101 | 99.7 | 70.0-130 | | | 1.33 | 25 |
| Chlorobenzene | 3.75 | 3.53 | 3.55 | 94.1 | 94.7 | 70.0-130 | | | 0.565 | 25 |
| Chloroethane | 3.75 | 3.57 | 3.48 | 95.2 | 92.8 | 70.0-130 | | | 2.55 | 25 |
| Chloroform | 3.75 | 3.51 | 3.57 | 93.6 | 95.2 | 70.0-130 | | | 1.69 | 25 |
| Chloromethane | 3.75 | 3.53 | 3.42 | 94.1 | 91.2 | 70.0-130 | | | 3.17 | 25 |
| 2-Chlorotoluene | 3.75 | 3.45 | 3.52 | 92.0 | 93.9 | 70.0-130 | | | 2.01 | 25 |
| Cyclohexane | 3.75 | 3.44 | 3.43 | 91.7 | 91.5 | 70.0-130 | | | 0.291 | 25 |
| Dibromochloromethane | 3.75 | 3.53 | 3.55 | 94.1 | 94.7 | 70.0-130 | | | 0.565 | 25 |
| 1,2-Dibromoethane | 3.75 | 3.63 | 3.71 | 96.8 | 98.9 | 70.0-130 | | | 2.18 | 25 |
| 1,2-Dichlorobenzene | 3.75 | 3.59 | 3.59 | 95.7 | 95.7 | 70.0-130 | | | 0.000 | 25 |
| 1,3-Dichlorobenzene | 3.75 | 3.66 | 3.67 | 97.6 | 97.9 | 70.0-130 | | | 0.273 | 25 |
| 1,4-Dichlorobenzene | 3.75 | 3.72 | 3.72 | 99.2 | 99.2 | 70.0-130 | | | 0.000 | 25 |
| 1,2-Dichloroethane | 3.75 | 3.55 | 3.56 | 94.7 | 94.9 | 70.0-130 | | | 0.281 | 25 |
| 1,1-Dichloroethane | 3.75 | 3.58 | 3.57 | 95.5 | 95.2 | 70.0-130 | | | 0.280 | 25 |
| 1,1-Dichloroethene | 3.75 | 3.54 | 3.46 | 94.4 | 92.3 | 70.0-130 | | | 2.29 | 25 |
| cis-1,2-Dichloroethene | 3.75 | 3.49 | 3.54 | 93.1 | 94.4 | 70.0-130 | | | 1.42 | 25 |
| trans-1,2-Dichloroethene | 3.75 | 3.47 | 3.53 | 92.5 | 94.1 | 70.0-130 | | | 1.71 | 25 |
| 1,2-Dichloropropane | 3.75 | 3.42 | 3.41 | 91.2 | 90.9 | 70.0-130 | | | 0.293 | 25 |
| cis-1,3-Dichloropropene | 3.75 | 3.56 | 3.48 | 94.9 | 92.8 | 70.0-130 | | | 2.27 | 25 |
| trans-1,3-Dichloropropene | 3.75 | 3.52 | 3.74 | 93.9 | 99.7 | 70.0-130 | | | 6.06 | 25 |
| 1,4-Dioxane | 3.75 | 3.49 | 3.58 | 93.1 | 95.5 | 70.0-140 | | | 2.55 | 25 |
| Ethanol | 3.75 | 3.13 | 3.05 | 83.5 | 81.3 | 55.0-148 | | | 2.59 | 25 |
| Ethylbenzene | 3.75 | 3.43 | 3.47 | 91.5 | 92.5 | 70.0-130 | | | 1.16 | 25 |
| 4-Ethyltoluene | 3.75 | 3.75 | 3.79 | 100 | 101 | 70.0-130 | | | 1.06 | 25 |
| Trichlorofluoromethane | 3.75 | 3.58 | 3.61 | 95.5 | 96.3 | 70.0-130 | | | 0.834 | 25 |
| Dichlorodifluoromethane | 3.75 | 3.58 | 3.50 | 95.5 | 93.3 | 64.0-139 | | | 2.26 | 25 |
| 1,1,2-Trichlorotrifluoroethane | 3.75 | 3.55 | 3.54 | 94.7 | 94.4 | 70.0-130 | | | 0.282 | 25 |
| 1,2-Dichlorotetrafluoroethane | 3.75 | 3.59 | 3.50 | 95.7 | 93.3 | 70.0-130 | | | 2.54 | 25 |
| Heptane | 3.75 | 3.45 | 3.47 | 92.0 | 92.5 | 70.0-130 | | | 0.578 | 25 |
| Hexachloro-1,3-butadiene | 3.75 | 3.53 | 3.43 | 94.1 | 91.5 | 70.0-151 | | | 2.87 | 25 |
| n-Hexane | 3.75 | 3.43 | 3.39 | 91.5 | 90.4 | 70.0-130 | | | 1.17 | 25 |
| Isopropylbenzene | 3.75 | 3.47 | 3.52 | 92.5 | 93.9 | 70.0-130 | | | 1.43 | 25 |
| Methylene Chloride | 3.75 | 3.30 | 3.19 | 88.0 | 85.1 | 70.0-130 | | | 3.39 | 25 |
| Methyl Butyl Ketone | 3.75 | 3.66 | 3.68 | 97.6 | 98.1 | 70.0-149 | | | 0.545 | 25 |
| 2-Butanone (MEK) | 3.75 | 3.53 | 3.53 | 94.1 | 94.1 | 70.0-130 | | | 0.000 | 25 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4177872-1 02/16/25 09:27 • (LCSD) R4177872-2 02/16/25 09:59

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 4-Methyl-2-pentanone (MIBK) | 3.75 | 3.59 | 3.55 | 95.7 | 94.7 | 70.0-139 | | | 1.12 | 25 |
| Methyl methacrylate | 3.75 | 3.73 | 3.69 | 99.5 | 98.4 | 70.0-130 | | | 1.08 | 25 |
| MTBE | 3.75 | 3.50 | 3.51 | 93.3 | 93.6 | 70.0-130 | | | 0.285 | 25 |
| Naphthalene | 3.75 | 4.05 | 4.05 | 108 | 108 | 70.0-159 | | | 0.000 | 25 |
| 2-Propanol | 3.75 | 3.28 | 3.34 | 87.5 | 89.1 | 70.0-139 | | | 1.81 | 25 |
| Propene | 3.75 | 3.32 | 3.45 | 88.5 | 92.0 | 64.0-144 | | | 3.84 | 25 |
| Styrene | 7.50 | 7.40 | 7.47 | 98.7 | 99.6 | 70.0-130 | | | 0.941 | 25 |
| 1,1,2,2-Tetrachloroethane | 3.75 | 3.48 | 3.49 | 92.8 | 93.1 | 70.0-130 | | | 0.287 | 25 |
| Tetrahydrofuran | 3.75 | 3.42 | 3.48 | 91.2 | 92.8 | 70.0-137 | | | 1.74 | 25 |
| Toluene | 3.75 | 3.47 | 3.46 | 92.5 | 92.3 | 70.0-130 | | | 0.289 | 25 |
| 1,2,4-Trichlorobenzene | 3.75 | 3.44 | 3.45 | 91.7 | 92.0 | 70.0-160 | | | 0.290 | 25 |
| 1,1,1-Trichloroethane | 3.75 | 3.56 | 3.63 | 94.9 | 96.8 | 70.0-130 | | | 1.95 | 25 |
| 1,1,2-Trichloroethane | 3.75 | 3.68 | 3.64 | 98.1 | 97.1 | 70.0-130 | | | 1.09 | 25 |
| Trichloroethylene | 3.75 | 3.49 | 3.51 | 93.1 | 93.6 | 70.0-130 | | | 0.571 | 25 |
| 1,2,4-Trimethylbenzene | 3.75 | 3.73 | 3.71 | 99.5 | 98.9 | 70.0-130 | | | 0.538 | 25 |
| 1,3,5-Trimethylbenzene | 3.75 | 3.72 | 3.71 | 99.2 | 98.9 | 70.0-130 | | | 0.269 | 25 |
| 2,2,4-Trimethylpentane | 3.75 | 3.45 | 3.53 | 92.0 | 94.1 | 70.0-130 | | | 2.29 | 25 |
| Vinyl chloride | 3.75 | 3.54 | 3.44 | 94.4 | 91.7 | 70.0-130 | | | 2.87 | 25 |
| Vinyl Bromide | 3.75 | 3.61 | 3.56 | 96.3 | 94.9 | 70.0-130 | | | 1.39 | 25 |
| Vinyl acetate | 3.75 | 2.96 | 3.15 | 78.9 | 84.0 | 70.0-130 | | | 6.22 | 25 |
| Xylenes, Total | 11.3 | 10.6 | 10.6 | 93.8 | 93.8 | 70.0-130 | | | 0.000 | 25 |
| m&p-Xylene | 7.50 | 7.04 | 7.01 | 93.9 | 93.5 | 70.0-130 | | | 0.427 | 25 |
| o-Xylene | 3.75 | 3.55 | 3.57 | 94.7 | 95.2 | 70.0-130 | | | 0.562 | 25 |
| TPH (GC/MS) Low Fraction | 188 | 168 | 170 | 89.4 | 90.4 | 70.0-130 | | | 1.18 | 25 |
| (S) 1,4-Bromofluorobenzene | | | | 102 | 101 | 60.0-140 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4178400-3 02/19/25 10:38

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------------------------|-----------|--------------|--------|----------|
| | ppbv | | ppbv | ppbv |
| Tetrachloroethylene | U | | 0.111 | 0.200 |
| <i>(S) 1,4-Bromofluorobenzene</i> | 88.5 | | | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178400-1 02/19/25 09:21 • (LCSD) R4178400-2 02/19/25 10:00

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|-----------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | ppbv | ppbv | ppbv | % | % | % | | | % | % |
| Tetrachloroethylene | 3.75 | 4.39 | 4.42 | 117 | 118 | 70.0-130 | | | 0.681 | 25 |
| <i>(S) 1,4-Bromofluorobenzene</i> | | | | 98.7 | 98.3 | 60.0-140 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4178377-3 02/19/25 11:08

| Analyte | MB Result ppbv | MB Qualifier | MB MDL ppbv | MB RDL ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.110 | 0.200 |
| Benzyl Chloride | U | | 0.0888 | 0.200 |
| Bromodichloromethane | U | | 0.0695 | 0.200 |
| Bromoform | U | | 0.0755 | 0.630 |
| Chlorobenzene | U | | 0.118 | 0.200 |
| 2-Chlorotoluene | U | | 0.0787 | 0.200 |
| Dibromochloromethane | U | | 0.0696 | 0.200 |
| 1,2-Dibromoethane | U | | 0.0690 | 0.200 |
| 1,2-Dichlorobenzene | U | | 0.0734 | 0.200 |
| 1,3-Dichlorobenzene | U | | 0.0753 | 0.200 |
| 1,4-Dichlorobenzene | U | | 0.0768 | 0.200 |
| 1,2-Dichloroethane | U | | 0.0730 | 0.200 |
| 1,2-Dichloropropane | U | | 0.0752 | 0.200 |
| cis-1,3-Dichloropropene | U | | 0.0743 | 0.200 |
| trans-1,3-Dichloropropene | U | | 0.0795 | 0.200 |
| 1,4-Dioxane | U | | 0.164 | 0.630 |
| Ethylbenzene | U | | 0.0778 | 0.200 |
| 4-Ethyltoluene | U | | 0.0887 | 0.200 |
| Heptane | U | | 0.114 | 0.200 |
| Hexachloro-1,3-butadiene | U | | 0.0800 | 0.630 |
| n-Hexane | U | | 0.143 | 0.630 |
| Isopropylbenzene | U | | 0.0722 | 0.200 |
| Methyl Butyl Ketone | U | | 0.133 | 1.25 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.106 | 1.25 |
| Methyl methacrylate | U | | 0.169 | 0.200 |
| Naphthalene | U | | 0.617 | 0.630 |
| Styrene | U | | 0.0802 | 0.400 |
| 1,1,2,2-Tetrachloroethane | U | | 0.0695 | 0.200 |
| Tetrachloroethylene | U | | 0.111 | 0.200 |
| Toluene | U | | 0.130 | 0.500 |
| 1,2,4-Trichlorobenzene | U | | 0.462 | 0.630 |
| 1,1,2-Trichloroethane | U | | 0.0683 | 0.200 |
| Trichloroethylene | U | | 0.0680 | 0.200 |
| 1,2,4-Trimethylbenzene | U | | 0.0927 | 0.200 |
| 1,3,5-Trimethylbenzene | U | | 0.0853 | 0.200 |
| 2,2,4-Trimethylpentane | U | | 0.0898 | 0.200 |
| Xylenes, Total | U | | 0.0887 | 0.600 |
| m&p-Xylene | U | | 0.174 | 0.400 |
| o-Xylene | U | | 0.0887 | 0.200 |
| (S) 1,4-Bromofluorobenzene | 96.6 | | | 60.0-140 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178377-1 02/19/25 09:33 • (LCSD) R4178377-2 02/19/25 10:22

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 3.75 | 3.57 | 3.52 | 95.2 | 93.9 | 70.0-130 | | | 1.41 | 25 |
| Benzyl Chloride | 3.75 | 3.54 | 3.53 | 94.4 | 94.1 | 70.0-152 | | | 0.283 | 25 |
| Bromodichloromethane | 3.75 | 3.59 | 3.64 | 95.7 | 97.1 | 70.0-130 | | | 1.38 | 25 |
| Bromoform | 3.75 | 3.52 | 3.40 | 93.9 | 90.7 | 70.0-130 | | | 3.47 | 25 |
| Chlorobenzene | 3.75 | 3.59 | 3.66 | 95.7 | 97.6 | 70.0-130 | | | 1.93 | 25 |
| 2-Chlorotoluene | 3.75 | 3.79 | 3.70 | 101 | 98.7 | 70.0-130 | | | 2.40 | 25 |
| Dibromochloromethane | 3.75 | 3.59 | 3.66 | 95.7 | 97.6 | 70.0-130 | | | 1.93 | 25 |
| 1,2-Dibromoethane | 3.75 | 3.47 | 3.64 | 92.5 | 97.1 | 70.0-130 | | | 4.78 | 25 |
| 1,2-Dichlorobenzene | 3.75 | 3.73 | 3.76 | 99.5 | 100 | 70.0-130 | | | 0.801 | 25 |
| 1,3-Dichlorobenzene | 3.75 | 3.67 | 3.67 | 97.9 | 97.9 | 70.0-130 | | | 0.000 | 25 |
| 1,4-Dichlorobenzene | 3.75 | 3.74 | 3.64 | 99.7 | 97.1 | 70.0-130 | | | 2.71 | 25 |
| 1,2-Dichloroethane | 3.75 | 3.85 | 3.73 | 103 | 99.5 | 70.0-130 | | | 3.17 | 25 |
| 1,2-Dichloropropane | 3.75 | 3.42 | 3.47 | 91.2 | 92.5 | 70.0-130 | | | 1.45 | 25 |
| cis-1,3-Dichloropropene | 3.75 | 3.43 | 3.53 | 91.5 | 94.1 | 70.0-130 | | | 2.87 | 25 |
| trans-1,3-Dichloropropene | 3.75 | 3.59 | 3.76 | 95.7 | 100 | 70.0-130 | | | 4.63 | 25 |
| 1,4-Dioxane | 3.75 | 3.61 | 3.61 | 96.3 | 96.3 | 70.0-140 | | | 0.000 | 25 |
| Ethylbenzene | 3.75 | 3.66 | 3.63 | 97.6 | 96.8 | 70.0-130 | | | 0.823 | 25 |
| 4-Ethyltoluene | 3.75 | 3.76 | 3.74 | 100 | 99.7 | 70.0-130 | | | 0.533 | 25 |
| Heptane | 3.75 | 3.66 | 3.61 | 97.6 | 96.3 | 70.0-130 | | | 1.38 | 25 |
| Hexachloro-1,3-butadiene | 3.75 | 3.71 | 3.75 | 98.9 | 100 | 70.0-151 | | | 1.07 | 25 |
| n-Hexane | 3.75 | 3.51 | 3.53 | 93.6 | 94.1 | 70.0-130 | | | 0.568 | 25 |
| Isopropylbenzene | 3.75 | 3.83 | 3.66 | 102 | 97.6 | 70.0-130 | | | 4.54 | 25 |
| Methyl Butyl Ketone | 3.75 | 3.32 | 3.33 | 88.5 | 88.8 | 70.0-149 | | | 0.301 | 25 |
| 4-Methyl-2-pentanone (MIBK) | 3.75 | 3.47 | 3.55 | 92.5 | 94.7 | 70.0-139 | | | 2.28 | 25 |
| Methyl methacrylate | 3.75 | 3.54 | 3.71 | 94.4 | 98.9 | 70.0-130 | | | 4.69 | 25 |
| Naphthalene | 3.75 | 3.42 | 3.46 | 91.2 | 92.3 | 70.0-159 | | | 1.16 | 25 |
| Styrene | 7.50 | 7.95 | 7.67 | 106 | 102 | 70.0-130 | | | 3.59 | 25 |
| 1,1,2,2-Tetrachloroethane | 3.75 | 3.44 | 3.37 | 91.7 | 89.9 | 70.0-130 | | | 2.06 | 25 |
| Tetrachloroethylene | 3.75 | 3.62 | 3.69 | 96.5 | 98.4 | 70.0-130 | | | 1.92 | 25 |
| Toluene | 3.75 | 3.61 | 3.66 | 96.3 | 97.6 | 70.0-130 | | | 1.38 | 25 |
| 1,2,4-Trichlorobenzene | 3.75 | 3.04 | 3.22 | 81.1 | 85.9 | 70.0-160 | | | 5.75 | 25 |
| 1,1,2-Trichloroethane | 3.75 | 3.54 | 3.57 | 94.4 | 95.2 | 70.0-130 | | | 0.844 | 25 |
| Trichloroethylene | 3.75 | 3.52 | 3.52 | 93.9 | 93.9 | 70.0-130 | | | 0.000 | 25 |
| 1,2,4-Trimethylbenzene | 3.75 | 3.86 | 3.88 | 103 | 103 | 70.0-130 | | | 0.517 | 25 |
| 1,3,5-Trimethylbenzene | 3.75 | 3.84 | 3.80 | 102 | 101 | 70.0-130 | | | 1.05 | 25 |
| 2,2,4-Trimethylpentane | 3.75 | 3.50 | 3.48 | 93.3 | 92.8 | 70.0-130 | | | 0.573 | 25 |
| Xylenes, Total | 11.3 | 11.4 | 11.1 | 101 | 98.2 | 70.0-130 | | | 2.67 | 25 |
| m&p-Xylene | 7.50 | 7.60 | 7.43 | 101 | 99.1 | 70.0-130 | | | 2.26 | 25 |
| o-Xylene | 3.75 | 3.82 | 3.68 | 102 | 98.1 | 70.0-130 | | | 3.73 | 25 |
| (S) 1,4-Bromofluorobenzene | | | | 99.2 | 97.6 | 60.0-140 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4178428-3 02/19/25 11:28

| Analyte | MB Result ppbv | MB Qualifier | MB MDL ppbv | MB RDL ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone | U | | 0.520 | 1.25 |
| Allyl chloride | U | | 0.186 | 0.200 |
| Benzene | U | | 0.110 | 0.200 |
| Benzyl Chloride | U | | 0.0888 | 0.200 |
| Bromodichloromethane | U | | 0.0695 | 0.200 |
| Bromoform | U | | 0.0755 | 0.630 |
| Bromomethane | U | | 0.0938 | 0.200 |
| 1,3-Butadiene | U | | 0.158 | 2.00 |
| Carbon disulfide | U | | 0.160 | 0.400 |
| Carbon tetrachloride | U | | 0.0746 | 0.200 |
| Chlorobenzene | U | | 0.118 | 0.200 |
| Chloroethane | U | | 0.110 | 0.200 |
| Chloroform | U | | 0.104 | 0.200 |
| Chloromethane | U | | 0.110 | 0.200 |
| 2-Chlorotoluene | U | | 0.0787 | 0.200 |
| Cyclohexane | U | | 0.170 | 0.200 |
| Dibromochloromethane | U | | 0.0696 | 0.200 |
| 1,2-Dibromoethane | U | | 0.0690 | 0.200 |
| 1,2-Dichlorobenzene | U | | 0.0734 | 0.200 |
| 1,3-Dichlorobenzene | U | | 0.0753 | 0.200 |
| 1,4-Dichlorobenzene | U | | 0.0768 | 0.200 |
| 1,2-Dichloroethane | U | | 0.0730 | 0.200 |
| 1,1-Dichloroethane | U | | 0.0710 | 0.200 |
| 1,1-Dichloroethene | U | | 0.0747 | 0.200 |
| cis-1,2-Dichloroethene | U | | 0.0796 | 0.200 |
| trans-1,2-Dichloroethene | U | | 0.0735 | 0.200 |
| 1,2-Dichloropropane | U | | 0.0752 | 0.200 |
| cis-1,3-Dichloropropene | U | | 0.0743 | 0.200 |
| trans-1,3-Dichloropropene | U | | 0.0795 | 0.200 |
| 1,4-Dioxane | U | | 0.164 | 0.630 |
| Ethanol | U | | 2.37 | 2.50 |
| Ethylbenzene | U | | 0.0778 | 0.200 |
| 4-Ethyltoluene | U | | 0.0887 | 0.200 |
| Trichlorofluoromethane | U | | 0.0771 | 0.200 |
| Dichlorodifluoromethane | U | | 0.0806 | 0.200 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.0751 | 0.200 |
| 1,2-Dichlorotetrafluoroethane | U | | 0.0756 | 0.200 |
| Heptane | U | | 0.114 | 0.200 |
| Hexachloro-1,3-butadiene | U | | 0.0800 | 0.630 |
| Isopropylbenzene | U | | 0.0722 | 0.200 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4178428-3 02/19/25 11:28

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------------------|-----------|--------------|--------|----------|
| | ppbv | | ppbv | ppbv |
| Methylene Chloride | U | | 0.169 | 0.200 |
| Methyl Butyl Ketone | U | | 0.133 | 1.25 |
| 2-Butanone (MEK) | U | | 0.116 | 1.25 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.106 | 1.25 |
| Methyl methacrylate | U | | 0.169 | 0.200 |
| MTBE | U | | 0.0813 | 0.200 |
| Naphthalene | U | | 0.617 | 0.630 |
| 2-Propanol | U | | 0.680 | 1.25 |
| Propene | U | | 0.214 | 1.25 |
| Styrene | U | | 0.0802 | 0.400 |
| 1,1,2,2-Tetrachloroethane | U | | 0.0695 | 0.200 |
| Tetrachloroethylene | U | | 0.111 | 0.200 |
| Tetrahydrofuran | U | | 0.164 | 0.200 |
| Toluene | U | | 0.130 | 0.500 |
| 1,2,4-Trichlorobenzene | U | | 0.462 | 0.630 |
| 1,1,1-Trichloroethane | U | | 0.0718 | 0.200 |
| 1,1,2-Trichloroethane | U | | 0.0683 | 0.200 |
| Trichloroethylene | U | | 0.0680 | 0.200 |
| 1,2,4-Trimethylbenzene | U | | 0.0927 | 0.200 |
| 1,3,5-Trimethylbenzene | U | | 0.0853 | 0.200 |
| 2,2,4-Trimethylpentane | U | | 0.0898 | 0.200 |
| Vinyl chloride | U | | 0.0826 | 0.200 |
| Vinyl Bromide | U | | 0.0749 | 0.200 |
| Vinyl acetate | U | | 0.0968 | 0.630 |
| Xylenes, Total | U | | 0.0887 | 0.600 |
| m&p-Xylene | U | | 0.174 | 0.400 |
| o-Xylene | U | | 0.0887 | 0.200 |
| TPH (GC/MS) Low Fraction | U | | 68.3 | 200 |
| (S) 1,4-Bromofluorobenzene | 94.2 | | | 60.0-140 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1826382-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1826382-12 02/19/25 16:19 • (DUP) R4178428-4 02/19/25 17:07

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| | ppbv | ppbv | | % | | % |
| Acetone | ND | 1.35 | 1 | 10.9 | | 25 |
| Allyl chloride | ND | ND | 1 | 0.000 | | 25 |
| Benzene | ND | ND | 1 | 0.000 | | 25 |
| Benzyl Chloride | ND | ND | 1 | 0.000 | | 25 |

L1826382-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1826382-12 02/19/25 16:19 • (DUP) R4178428-4 02/19/25 17:07

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------------------------|-----------------|------------|----------|---------|---------------|----------------|
| | ppbv | ppbv | | % | | % |
| Bromodichloromethane | ND | ND | 1 | 0.000 | | 25 |
| Bromoform | ND | ND | 1 | 0.000 | | 25 |
| Bromomethane | ND | ND | 1 | 0.000 | | 25 |
| 1,3-Butadiene | ND | ND | 1 | 0.000 | | 25 |
| Carbon disulfide | ND | ND | 1 | 0.000 | | 25 |
| Carbon tetrachloride | ND | ND | 1 | 0.000 | | 25 |
| Chlorobenzene | ND | ND | 1 | 0.000 | | 25 |
| Chloroethane | ND | ND | 1 | 0.000 | | 25 |
| Chloroform | ND | ND | 1 | 0.000 | | 25 |
| Chloromethane | ND | ND | 1 | 0.000 | | 25 |
| 2-Chlorotoluene | ND | ND | 1 | 0.000 | | 25 |
| Cyclohexane | ND | ND | 1 | 0.000 | | 25 |
| Dibromochloromethane | ND | ND | 1 | 0.000 | | 25 |
| 1,2-Dibromoethane | ND | ND | 1 | 0.000 | | 25 |
| 1,2-Dichlorobenzene | ND | ND | 1 | 0.000 | | 25 |
| 1,3-Dichlorobenzene | ND | ND | 1 | 0.000 | | 25 |
| 1,4-Dichlorobenzene | ND | ND | 1 | 0.000 | | 25 |
| 1,2-Dichloroethane | ND | ND | 1 | 0.000 | | 25 |
| 1,1-Dichloroethane | ND | ND | 1 | 0.000 | | 25 |
| 1,1-Dichloroethene | ND | ND | 1 | 0.000 | | 25 |
| cis-1,2-Dichloroethene | ND | ND | 1 | 0.000 | | 25 |
| trans-1,2-Dichloroethene | ND | ND | 1 | 0.000 | | 25 |
| 1,2-Dichloropropane | ND | ND | 1 | 0.000 | | 25 |
| cis-1,3-Dichloropropene | ND | ND | 1 | 0.000 | | 25 |
| trans-1,3-Dichloropropene | ND | ND | 1 | 0.000 | | 25 |
| 1,4-Dioxane | ND | ND | 1 | 0.000 | | 25 |
| Ethanol | 10.8 | 15.4 | 1 | 35.1 | | 25 |
| Ethylbenzene | ND | ND | 1 | 0.000 | | 25 |
| 4-Ethyltoluene | ND | ND | 1 | 0.000 | | 25 |
| Trichlorofluoromethane | 0.298 | 0.289 | 1 | 3.07 | | 25 |
| Dichlorodifluoromethane | 0.468 | 0.468 | 1 | 0.000 | | 25 |
| 1,1,2-Trichlorotrifluoroethane | ND | ND | 1 | 0.000 | | 25 |
| 1,2-Dichlorotetrafluoroethane | 0.631 | 0.613 | 1 | 2.89 | | 25 |
| Heptane | ND | ND | 1 | 0.000 | | 25 |
| Hexachloro-1,3-butadiene | ND | ND | 1 | 0.000 | | 25 |
| Isopropylbenzene | ND | ND | 1 | 0.000 | | 25 |
| Methylene Chloride | 0.364 | 0.426 | 1 | 15.7 | | 25 |
| Methyl Butyl Ketone | ND | ND | 1 | 0.000 | | 25 |
| 2-Butanone (MEK) | ND | ND | 1 | 0.000 | | 25 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1826382-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1826382-12 02/19/25 16:19 • (DUP) R4178428-4 02/19/25 17:07

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------------------|-----------------|------------|----------|---------|---------------|----------------|
| | ppbv | ppbv | | % | | % |
| 4-Methyl-2-pentanone (MIBK) | ND | ND | 1 | 0.000 | | 25 |
| Methyl methacrylate | ND | ND | 1 | 0.000 | | 25 |
| MTBE | ND | ND | 1 | 0.000 | | 25 |
| Naphthalene | ND | ND | 1 | 0.000 | | 25 |
| 2-Propanol | 1.66 | 1.98 | 1 | 17.6 | | 25 |
| Propene | ND | ND | 1 | 0.000 | | 25 |
| Styrene | ND | ND | 1 | 0.000 | | 25 |
| 1,1,2,2-Tetrachloroethane | ND | ND | 1 | 0.000 | | 25 |
| Tetrachloroethylene | ND | ND | 1 | 0.000 | | 25 |
| Tetrahydrofuran | ND | ND | 1 | 0.000 | | 25 |
| Toluene | ND | ND | 1 | 1.08 | | 25 |
| 1,2,4-Trichlorobenzene | ND | ND | 1 | 0.000 | | 25 |
| 1,1,1-Trichloroethane | ND | ND | 1 | 0.000 | | 25 |
| 1,1,2-Trichloroethane | ND | ND | 1 | 0.000 | | 25 |
| Trichloroethylene | ND | ND | 1 | 0.000 | | 25 |
| 1,2,4-Trimethylbenzene | ND | ND | 1 | 5.13 | | 25 |
| 1,3,5-Trimethylbenzene | ND | ND | 1 | 0.000 | | 25 |
| 2,2,4-Trimethylpentane | 0.233 | 0.239 | 1 | 2.54 | | 25 |
| Vinyl chloride | ND | ND | 1 | 0.000 | | 25 |
| Vinyl Bromide | ND | ND | 1 | 0.000 | | 25 |
| Vinyl acetate | ND | ND | 1 | 0.000 | | 25 |
| Xylenes, Total | ND | ND | 1 | 200 | P1 | 25 |
| m&p-Xylene | ND | ND | 1 | 7.60 | | 25 |
| o-Xylene | ND | ND | 1 | 16.9 | | 25 |
| TPH (GC/MS) Low Fraction | ND | ND | 1 | 200 | P1 | 25 |
| (S) 1,4-Bromofluorobenzene | | 97.4 | | | | 60.0-140 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178428-1 02/19/25 09:50 • (LCSD) R4178428-2 02/19/25 10:40

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | ppbv | ppbv | ppbv | % | % | % | | | % | % |
| Acetone | 3.75 | 3.57 | 3.63 | 95.2 | 96.8 | 70.0-130 | | | 1.67 | 25 |
| Allyl chloride | 3.75 | 3.75 | 3.87 | 100 | 103 | 70.0-130 | | | 3.15 | 25 |
| Benzene | 3.75 | 3.83 | 3.94 | 102 | 105 | 70.0-130 | | | 2.83 | 25 |
| Benzyl Chloride | 3.75 | 3.50 | 3.42 | 93.3 | 91.2 | 70.0-152 | | | 2.31 | 25 |
| Bromodichloromethane | 3.75 | 3.70 | 3.73 | 98.7 | 99.5 | 70.0-130 | | | 0.808 | 25 |
| Bromoform | 3.75 | 3.45 | 3.47 | 92.0 | 92.5 | 70.0-130 | | | 0.578 | 25 |
| Bromomethane | 3.75 | 3.64 | 3.60 | 97.1 | 96.0 | 70.0-130 | | | 1.10 | 25 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178428-1 02/19/25 09:50 • (LCSD) R4178428-2 02/19/25 10:40

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,3-Butadiene | 3.75 | 3.17 | 3.40 | 84.5 | 90.7 | 70.0-130 | | | 7.00 | 25 |
| Carbon disulfide | 7.50 | 7.69 | 7.76 | 103 | 103 | 70.0-130 | | | 0.906 | 25 |
| Carbon tetrachloride | 3.75 | 3.70 | 3.76 | 98.7 | 100 | 70.0-130 | | | 1.61 | 25 |
| Chlorobenzene | 3.75 | 3.85 | 3.92 | 103 | 105 | 70.0-130 | | | 1.80 | 25 |
| Chloroethane | 3.75 | 3.83 | 3.73 | 102 | 99.5 | 70.0-130 | | | 2.65 | 25 |
| Chloroform | 3.75 | 3.72 | 3.79 | 99.2 | 101 | 70.0-130 | | | 1.86 | 25 |
| Chloromethane | 3.75 | 3.74 | 3.76 | 99.7 | 100 | 70.0-130 | | | 0.533 | 25 |
| 2-Chlorotoluene | 3.75 | 3.72 | 3.71 | 99.2 | 98.9 | 70.0-130 | | | 0.269 | 25 |
| Cyclohexane | 3.75 | 3.73 | 3.82 | 99.5 | 102 | 70.0-130 | | | 2.38 | 25 |
| Dibromochloromethane | 3.75 | 3.68 | 3.78 | 98.1 | 101 | 70.0-130 | | | 2.68 | 25 |
| 1,2-Dibromoethane | 3.75 | 3.79 | 3.86 | 101 | 103 | 70.0-130 | | | 1.83 | 25 |
| 1,2-Dichlorobenzene | 3.75 | 3.72 | 3.66 | 99.2 | 97.6 | 70.0-130 | | | 1.63 | 25 |
| 1,3-Dichlorobenzene | 3.75 | 3.70 | 3.69 | 98.7 | 98.4 | 70.0-130 | | | 0.271 | 25 |
| 1,4-Dichlorobenzene | 3.75 | 3.75 | 3.72 | 100 | 99.2 | 70.0-130 | | | 0.803 | 25 |
| 1,2-Dichloroethane | 3.75 | 3.69 | 3.71 | 98.4 | 98.9 | 70.0-130 | | | 0.541 | 25 |
| 1,1-Dichloroethane | 3.75 | 3.81 | 3.85 | 102 | 103 | 70.0-130 | | | 1.04 | 25 |
| 1,1-Dichloroethene | 3.75 | 3.74 | 3.80 | 99.7 | 101 | 70.0-130 | | | 1.59 | 25 |
| cis-1,2-Dichloroethene | 3.75 | 3.80 | 3.84 | 101 | 102 | 70.0-130 | | | 1.05 | 25 |
| trans-1,2-Dichloroethene | 3.75 | 3.82 | 3.83 | 102 | 102 | 70.0-130 | | | 0.261 | 25 |
| 1,2-Dichloropropane | 3.75 | 3.87 | 3.90 | 103 | 104 | 70.0-130 | | | 0.772 | 25 |
| cis-1,3-Dichloropropene | 3.75 | 3.77 | 3.79 | 101 | 101 | 70.0-130 | | | 0.529 | 25 |
| trans-1,3-Dichloropropene | 3.75 | 3.68 | 3.71 | 98.1 | 98.9 | 70.0-130 | | | 0.812 | 25 |
| 1,4-Dioxane | 3.75 | 3.59 | 3.70 | 95.7 | 98.7 | 70.0-140 | | | 3.02 | 25 |
| Ethanol | 3.75 | 3.45 | 3.47 | 92.0 | 92.5 | 55.0-148 | | | 0.578 | 25 |
| Ethylbenzene | 3.75 | 3.76 | 3.82 | 100 | 102 | 70.0-130 | | | 1.58 | 25 |
| 4-Ethyltoluene | 3.75 | 3.66 | 3.67 | 97.6 | 97.9 | 70.0-130 | | | 0.273 | 25 |
| Trichlorofluoromethane | 3.75 | 3.69 | 3.73 | 98.4 | 99.5 | 70.0-130 | | | 1.08 | 25 |
| Dichlorodifluoromethane | 3.75 | 3.68 | 3.64 | 98.1 | 97.1 | 64.0-139 | | | 1.09 | 25 |
| 1,1,2-Trichlorotrifluoroethane | 3.75 | 3.80 | 3.85 | 101 | 103 | 70.0-130 | | | 1.31 | 25 |
| 1,2-Dichlorotetrafluoroethane | 3.75 | 3.99 | 3.97 | 106 | 106 | 70.0-130 | | | 0.503 | 25 |
| Heptane | 3.75 | 3.77 | 3.87 | 101 | 103 | 70.0-130 | | | 2.62 | 25 |
| Hexachloro-1,3-butadiene | 3.75 | 3.75 | 3.73 | 100 | 99.5 | 70.0-151 | | | 0.535 | 25 |
| Isopropylbenzene | 3.75 | 3.77 | 3.68 | 101 | 98.1 | 70.0-130 | | | 2.42 | 25 |
| Methylene Chloride | 3.75 | 3.70 | 3.75 | 98.7 | 100 | 70.0-130 | | | 1.34 | 25 |
| Methyl Butyl Ketone | 3.75 | 3.55 | 3.52 | 94.7 | 93.9 | 70.0-149 | | | 0.849 | 25 |
| 2-Butanone (MEK) | 3.75 | 3.78 | 3.84 | 101 | 102 | 70.0-130 | | | 1.57 | 25 |
| 4-Methyl-2-pentanone (MIBK) | 3.75 | 3.56 | 3.61 | 94.9 | 96.3 | 70.0-139 | | | 1.39 | 25 |
| Methyl methacrylate | 3.75 | 3.44 | 3.62 | 91.7 | 96.5 | 70.0-130 | | | 5.10 | 25 |
| MTBE | 3.75 | 3.73 | 3.78 | 99.5 | 101 | 70.0-130 | | | 1.33 | 25 |
| Naphthalene | 3.75 | 3.70 | 3.76 | 98.7 | 100 | 70.0-159 | | | 1.61 | 25 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178428-1 02/19/25 09:50 • (LCSD) R4178428-2 02/19/25 10:40

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 2-Propanol | 3.75 | 3.65 | 3.61 | 97.3 | 96.3 | 70.0-139 | | | 1.10 | 25 |
| Propene | 3.75 | 3.56 | 3.60 | 94.9 | 96.0 | 64.0-144 | | | 1.12 | 25 |
| Styrene | 7.50 | 7.65 | 7.83 | 102 | 104 | 70.0-130 | | | 2.33 | 25 |
| 1,1,2,2-Tetrachloroethane | 3.75 | 3.66 | 3.58 | 97.6 | 95.5 | 70.0-130 | | | 2.21 | 25 |
| Tetrachloroethylene | 3.75 | 3.81 | 3.85 | 102 | 103 | 70.0-130 | | | 1.04 | 25 |
| Tetrahydrofuran | 3.75 | 3.70 | 3.74 | 98.7 | 99.7 | 70.0-137 | | | 1.08 | 25 |
| Toluene | 3.75 | 3.76 | 3.81 | 100 | 102 | 70.0-130 | | | 1.32 | 25 |
| 1,2,4-Trichlorobenzene | 3.75 | 3.77 | 3.79 | 101 | 101 | 70.0-160 | | | 0.529 | 25 |
| 1,1,1-Trichloroethane | 3.75 | 3.66 | 3.71 | 97.6 | 98.9 | 70.0-130 | | | 1.36 | 25 |
| 1,1,2-Trichloroethane | 3.75 | 3.79 | 3.84 | 101 | 102 | 70.0-130 | | | 1.31 | 25 |
| Trichloroethylene | 3.75 | 3.77 | 3.83 | 101 | 102 | 70.0-130 | | | 1.58 | 25 |
| 1,2,4-Trimethylbenzene | 3.75 | 3.71 | 3.64 | 98.9 | 97.1 | 70.0-130 | | | 1.90 | 25 |
| 1,3,5-Trimethylbenzene | 3.75 | 3.81 | 3.72 | 102 | 99.2 | 70.0-130 | | | 2.39 | 25 |
| 2,2,4-Trimethylpentane | 3.75 | 3.84 | 3.91 | 102 | 104 | 70.0-130 | | | 1.81 | 25 |
| Vinyl chloride | 3.75 | 3.44 | 3.64 | 91.7 | 97.1 | 70.0-130 | | | 5.65 | 25 |
| Vinyl Bromide | 3.75 | 3.66 | 3.66 | 97.6 | 97.6 | 70.0-130 | | | 0.000 | 25 |
| Vinyl acetate | 3.75 | 3.72 | 3.73 | 99.2 | 99.5 | 70.0-130 | | | 0.268 | 25 |
| Xylenes, Total | 11.3 | 11.3 | 11.5 | 100 | 102 | 70.0-130 | | | 1.75 | 25 |
| m&p-Xylene | 7.50 | 7.56 | 7.71 | 101 | 103 | 70.0-130 | | | 1.96 | 25 |
| o-Xylene | 3.75 | 3.74 | 3.77 | 99.7 | 101 | 70.0-130 | | | 0.799 | 25 |
| TPH (GC/MS) Low Fraction | 188 | 169 | 172 | 89.9 | 91.5 | 70.0-130 | | | 1.76 | 25 |
| (S) 1,4-Bromofluorobenzene | | | | 95.9 | 97.0 | 60.0-140 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4178586-3 02/20/25 10:27

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|----------|
| n-Hexane | U | | 0.143 | 0.630 |
| (S) 1,4-Bromofluorobenzene | 88.4 | | | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4178586-1 02/20/25 09:09 • (LCSD) R4178586-2 02/20/25 09:49

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| n-Hexane | 3.75 | 4.28 | 4.33 | 114 | 115 | 70.0-130 | | | 1.16 | 25 |
| (S) 1,4-Bromofluorobenzene | | | | 99.1 | 98.6 | 60.0-140 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

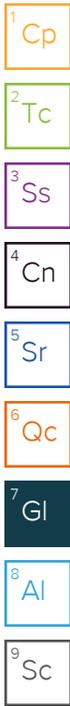
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |



ACCREDITATIONS & LOCATIONS

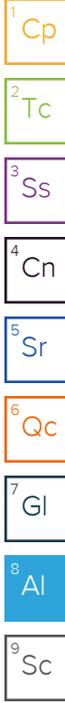
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Pace Pace® Location Requested (City/State): **Air CHAIN-OF-CUSTODY Analytical Request Document**
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **Engineering/Remediation Resources Group** Contact/Report To: **Jennifer Sonnichsen**
 Street Address: **15333 NE 90th Street** Phone #: **425-658-5026**
 City, State Zip: _____ E-Mail: **jennifer.sonnichsen@errg.com; spencer.slominski@errg.com; fernando.idiarte@errg.com**
 Customer Project #: **20230065** Invoice to: _____
 Project Name: **FORMER CIRCLE K 1461** Invoice E-Mail: _____
 Site Collection Info/Facility ID (as applicable): **ENGREMRWA-CIRCLE K** Purchase Order # (if applicable): _____
 Time Zone Collected: [] AK [x] PT [] MT [] CT [] ET Quote #: _____
 State origin of sample(s): **WA**

Data Deliverables: Regulatory Program (CAA, RCRA, etc.) as applicable: _____
 [] Level II [] Level III [] Level IV Rush (Pre-approval required): 2 Day 3 Day 5 Day Other _____
 [] EQUIS Date Results Requested: _____
 [] Other **EIM WA** Units for Reporting: **ug/m³** PPBV mg/m³ PPMV

* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

| Customer Sample ID | Matrix * | Summa Canister ID | Flow Controller ID | Begin Collection | | End Collection | | Start Pressure / Vacuum (in Hg) | End Pressure / Vacuum (in Hg) | Duration (minutes) | Flow Rate (m ³ /min or L/min) | Total Volume Sampled (m ³ or L) | TO-15 Summa | Sample Comment |
|-------------------------------|-----------|-------------------|--------------------|------------------|-------------|----------------|-------------|---------------------------------|-------------------------------|--------------------|--|--|-------------|---------------------|
| | | | | Date | Time | Date | Time | | | | | | | |
| FALCO-300-INF-20250213 | SV | 12314 | 29006 | 2/13 | 0930 | 2/13 | 0935 | 30 | 5 | | | | X | L14 27337-01 |
| FALCO-300-EFF-20250213 | SV | 7633 | 13601 | | 0940 | | 0945 | 28 | 4 | | | | X | 02 |
| VP-3-20250213 | SV | 12540 | 13901 | | 1020 | | 1025 | 28 | 4 | | | | X | 03 |
| VP-4-2025021 | SV | 23403 | 28915 | | 1030 | | 1035 | 28 | 4 | | | | X | 04 |

Customer Remarks / Special Conditions / Possible Hazards: _____
 Collected By: **ERRG FERNANDO IDIARTE**
 Printed Name: _____
 Signature: **[Signature]**
 Additional Instructions from Pace*: _____

Relinquished by/Company: (Signature) **[Signature] ERRG** Date/Time: **2/13/24 1140** Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____ Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____ Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____ Received by/Company: (Signature) _____ Date/Time: **02/15 0900**

Coolers: _____ Thermometer ID: _____ Correction Factor (°C): **AND** Obs. Temp. (°C): _____ Corrected Temp. (°C): _____
 Tracking Number: **4078 9209 0732**
 Delivered by: In-Person Courier
 [x] GEX [] UPS [] Other
 Page: **1** of: **1**

Sample Receipt Checklist
 COC Seal Present/Intact: **Y** N
 COC Signed/Accurate: **Y** N Size: **4** 1L 6L 1.4L
 Bottles arrive intact: **Y** N
 Correct bottles used: **Y** N Tare Color: **C** W **4** P **B**
 Unused: _____



Engineering/Remediation Resources Group

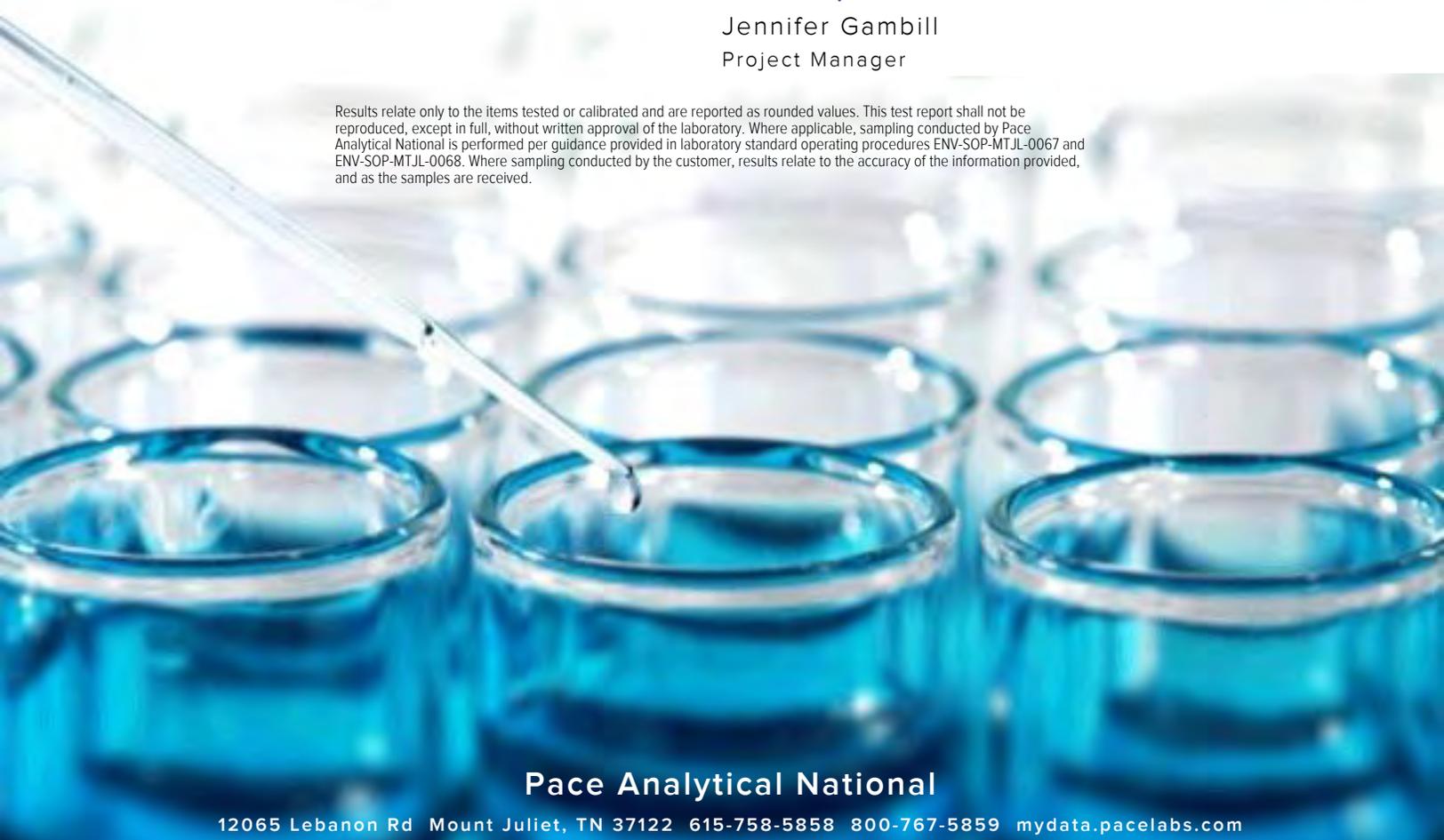
Sample Delivery Group: L1829173
Samples Received: 02/22/2025
Project Number: 20230065
Description: Former Cricle K 1461
Site: FORMER CIRCLE K 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

SAMPLE SUMMARY

RW-1 L1829173-01 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:12
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 13:33 | 02/25/25 13:33 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457157 | 1 | 02/24/25 19:58 | 02/24/25 19:58 | WHS | Mt. Juliet, TN |



MW-13 L1829173-02 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:13
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 10 | 02/25/25 16:39 | 02/25/25 16:39 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457157 | 50 | 02/24/25 22:09 | 02/24/25 22:09 | WHS | Mt. Juliet, TN |

MW-18 L1829173-03 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:35
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 13:55 | 02/25/25 13:55 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457157 | 1 | 02/24/25 20:16 | 02/24/25 20:16 | WHS | Mt. Juliet, TN |

MW-9 L1829173-04 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:41
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 14:16 | 02/25/25 14:16 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 20 | 02/25/25 00:42 | 02/25/25 00:42 | JAH | Mt. Juliet, TN |

MW-16 L1829173-05 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 10:00
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 14:38 | 02/25/25 14:38 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 22:35 | 02/24/25 22:35 | JAH | Mt. Juliet, TN |

MW-8 L1829173-06 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 10:09
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 5 | 02/25/25 17:01 | 02/25/25 17:01 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 50 | 02/25/25 01:03 | 02/25/25 01:03 | JAH | Mt. Juliet, TN |

MW-14 L1829173-07 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 10:23
 Received date/time: 02/22/25 09:00

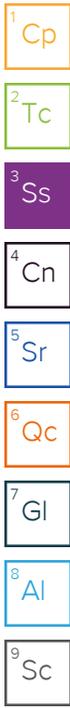
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 14:59 | 02/25/25 14:59 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 22:56 | 02/24/25 22:56 | JAH | Mt. Juliet, TN |

SAMPLE SUMMARY

MW-6 L1829173-08 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 10:39
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 15:21 | 02/25/25 15:21 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 23:17 | 02/24/25 23:17 | JAH | Mt. Juliet, TN |



MW-15 L1829173-09 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 10:55
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2458619 | 1 | 02/27/25 01:00 | 02/27/25 01:00 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 23:38 | 02/24/25 23:38 | JAH | Mt. Juliet, TN |

MW-17 L1829173-10 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 11:43
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 16:18 | 02/25/25 16:18 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/25/25 00:00 | 02/25/25 00:00 | JAH | Mt. Juliet, TN |

MW-21 L1829173-11 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 11:15
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 10 | 02/25/25 17:22 | 02/25/25 17:22 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 500 | 02/25/25 03:11 | 02/25/25 03:11 | JAH | Mt. Juliet, TN |

MW-20 L1829173-12 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 11:47
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 10 | 02/25/25 17:44 | 02/25/25 17:44 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 250 | 02/25/25 02:50 | 02/25/25 02:50 | JAH | Mt. Juliet, TN |

TB-1 L1829173-13 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:00
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 11:24 | 02/25/25 11:24 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 21:53 | 02/24/25 21:53 | JAH | Mt. Juliet, TN |

TB-2 L1829173-14 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 09:05
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 1 | 02/25/25 11:45 | 02/25/25 11:45 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 1 | 02/24/25 22:14 | 02/24/25 22:14 | JAH | Mt. Juliet, TN |

SAMPLE SUMMARY

MW-19 L1829173-15 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 11:20
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 10 | 02/25/25 18:05 | 02/25/25 18:05 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 100 | 02/25/25 02:29 | 02/25/25 02:29 | JAH | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

DUP-1 L1829173-16 GW

Collected by: Blaine Tech
 Collected date/time: 02/21/25 12:00
 Received date/time: 02/22/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2457356 | 10 | 02/25/25 18:26 | 02/25/25 18:26 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2457316 | 10 | 02/25/25 00:21 | 02/25/25 00:21 | JAH | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.223 | <u>B</u> | 0.100 | 1 | 02/25/2025 13:33 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 02/25/2025 13:33 | WG2457356 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 19:58 | WG2457157 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 19:58 | WG2457157 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 19:58 | WG2457157 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 19:58 | WG2457157 |
| (S) Toluene-d8 | 101 | | 80.0-120 | | 02/24/2025 19:58 | WG2457157 |
| (S) 4-Bromofluorobenzene | 94.8 | | 77.0-126 | | 02/24/2025 19:58 | WG2457157 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 02/24/2025 19:58 | WG2457157 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 14.1 | | 1.00 | 10 | 02/25/2025 16:39 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.3 | | 78.0-120 | | 02/25/2025 16:39 | WG2457356 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.352 | | 0.0500 | 50 | 02/24/2025 22:09 | WG2457157 |
| Ethylbenzene | 0.409 | | 0.0500 | 50 | 02/24/2025 22:09 | WG2457157 |
| Toluene | 0.580 | | 0.0500 | 50 | 02/24/2025 22:09 | WG2457157 |
| Xylenes, Total | 5.14 | | 0.150 | 50 | 02/24/2025 22:09 | WG2457157 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 02/24/2025 22:09 | WG2457157 |
| (S) 4-Bromofluorobenzene | 96.2 | | 77.0-126 | | 02/24/2025 22:09 | WG2457157 |
| (S) 1,2-Dichloroethane-d4 | 107 | | 70.0-130 | | 02/24/2025 22:09 | WG2457157 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.110 | <u>B</u> | 0.100 | 1 | 02/25/2025 13:55 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 02/25/2025 13:55 | WG2457356 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 20:16 | WG2457157 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 20:16 | WG2457157 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 20:16 | WG2457157 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 20:16 | WG2457157 |
| (S) Toluene-d8 | 100 | | 80.0-120 | | 02/24/2025 20:16 | WG2457157 |
| (S) 4-Bromofluorobenzene | 97.4 | | 77.0-126 | | 02/24/2025 20:16 | WG2457157 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 02/24/2025 20:16 | WG2457157 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 9.02 | | 0.100 | 1 | 02/25/2025 14:16 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 118 | | 78.0-120 | | 02/25/2025 14:16 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0200 | 20 | 02/25/2025 00:42 | WG2457316 |
| Ethylbenzene | 0.351 | | 0.0200 | 20 | 02/25/2025 00:42 | WG2457316 |
| Toluene | 0.0325 | | 0.0200 | 20 | 02/25/2025 00:42 | WG2457316 |
| Xylenes, Total | 0.665 | | 0.0600 | 20 | 02/25/2025 00:42 | WG2457316 |
| (S) Toluene-d8 | 90.2 | | 80.0-120 | | 02/25/2025 00:42 | WG2457316 |
| (S) 4-Bromofluorobenzene | 97.1 | | 77.0-126 | | 02/25/2025 00:42 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 02/25/2025 00:42 | WG2457316 |

Sample Narrative:

L1829173-04 WG2457316: Non-target compounds too high to run at a lower dilution.



Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.112 | <u>B</u> | 0.100 | 1 | 02/25/2025 14:38 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 02/25/2025 14:38 | WG2457356 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 22:35 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 22:35 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 22:35 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 22:35 | WG2457316 |
| (S) Toluene-d8 | 95.6 | | 80.0-120 | | 02/24/2025 22:35 | WG2457316 |
| (S) 4-Bromofluorobenzene | 99.1 | | 77.0-126 | | 02/24/2025 22:35 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 02/24/2025 22:35 | WG2457316 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 23.4 | | 0.500 | 5 | 02/25/2025 17:01 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9 | | 78.0-120 | | 02/25/2025 17:01 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0500 | 50 | 02/25/2025 01:03 | WG2457316 |
| Ethylbenzene | 1.07 | | 0.0500 | 50 | 02/25/2025 01:03 | WG2457316 |
| Toluene | 0.178 | | 0.0500 | 50 | 02/25/2025 01:03 | WG2457316 |
| Xylenes, Total | 4.06 | | 0.150 | 50 | 02/25/2025 01:03 | WG2457316 |
| (S) Toluene-d8 | 88.6 | | 80.0-120 | | 02/25/2025 01:03 | WG2457316 |
| (S) 4-Bromofluorobenzene | 96.5 | | 77.0-126 | | 02/25/2025 01:03 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 115 | | 70.0-130 | | 02/25/2025 01:03 | WG2457316 |

Sample Narrative:

L1829173-06 WG2457316: Non-target compounds too high to run at a lower dilution.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 02/25/2025 14:59 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 02/25/2025 14:59 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 22:56 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 22:56 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 22:56 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 22:56 | WG2457316 |
| (S) Toluene-d8 | 96.9 | | 80.0-120 | | 02/24/2025 22:56 | WG2457316 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 02/24/2025 22:56 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 02/24/2025 22:56 | WG2457316 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.109 | <u>B</u> | 0.100 | 1 | 02/25/2025 15:21 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.5 | | 78.0-120 | | 02/25/2025 15:21 | WG2457356 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|---------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.0227 | | 0.00100 | 1 | 02/24/2025 23:17 | WG2457316 |
| Ethylbenzene | 0.00138 | | 0.00100 | 1 | 02/24/2025 23:17 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 23:17 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 23:17 | WG2457316 |
| (S) Toluene-d8 | 93.3 | | 80.0-120 | | 02/24/2025 23:17 | WG2457316 |
| (S) 4-Bromofluorobenzene | 94.6 | | 77.0-126 | | 02/24/2025 23:17 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 02/24/2025 23:17 | WG2457316 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 02/27/2025 01:00 | WG2458619 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | 78.0-120 | | 02/27/2025 01:00 | WG2458619 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 23:38 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 23:38 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 23:38 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 23:38 | WG2457316 |
| (S) Toluene-d8 | 94.0 | | 80.0-120 | | 02/24/2025 23:38 | WG2457316 |
| (S) 4-Bromofluorobenzene | 96.6 | | 77.0-126 | | 02/24/2025 23:38 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 122 | | 70.0-130 | | 02/24/2025 23:38 | WG2457316 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 0.323 | <u>B</u> | 0.100 | 1 | 02/25/2025 16:18 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 02/25/2025 16:18 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/25/2025 00:00 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/25/2025 00:00 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/25/2025 00:00 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/25/2025 00:00 | WG2457316 |
| (S) Toluene-d8 | 94.3 | | 80.0-120 | | 02/25/2025 00:00 | WG2457316 |
| (S) 4-Bromofluorobenzene | 95.9 | | 77.0-126 | | 02/25/2025 00:00 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 02/25/2025 00:00 | WG2457316 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 69.0 | | 1.00 | 10 | 02/25/2025 17:22 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.8 | | 78.0-120 | | 02/25/2025 17:22 | WG2457356 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 16.4 | | 0.500 | 500 | 02/25/2025 03:11 | WG2457316 |
| Ethylbenzene | 0.970 | | 0.500 | 500 | 02/25/2025 03:11 | WG2457316 |
| Toluene | 14.7 | | 0.500 | 500 | 02/25/2025 03:11 | WG2457316 |
| Xylenes, Total | 6.39 | | 1.50 | 500 | 02/25/2025 03:11 | WG2457316 |
| (S) Toluene-d8 | 93.1 | | 80.0-120 | | 02/25/2025 03:11 | WG2457316 |
| (S) 4-Bromofluorobenzene | 98.0 | | 77.0-126 | | 02/25/2025 03:11 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 02/25/2025 03:11 | WG2457316 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 41.6 | | 1.00 | 10 | 02/25/2025 17:44 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.4 | | 78.0-120 | | 02/25/2025 17:44 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 7.73 | | 0.250 | 250 | 02/25/2025 02:50 | WG2457316 |
| Ethylbenzene | 0.920 | | 0.250 | 250 | 02/25/2025 02:50 | WG2457316 |
| Toluene | 7.97 | | 0.250 | 250 | 02/25/2025 02:50 | WG2457316 |
| Xylenes, Total | 4.94 | | 0.750 | 250 | 02/25/2025 02:50 | WG2457316 |
| (S) Toluene-d8 | 91.9 | | 80.0-120 | | 02/25/2025 02:50 | WG2457316 |
| (S) 4-Bromofluorobenzene | 98.8 | | 77.0-126 | | 02/25/2025 02:50 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 123 | | 70.0-130 | | 02/25/2025 02:50 | WG2457316 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 02/25/2025 11:24 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 02/25/2025 11:24 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 21:53 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 21:53 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 21:53 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 21:53 | WG2457316 |
| (S) Toluene-d8 | 94.4 | | 80.0-120 | | 02/24/2025 21:53 | WG2457316 |
| (S) 4-Bromofluorobenzene | 99.6 | | 77.0-126 | | 02/24/2025 21:53 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 02/24/2025 21:53 | WG2457316 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 02/25/2025 11:45 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 02/25/2025 11:45 | WG2457356 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 02/24/2025 22:14 | WG2457316 |
| Ethylbenzene | ND | | 0.00100 | 1 | 02/24/2025 22:14 | WG2457316 |
| Toluene | ND | | 0.00100 | 1 | 02/24/2025 22:14 | WG2457316 |
| Xylenes, Total | ND | | 0.00300 | 1 | 02/24/2025 22:14 | WG2457316 |
| (S) Toluene-d8 | 97.4 | | 80.0-120 | | 02/24/2025 22:14 | WG2457316 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 02/24/2025 22:14 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 02/24/2025 22:14 | WG2457316 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 17.1 | | 1.00 | 10 | 02/25/2025 18:05 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9 | | 78.0-120 | | 02/25/2025 18:05 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 0.336 | | 0.100 | 100 | 02/25/2025 02:29 | WG2457316 |
| Ethylbenzene | 0.718 | | 0.100 | 100 | 02/25/2025 02:29 | WG2457316 |
| Toluene | 0.933 | | 0.100 | 100 | 02/25/2025 02:29 | WG2457316 |
| Xylenes, Total | 3.82 | | 0.300 | 100 | 02/25/2025 02:29 | WG2457316 |
| (S) Toluene-d8 | 91.1 | | 80.0-120 | | 02/25/2025 02:29 | WG2457316 |
| (S) 4-Bromofluorobenzene | 93.2 | | 77.0-126 | | 02/25/2025 02:29 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 115 | | 70.0-130 | | 02/25/2025 02:29 | WG2457316 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 23.5 | | 1.00 | 10 | 02/25/2025 18:26 | WG2457356 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.2 | | 78.0-120 | | 02/25/2025 18:26 | WG2457356 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.0100 | 10 | 02/25/2025 00:21 | WG2457316 |
| Ethylbenzene | 1.14 | | 0.0100 | 10 | 02/25/2025 00:21 | WG2457316 |
| Toluene | 0.186 | | 0.0100 | 10 | 02/25/2025 00:21 | WG2457316 |
| Xylenes, Total | 4.21 | | 0.0300 | 10 | 02/25/2025 00:21 | WG2457316 |
| (S) Toluene-d8 | 87.1 | | 80.0-120 | | 02/25/2025 00:21 | WG2457316 |
| (S) 4-Bromofluorobenzene | 95.2 | | 77.0-126 | | 02/25/2025 00:21 | WG2457316 |
| (S) 1,2-Dichloroethane-d4 | 122 | | 70.0-130 | | 02/25/2025 00:21 | WG2457316 |

Sample Narrative:

L1829173-16 WG2457316: Non-target compounds too high to run at a lower dilution.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4180407-2 02/25/25 10:30

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 0.0647 | J | 0.0316 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4180407-1 02/25/25 09:47

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5.00 | 5.24 | 105 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 99.2 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4180754-3 02/26/25 23:24

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | U | | 0.0316 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 78.0-120 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4180754-1 02/26/25 21:31 • (LCSD) R4180754-4 02/26/25 23:56

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Gasoline Range Organics-NWTPH | 5.00 | 4.76 | 4.92 | 95.2 | 98.4 | 70.0-124 | | | 3.31 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 106 | 104 | 78.0-120 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4179828-3 02/24/25 12:49

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------------|-----------|--------------|-----------|----------|
| | mg/l | | mg/l | mg/l |
| Benzene | U | | 0.0000941 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| (S) Toluene-d8 | 96.6 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 93.4 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 129 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179828-1 02/24/25 11:35 • (LCSD) R4179828-2 02/24/25 11:53

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | mg/l | mg/l | mg/l | % | % | % | | | % | % |
| Benzene | 0.00500 | 0.00484 | 0.00490 | 96.8 | 98.0 | 70.0-123 | | | 1.23 | 20 |
| Ethylbenzene | 0.00500 | 0.00448 | 0.00465 | 89.6 | 93.0 | 79.0-123 | | | 3.72 | 20 |
| Toluene | 0.00500 | 0.00554 | 0.00558 | 111 | 112 | 79.0-120 | | | 0.719 | 20 |
| Xylenes, Total | 0.0150 | 0.0144 | 0.0147 | 96.0 | 98.0 | 79.0-123 | | | 2.06 | 20 |
| (S) Toluene-d8 | | | | 97.9 | 96.6 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 94.2 | 91.4 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 122 | 116 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4179942-3 02/24/25 18:54

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0000941 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| <i>(S) Toluene-d8</i> | 93.3 | | | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i> | 97.4 | | | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 113 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179942-1 02/24/25 17:08 • (LCSD) R4179942-2 02/24/25 17:29

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.00500 | 0.00539 | 0.00517 | 108 | 103 | 70.0-123 | | | 4.17 | 20 |
| Ethylbenzene | 0.00500 | 0.00413 | 0.00412 | 82.6 | 82.4 | 79.0-123 | | | 0.242 | 20 |
| Toluene | 0.00500 | 0.00466 | 0.00452 | 93.2 | 90.4 | 79.0-120 | | | 3.05 | 20 |
| Xylenes, Total | 0.0150 | 0.0129 | 0.0128 | 86.0 | 85.3 | 79.0-123 | | | 0.778 | 20 |
| <i>(S) Toluene-d8</i> | | | | 93.0 | 91.6 | 80.0-120 | | | | |
| <i>(S) 4-Bromofluorobenzene</i> | | | | 94.9 | 96.1 | 77.0-126 | | | | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | | 116 | 119 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

| | |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

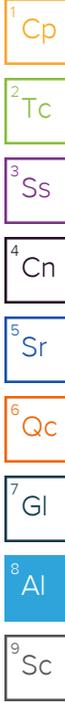
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Engineering/Remediation Resources Group
 15333 NE 90th Street

Billing Information:
 Jennifer Sonnichsen
 15333 NE 90th Street
 Ste 100
 Redmond, WA 98052

Report to:
Fernando Idiarte 425-658-5026

Email To:
 jennifer.sonnichsen@errg.com;fernando.idiarte

Project Description:
FORMER CIRCLE K 1461

City/State Collected: **Sea Hle WA**

Please Circle:
 RT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):
ECOLOGY

Client Project #
230068

Lab Project #
ENGREMRWA-JBLM-YTC

Collected by (print):
BLA

Site/Facility ID #
FORMER CIRCLE K 1461

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day ___ STD TAT

Quote #
 Date Results Needed

Immediately Packed on Ice N ___ Y **X**

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | Pres Chk | Analysis / Container / Preservative |
|-----------------|-----------|----------|-------|---------|------|--------------|----------|-------------------------------------|
| MW-21 | GRAB | GW | N/A | 2/21/25 | 1115 | 1 | X | DEBY8260 40mlAmb-HCl |
| MW-20 | | GW | | | 1147 | 3b | X | DEBY8260 40mlAmb-HCl-Bik |
| TRIP BLANK TB-1 | | GW | | | 0900 | 2 | | GR0 BY NWTPH-6v |
| TB-2 | | | | | 095 | 2 | | |
| MW-19 | | GW | | | 1120 | 6 | X | |
| Dup-1 | | | | | 1200 | 6 | X | |

Chain of Custody Page 1 of 2



MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

SDG # **1829173**

Table #

Acctnum: **ENGREMRWA**
 Template: **T224845**
 Prelogin: **P1131375**
 PM: **3500 - Jennifer Gambill**
 PB: **2/14/25 MV**
 Shipped Via: **FedEX Ground**

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **BTEX ONLY BY 8260D**

pH _____ Temp _____
 Flow _____ Other _____

| Sample Receipt Checklist | |
|-------------------------------|--------|
| COC Seal Present/Intact: | NP Y N |
| COC Signed/Accurate: | Y N |
| Bottles arrive intact: | Y N |
| Correct bottles used: | Y N |
| Sufficient volume sent: | Y N |
| If Applicable | |
| VOA Zero Headspace: | Y N |
| Preservation Correct/Checked: | Y N |
| RAD Screen <0.5 mR/hr: | Y N |

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **4041 0491 2570**

Relinquished by: (Signature)
[Signature]

Date: **2/21/25**
 Time: **1330**

Received by: (Signature)

Trip Blank Received: Yes / No
4 ACl / MeOH TBR

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: **ED49C**
2/22/25 Bottles Received: **84**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)
[Signature]

Date: **2/22/25** Time: **0900**

Hold: _____ Condition: **NCF 10**

Engineering/Remediation Resources Group

Sample Delivery Group: L1831494
Samples Received: 03/01/2025
Project Number: 20230065
Description: Former Circle K
Site: 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

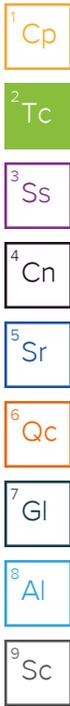
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| LG-403-MID-20250227 L1831494-02 | 6 |
| LG-401-INF-20250227 L1831494-03 | 7 |
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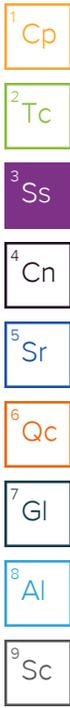


SAMPLE SUMMARY

LG-404-EFF-20250227 L1831494-01 GW

Collected by: FL
 Collected date/time: 02/27/25 16:00
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2463462 | 1 | 03/06/25 08:09 | 03/06/25 13:15 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2462795 | 1 | 03/05/25 15:30 | 03/05/25 15:30 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2461889 | 1 | 03/03/25 23:48 | 03/03/25 23:48 | JBE | Mt. Juliet, TN |



LG-403-MID-20250227 L1831494-02 GW

Collected by: FL
 Collected date/time: 02/27/25 16:45
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2463462 | 1 | 03/06/25 08:09 | 03/06/25 13:15 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2462795 | 1 | 03/05/25 15:53 | 03/05/25 15:53 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2461889 | 1 | 03/04/25 00:07 | 03/04/25 00:07 | JBE | Mt. Juliet, TN |

LG-401-INF-20250227 L1831494-03 GW

Collected by: FL
 Collected date/time: 02/27/25 17:00
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2463462 | 1 | 03/06/25 08:09 | 03/06/25 13:15 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2462795 | 1 | 03/05/25 16:16 | 03/05/25 16:16 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2461889 | 1 | 03/04/25 00:26 | 03/04/25 00:26 | JBE | Mt. Juliet, TN |

DUP-1-2025027 L1831494-04 GW

Collected by: FL
 Collected date/time: 02/27/25 16:15
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2463462 | 1 | 03/06/25 08:09 | 03/06/25 13:15 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2462795 | 1 | 03/05/25 16:40 | 03/05/25 16:40 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2461889 | 1 | 03/04/25 00:45 | 03/04/25 00:45 | JBE | Mt. Juliet, TN |

DUP-2 L1831494-05 GW

Collected by: FL
 Collected date/time: 02/27/25 16:30
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2463462 | 1 | 03/06/25 08:09 | 03/06/25 13:15 | CWB | Mt. Juliet, TN |

TB-1-20250228 L1831494-06 GW

Collected by: FL
 Collected date/time: 02/28/25 12:00
 Received date/time: 03/01/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2462795 | 1 | 03/05/25 10:51 | 03/05/25 10:51 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2461889 | 1 | 03/03/25 23:29 | 03/03/25 23:29 | JBE | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Oil & Grease (Hexane Extr) | ND | | 5.88 | 1 | 03/06/2025 13:15 | WG2463462 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 03/05/2025 15:30 | WG2462795 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/05/2025 15:30 | WG2462795 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Benzene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Ethylbenzene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Toluene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Trichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Vinyl chloride | ND | | 0.00100 | 1 | 03/03/2025 23:48 | WG2461889 |
| Xylenes, Total | ND | | 0.00300 | 1 | 03/03/2025 23:48 | WG2461889 |
| (S) Toluene-d8 | 97.4 | | 80.0-120 | | 03/03/2025 23:48 | WG2461889 |
| (S) 4-Bromofluorobenzene | 99.3 | | 77.0-126 | | 03/03/2025 23:48 | WG2461889 |
| (S) 1,2-Dichloroethane-d4 | 104 | | 70.0-130 | | 03/03/2025 23:48 | WG2461889 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.62 | 1 | 03/06/2025 13:15 | WG2463462 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 03/05/2025 15:53 | WG2462795 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/05/2025 15:53 | WG2462795 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Ethylbenzene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Toluene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Trichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Vinyl chloride | ND | | 0.00100 | 1 | 03/04/2025 00:07 | WG2461889 |
| Xylenes, Total | ND | | 0.00300 | 1 | 03/04/2025 00:07 | WG2461889 |
| (S) Toluene-d8 | 99.4 | | 80.0-120 | | 03/04/2025 00:07 | WG2461889 |
| (S) 4-Bromofluorobenzene | 97.9 | | 77.0-126 | | 03/04/2025 00:07 | WG2461889 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 03/04/2025 00:07 | WG2461889 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Oil & Grease (Hexane Extr) | 11.9 | | 5.68 | 1 | 03/06/2025 13:15 | WG2463462 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Gasoline Range Organics-NWTPH | 0.114 | | 0.100 | 1 | 03/05/2025 16:16 | WG2462795 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/05/2025 16:16 | WG2462795 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|---------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Benzene | 0.00209 | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Ethylbenzene | ND | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Tetrachloroethene | 0.00336 | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Toluene | 0.00183 | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Trichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Vinyl chloride | ND | | 0.00100 | 1 | 03/04/2025 00:26 | WG2461889 |
| Xylenes, Total | ND | | 0.00300 | 1 | 03/04/2025 00:26 | WG2461889 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/04/2025 00:26 | WG2461889 |
| (S) 4-Bromofluorobenzene | 92.2 | | 77.0-126 | | 03/04/2025 00:26 | WG2461889 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | 70.0-130 | | 03/04/2025 00:26 | WG2461889 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|-----------|
| Oil & Grease (Hexane Extr) | ND | J6 | 6.10 | 1 | 03/06/2025 13:15 | WG2463462 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 03/05/2025 16:40 | WG2462795 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | 78.0-120 | | 03/05/2025 16:40 | WG2462795 |

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Benzene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Ethylbenzene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Toluene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Trichloroethene | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Vinyl chloride | ND | | 0.00100 | 1 | 03/04/2025 00:45 | WG2461889 |
| Xylenes, Total | ND | | 0.00300 | 1 | 03/04/2025 00:45 | WG2461889 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/04/2025 00:45 | WG2461889 |
| (S) 4-Bromofluorobenzene | 92.9 | | 77.0-126 | | 03/04/2025 00:45 | WG2461889 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/04/2025 00:45 | WG2461889 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 6.33 | 1 | 03/06/2025 13:15 | WG2463462 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Gasoline Range Organics-NWTPH | ND | | 0.100 | 1 | 03/05/2025 10:51 | WG2462795 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/05/2025 10:51 | WG2462795 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Benzene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Ethylbenzene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Toluene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Trichloroethene | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Vinyl chloride | ND | | 0.00100 | 1 | 03/03/2025 23:29 | WG2461889 |
| Xylenes, Total | ND | | 0.00300 | 1 | 03/03/2025 23:29 | WG2461889 |
| (S) Toluene-d8 | 94.8 | | 80.0-120 | | 03/03/2025 23:29 | WG2461889 |
| (S) 4-Bromofluorobenzene | 98.1 | | 77.0-126 | | 03/03/2025 23:29 | WG2461889 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/03/2025 23:29 | WG2461889 |

Method Blank (MB)

(MB) R4183323-1 03/06/25 13:15

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|--------|
| Oil & Grease (Hexane Extr) | U | | 1.40 | 5.00 |

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4183323-2 03/06/25 13:15 • (LCSD) R4183323-3 03/06/25 13:15

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Oil & Grease (Hexane Extr) | 40.0 | 34.6 | 34.5 | 86.5 | 86.3 | 78.0-114 | | | 0.289 | 20 |

4 Cn

5 Sr

6 Qc

L1831494-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1831494-04 03/06/25 13:15 • (MS) R4183323-4 03/06/25 13:15

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Oil & Grease (Hexane Extr) | 40.0 | ND | 25.6 | 64.0 | 1 | 78.0-114 | J6 |

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4183187-3 03/05/25 10:08

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | U | | 0.0316 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 78.0-120 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4183187-1 03/05/25 08:57 • (LCSD) R4183187-2 03/05/25 09:21

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Gasoline Range Organics-NWTPH | 5.00 | 4.40 | 4.80 | 88.0 | 96.0 | 70.0-124 | | | 8.70 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 106 | 104 | 78.0-120 | | | | |

L1831191-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1831191-01 03/05/25 12:47 • (MS) R4183187-4 03/05/25 19:24 • (MSD) R4183187-5 03/05/25 19:47

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Gasoline Range Organics-NWTPH | 5.00 | 0.318 | 5.90 | 6.04 | 112 | 114 | 1 | 10.0-155 | | | 2.35 | 21 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 107 | 106 | | 78.0-120 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4183796-2 03/03/25 22:54

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0000941 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000126 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000149 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Tetrachloroethene | U | | 0.000300 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Trichloroethene | U | | 0.000190 | 0.00100 |
| Vinyl chloride | U | | 0.000234 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| <i>(S) Toluene-d8</i> | 97.8 | | | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i> | 96.5 | | | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 102 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R4183796-1 03/03/25 19:52

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene | 0.00500 | 0.00542 | 108 | 70.0-123 | |
| cis-1,2-Dichloroethene | 0.00500 | 0.00499 | 99.8 | 73.0-120 | |
| trans-1,2-Dichloroethene | 0.00500 | 0.00504 | 101 | 73.0-120 | |
| Ethylbenzene | 0.00500 | 0.00514 | 103 | 79.0-123 | |
| Tetrachloroethene | 0.00500 | 0.00599 | 120 | 72.0-132 | |
| Toluene | 0.00500 | 0.00533 | 107 | 79.0-120 | |
| Trichloroethene | 0.00500 | 0.00581 | 116 | 78.0-124 | |
| Vinyl chloride | 0.00500 | 0.00488 | 97.6 | 67.0-131 | |
| Xylenes, Total | 0.0150 | 0.0152 | 101 | 79.0-123 | |
| <i>(S) Toluene-d8</i> | | | 101 | 80.0-120 | |
| <i>(S) 4-Bromofluorobenzene</i> | | | 91.7 | 77.0-126 | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | 99.9 | 70.0-130 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

| | |
|----|---|
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
|----|---|

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

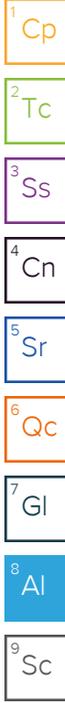
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Engineering/Remediation Resources Group
 15333 NE 90th Street

Billing Information:
Jennifer Sonnichsen | Accounts Payable
 15333 NE 90th Street Ste 100
 Redmond, WA 98053

Analysis / Container / Preservative Chain of Custody Page 1 of 1



MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to:
Jennifer Sonnichsen 425-658-5026

Email To:
jennifer.sonnichsen@errg.com; spencer.slomins

Project Description: **FORMER CIRCLE K** City/State Collected: **Seattle WA** Please Circle: **PT** MT CT ET

Regulatory Program (DOD, RCRA, DW, etc.): **EIM WA** Client Project #: **20230065** Lab Project #: **ENGREMRWA-CIRCLE K**

Collected by (print): **AI** Site/Facility ID #: **1461** P.O. #

Collected by (signature): *[Signature]* Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day STD TAT Date Results Needed

Immediately Packed on Ice N Y X No. of Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NWTPHGX 40m/Amb HCl | NWTPHGX 40m/Amb-HCl-Bik | OGHEX 1L-Cir-WT-HCl | V8260 40m/Amb-HCl | V8260 40m/Amb-HCl-Bik | Remarks | Sample # (lab only) |
|-------------------------|-----------|----------|-------|---------|--------|--------------|---------------------|-------------------------|---------------------|-------------------|-----------------------|---------|---------------------|
| LG-404-EFF-20250227 | GRAB | GW | n/a | 2/27/25 | 1600 | 8 | X | | X | X | | | -01 |
| LG-403-MID-20250227 | | GW | | | 1645 | 8 | X | | X | X | | | -02 |
| LG-401-INF-20250227 | | GW | | | 161700 | 8 | X | | X | X | | | -03 |
| DUP-1-20250227 | | GW | | | 1615 | 8 | X | | X | X | | | -04 |
| DUP-2 | | GW | | | 1630 | 28 | X | | X | X | | | -05 |
| TRIP BLANK TB1-20250225 | | GW | | 2/28/25 | 1200 | 2 | | X | | | X | | -06 |

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **VOCs LIST - BTEX + TCE, PCE, VC, DCE, +DCE** pH _____ Temp _____ Flow _____ Other _____
 Samples returned via: UPS FedEx Courier Tracking # **425709296080**

Sample Receipt Checklist

| | | | |
|-------------------------------|----|---|---|
| COC Seal Present/Intact: | NP | Y | N |
| COC Signed/Accurate: | | | N |
| Bottles arrive intact: | | | N |
| Correct bottles used: | | | N |
| Sufficient volume sent: | | | N |
| If Applicable | | | |
| VOA Zero Headspace: | | Y | N |
| Preservation Correct/Checked: | | Y | N |
| RAD Screen <0.5 mR/hr: | | X | N |

Relinquished by: (Signature) *[Signature]* Date: **2/28/25** Time: **1400** Received by: (Signature) **FED EX** Trip Blank Received: **2** Yes/No HCL/MeOH TBR
 Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C Bottles Received: **ED90.10.421.34** If preservation required by Login: Date/Time
 Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) *[Signature]* Date: **3/1/25** Time: **0900** Hold: Condition: **NCF / OK**

Engineering/Remediation Resources Group

Sample Delivery Group: L1839238
Samples Received: 03/22/2025
Project Number: 20230065
Description: Former Circle K
Site: 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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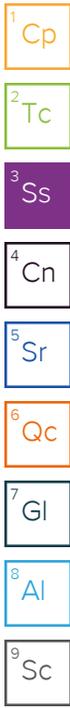
| | | |
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SAMPLE SUMMARY

LG-404-EFF-20250321 L1839238-01 GW

Collected by: FL
 Collected date/time: 03/21/25 12:30
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2479066 | 1 | 03/29/25 07:42 | 03/29/25 12:19 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2476256 | 1 | 03/26/25 02:08 | 03/26/25 02:08 | JBE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2479143 | 1 | 03/29/25 16:30 | 03/29/25 16:30 | DWR | Mt. Juliet, TN |



LG-404-DUP1-20250321 L1839238-02 GW

Collected by: FL
 Collected date/time: 03/21/25 12:35
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2479066 | 1 | 03/29/25 07:42 | 03/29/25 12:19 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2475151 | 1 | 03/24/25 20:21 | 03/24/25 20:21 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2479143 | 1 | 03/29/25 16:53 | 03/29/25 16:53 | DWR | Mt. Juliet, TN |

LG-404-DUP2-20250321 L1839238-03 GW

Collected by: FL
 Collected date/time: 03/21/25 12:40
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2479066 | 1 | 03/29/25 07:42 | 03/29/25 12:19 | CWB | Mt. Juliet, TN |

LG-402-MID-20250321 L1839238-04 GW

Collected by: FL
 Collected date/time: 03/21/25 12:50
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2479066 | 1 | 03/29/25 07:42 | 03/29/25 12:19 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2477158 | 1 | 03/26/25 18:23 | 03/26/25 18:23 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2479143 | 1 | 03/29/25 17:17 | 03/29/25 17:17 | DWR | Mt. Juliet, TN |

LG-401-INF-20250321 L1839238-05 GW

Collected by: FL
 Collected date/time: 03/21/25 13:00
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 1664B | WG2479066 | 1 | 03/29/25 07:42 | 03/29/25 12:19 | CWB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2477158 | 1 | 03/26/25 18:44 | 03/26/25 18:44 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2479143 | 1 | 03/29/25 17:41 | 03/29/25 17:41 | DWR | Mt. Juliet, TN |

TB-01-20250321 L1839238-06 GW

Collected by: FL
 Collected date/time: 03/21/25 13:30
 Received date/time: 03/22/25 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2477158 | 1 | 03/26/25 17:19 | 03/26/25 17:19 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2479143 | 1 | 03/29/25 14:29 | 03/29/25 14:29 | DWR | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.95 | 1 | 03/29/2025 12:19 | WG2479066 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 03/26/2025 02:08 | WG2476256 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/26/2025 02:08 | WG2476256 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Toluene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Trichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| Vinyl chloride | ND | C3 | 1.00 | 1 | 03/29/2025 16:30 | WG2479143 |
| (S) Toluene-d8 | 100 | | 80.0-120 | | 03/29/2025 16:30 | WG2479143 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 03/29/2025 16:30 | WG2479143 |
| (S) 1,2-Dichloroethane-d4 | 95.3 | | 70.0-130 | | 03/29/2025 16:30 | WG2479143 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.26 | 1 | 03/29/2025 12:19 | WG2479066 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 03/24/2025 20:21 | WG2475151 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | 78.0-120 | | 03/24/2025 20:21 | WG2475151 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|--------------------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Toluene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Trichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| Vinyl chloride | ND | C3 | 1.00 | 1 | 03/29/2025 16:53 | WG2479143 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/29/2025 16:53 | WG2479143 |
| (S) 4-Bromofluorobenzene | 99.7 | | 77.0-126 | | 03/29/2025 16:53 | WG2479143 |
| (S) 1,2-Dichloroethane-d4 | 95.0 | | 70.0-130 | | 03/29/2025 16:53 | WG2479143 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | ND | | 5.26 | 1 | 03/29/2025 12:19 | WG2479066 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Oil & Grease (Hexane Extr) | ND | | 5.81 | 1 | 03/29/2025 12:19 | WG2479066 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 03/26/2025 18:23 | WG2477158 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | 78.0-120 | | 03/26/2025 18:23 | WG2477158 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|--------------------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Benzene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Toluene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Trichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| Vinyl chloride | ND | C3 | 1.00 | 1 | 03/29/2025 17:17 | WG2479143 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/29/2025 17:17 | WG2479143 |
| (S) 4-Bromofluorobenzene | 97.9 | | 77.0-126 | | 03/29/2025 17:17 | WG2479143 |
| (S) 1,2-Dichloroethane-d4 | 97.2 | | 70.0-130 | | 03/29/2025 17:17 | WG2479143 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Oil & Grease (Hexane Extr) | 6.31 | | 5.95 | 1 | 03/29/2025 12:19 | WG2479066 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 180 | <u>B</u> | 100 | 1 | 03/26/2025 18:44 | WG2477158 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | 78.0-120 | | 03/26/2025 18:44 | WG2477158 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Toluene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Xylenes, Total | 6.04 | | 3.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Trichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| Vinyl chloride | ND | <u>C3</u> | 1.00 | 1 | 03/29/2025 17:41 | WG2479143 |
| (S) Toluene-d8 | 98.9 | | 80.0-120 | | 03/29/2025 17:41 | WG2479143 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 03/29/2025 17:41 | WG2479143 |
| (S) 1,2-Dichloroethane-d4 | 97.4 | | 70.0-130 | | 03/29/2025 17:41 | WG2479143 |



Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-----------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 03/26/2025 17:19 | WG2477158 |
| (S) a, a, a-Trifluorotoluene(FID) | 102 | | 78.0-120 | | 03/26/2025 17:19 | WG2477158 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|--------------------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Toluene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Trichloroethene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| Vinyl chloride | ND | C3 | 1.00 | 1 | 03/29/2025 14:29 | WG2479143 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 03/29/2025 14:29 | WG2479143 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 03/29/2025 14:29 | WG2479143 |
| (S) 1,2-Dichloroethane-d4 | 95.3 | | 70.0-130 | | 03/29/2025 14:29 | WG2479143 |

Method Blank (MB)

(MB) R4192618-1 03/29/25 12:19

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|--------|
| Oil & Grease (Hexane Extr) | U | | 1.40 | 5.00 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4192618-2 03/29/25 12:19 • (LCSD) R4192618-3 03/29/25 12:19

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Oil & Grease (Hexane Extr) | 40.0 | 37.3 | 32.2 | 93.3 | 80.5 | 78.0-114 | | | 14.7 | 20 |

⁴Cn

⁵Sr

L1838993-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1838993-01 03/29/25 12:19 • (MS) R4192618-4 03/29/25 12:19

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Oil & Grease (Hexane Extr) | 40.0 | ND | 38.7 | 96.8 | 1 | 78.0-114 | |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4190797-2 03/24/25 10:01

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 37.7 | ↓ | 31.6 | 100 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4190797-1 03/24/25 09:06

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5000 | 4940 | 98.8 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 105 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4191224-4 03/25/25 23:08

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 38.5 | J | 31.6 | 100 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 78.0-120 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4191224-2 03/25/25 21:33 • (LCSD) R4191224-3 03/25/25 22:11

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Gasoline Range Organics-NWTPH | 5000 | 4490 | 4460 | 89.8 | 89.2 | 70.0-124 | | | 0.670 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 107 | 108 | 78.0-120 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4191662-2 03/26/25 13:59

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 39.5 | ↓ | 31.6 | 100 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4191662-1 03/26/25 13:00

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5000 | 4750 | 95.0 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 107 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4193025-3 03/29/25 10:48

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0941 | 1.00 |
| Ethylbenzene | U | | 0.137 | 1.00 |
| Toluene | U | | 0.278 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| (S) Toluene-d8 | 100 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 98.2 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 97.1 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4193025-1 03/29/25 09:37 • (LCSD) R4193025-2 03/29/25 10:00

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 5.00 | 4.81 | 4.75 | 96.2 | 95.0 | 70.0-123 | | | 1.26 | 20 |
| Ethylbenzene | 5.00 | 4.55 | 4.72 | 91.0 | 94.4 | 79.0-123 | | | 3.67 | 20 |
| Toluene | 5.00 | 4.79 | 4.72 | 95.8 | 94.4 | 79.0-120 | | | 1.47 | 20 |
| Xylenes, Total | 15.0 | 14.0 | 14.2 | 93.3 | 94.7 | 79.0-123 | | | 1.42 | 20 |
| Trichloroethene | 5.00 | 4.85 | 4.68 | 97.0 | 93.6 | 78.0-124 | | | 3.57 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 4.51 | 4.55 | 90.2 | 91.0 | 73.0-120 | | | 0.883 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 5.05 | 4.84 | 101 | 96.8 | 73.0-120 | | | 4.25 | 20 |
| Tetrachloroethene | 5.00 | 4.55 | 4.80 | 91.0 | 96.0 | 72.0-132 | | | 5.35 | 20 |
| Vinyl chloride | 5.00 | 3.81 | 3.75 | 76.2 | 75.0 | 67.0-131 | | | 1.59 | 20 |
| (S) Toluene-d8 | | | | 100 | 99.3 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 98.1 | 100 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 94.9 | 94.8 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| B | The same analyte is found in the associated blank. |
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |



ACCREDITATIONS & LOCATIONS

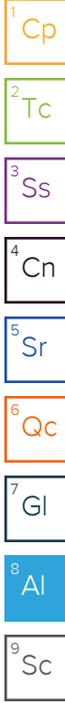
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Engineering/Remediation Resources Group

Sample Delivery Group: L1839621
Samples Received: 03/25/2025
Project Number: 20230065
Description: Former Circle K 1461

Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| FALCO-300-INF-20250324 L1839621-01 | 5 | |
| FALCO-300-EFF-20250324 L1839621-02 | 7 | ⁴ Cn |
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| | | ⁹ Sc |

SAMPLE SUMMARY

FALCO-300-INF-20250324 L1839621-01 Air

Collected by: Fernando Ildiarte
 Collected date/time: 03/24/25 14:10
 Received date/time: 03/25/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2476938 | 100 | 03/27/25 00:49 | 03/27/25 00:49 | DAH | Mt. Juliet, TN |

¹ Cp

² Tc

³ Ss

FALCO-300-EFF-20250324 L1839621-02 Air

Collected by: Fernando Ildiarte
 Collected date/time: 03/24/25 14:25
 Received date/time: 03/25/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2476938 | 1 | 03/27/25 00:22 | 03/27/25 00:22 | DAH | Mt. Juliet, TN |

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 125 | 297 | ND | ND | | 100 | WG2476938 |
| Allyl chloride | 107-05-1 | 76.53 | 20.0 | 62.6 | ND | ND | | 100 | WG2476938 |
| Benzene | 71-43-2 | 78.10 | 20.0 | 63.9 | 2160 | 6900 | | 100 | WG2476938 |
| Benzyl Chloride | 100-44-7 | 127 | 20.0 | 104 | ND | ND | | 100 | WG2476938 |
| Bromodichloromethane | 75-27-4 | 164 | 20.0 | 134 | ND | ND | | 100 | WG2476938 |
| Bromoform | 75-25-2 | 253 | 63.0 | 652 | ND | ND | | 100 | WG2476938 |
| Bromomethane | 74-83-9 | 94.90 | 20.0 | 77.6 | ND | ND | | 100 | WG2476938 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 200 | 443 | ND | ND | | 100 | WG2476938 |
| Carbon disulfide | 75-15-0 | 76.10 | 40.0 | 124 | ND | ND | | 100 | WG2476938 |
| Carbon tetrachloride | 56-23-5 | 154 | 20.0 | 126 | ND | ND | | 100 | WG2476938 |
| Chlorobenzene | 108-90-7 | 113 | 20.0 | 92.4 | ND | ND | | 100 | WG2476938 |
| Chloroethane | 75-00-3 | 64.50 | 20.0 | 52.8 | ND | ND | | 100 | WG2476938 |
| Chloroform | 67-66-3 | 119 | 20.0 | 97.3 | ND | ND | | 100 | WG2476938 |
| Chloromethane | 74-87-3 | 50.50 | 20.0 | 41.3 | ND | ND | | 100 | WG2476938 |
| 2-Chlorotoluene | 95-49-8 | 126 | 20.0 | 103 | ND | ND | | 100 | WG2476938 |
| Cyclohexane | 110-82-7 | 84.20 | 20.0 | 68.9 | 1590 | 5480 | | 100 | WG2476938 |
| Dibromochloromethane | 124-48-1 | 208 | 20.0 | 170 | ND | ND | | 100 | WG2476938 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 20.0 | 154 | ND | ND | | 100 | WG2476938 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2476938 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2476938 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 20.0 | 120 | ND | ND | | 100 | WG2476938 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 20.0 | 81.0 | ND | ND | | 100 | WG2476938 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 20.0 | 80.2 | ND | ND | | 100 | WG2476938 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 20.0 | 79.3 | ND | ND | | 100 | WG2476938 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 20.0 | 79.3 | 53.5 | 212 | | 100 | WG2476938 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 20.0 | 79.3 | ND | ND | | 100 | WG2476938 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 20.0 | 92.4 | ND | ND | | 100 | WG2476938 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 20.0 | 90.8 | ND | ND | | 100 | WG2476938 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 20.0 | 90.8 | ND | ND | | 100 | WG2476938 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 63.0 | 227 | ND | ND | | 100 | WG2476938 |
| Ethanol | 64-17-5 | 46.10 | 250 | 471 | 1810 | 3410 | | 100 | WG2476938 |
| Ethylbenzene | 100-41-4 | 106 | 20.0 | 86.7 | 699 | 3030 | | 100 | WG2476938 |
| 4-Ethyltoluene | 622-96-8 | 120 | 20.0 | 98.2 | ND | ND | | 100 | WG2476938 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 20.0 | 112 | ND | ND | | 100 | WG2476938 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 20.0 | 98.9 | ND | ND | | 100 | WG2476938 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 20.0 | 153 | ND | ND | | 100 | WG2476938 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 20.0 | 140 | ND | ND | | 100 | WG2476938 |
| Heptane | 142-82-5 | 100 | 20.0 | 81.8 | 2660 | 10900 | | 100 | WG2476938 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 63.0 | 673 | ND | ND | | 100 | WG2476938 |
| n-Hexane | 110-54-3 | 86.20 | 63.0 | 222 | 5260 | 18500 | | 100 | WG2476938 |
| Isopropylbenzene | 98-82-8 | 120.20 | 20.0 | 98.3 | 47.2 | 232 | | 100 | WG2476938 |
| Methylene Chloride | 75-09-2 | 84.90 | 20.0 | 69.4 | 221 | 767 | | 100 | WG2476938 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 125 | 511 | ND | ND | | 100 | WG2476938 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 125 | 369 | ND | ND | | 100 | WG2476938 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 125 | 512 | ND | ND | | 100 | WG2476938 |
| Methyl methacrylate | 80-62-6 | 100.12 | 20.0 | 81.9 | ND | ND | | 100 | WG2476938 |
| MTBE | 1634-04-4 | 88.10 | 20.0 | 72.1 | ND | ND | | 100 | WG2476938 |
| Naphthalene | 91-20-3 | 128 | 63.0 | 330 | ND | ND | | 100 | WG2476938 |
| 2-Propanol | 67-63-0 | 60.10 | 125 | 307 | 1780 | 4380 | | 100 | WG2476938 |
| Propene | 115-07-1 | 42.10 | 125 | 215 | ND | ND | | 100 | WG2476938 |
| Styrene | 100-42-5 | 104 | 40.0 | 170 | 42.1 | 179 | | 100 | WG2476938 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 20.0 | 137 | ND | ND | | 100 | WG2476938 |
| Tetrachloroethylene | 127-18-4 | 166 | 20.0 | 136 | ND | ND | | 100 | WG2476938 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 20.0 | 59.0 | ND | ND | | 100 | WG2476938 |
| Toluene | 108-88-3 | 92.10 | 50.0 | 188 | 3480 | 13100 | | 100 | WG2476938 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 63.0 | 466 | ND | ND | | 100 | WG2476938 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 20.0 | 109 | ND | ND | | 100 | WG2476938 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 20.0 | 109 | ND | ND | | 100 | WG2476938 |
| Trichloroethylene | 79-01-6 | 131 | 20.0 | 107 | ND | ND | | 100 | WG2476938 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 20.0 | 98.2 | 1120 | 5500 | | 100 | WG2476938 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 20.0 | 98.2 | 567 | 2780 | | 100 | WG2476938 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 20.0 | 93.4 | 2770 | 12900 | | 100 | WG2476938 |
| Vinyl chloride | 75-01-4 | 62.50 | 20.0 | 51.1 | ND | ND | | 100 | WG2476938 |
| Vinyl Bromide | 593-60-2 | 106.95 | 20.0 | 87.5 | ND | ND | | 100 | WG2476938 |
| Vinyl acetate | 108-05-4 | 86.10 | 63.0 | 222 | ND | ND | | 100 | WG2476938 |
| Xylenes, Total | 1330-20-7 | 106.16 | 60.0 | 261 | 7020 | 30500 | | 100 | WG2476938 |
| m&p-Xylene | | 106 | 40.0 | 173 | 5090 | 22100 | | 100 | WG2476938 |
| o-Xylene | 95-47-6 | 106 | 20.0 | 86.7 | 1930 | 8370 | | 100 | WG2476938 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 20000 | 82600 | 72700 | 300000 | | 100 | WG2476938 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 98.1 | | | | WG2476938 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone | 67-64-1 | 58.10 | 1.25 | 2.97 | ND | ND | | 1 | WG2476938 |
| Allyl chloride | 107-05-1 | 76.53 | 0.200 | 0.626 | ND | ND | | 1 | WG2476938 |
| Benzene | 71-43-2 | 78.10 | 0.200 | 0.639 | 3.12 | 9.97 | | 1 | WG2476938 |
| Benzyl Chloride | 100-44-7 | 127 | 0.200 | 1.04 | ND | ND | | 1 | WG2476938 |
| Bromodichloromethane | 75-27-4 | 164 | 0.200 | 1.34 | ND | ND | | 1 | WG2476938 |
| Bromoform | 75-25-2 | 253 | 0.630 | 6.52 | ND | ND | | 1 | WG2476938 |
| Bromomethane | 74-83-9 | 94.90 | 0.200 | 0.776 | ND | ND | | 1 | WG2476938 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 2.00 | 4.43 | ND | ND | | 1 | WG2476938 |
| Carbon disulfide | 75-15-0 | 76.10 | 0.400 | 1.24 | ND | ND | | 1 | WG2476938 |
| Carbon tetrachloride | 56-23-5 | 154 | 0.200 | 1.26 | ND | ND | | 1 | WG2476938 |
| Chlorobenzene | 108-90-7 | 113 | 0.200 | 0.924 | 0.733 | 3.39 | | 1 | WG2476938 |
| Chloroethane | 75-00-3 | 64.50 | 0.200 | 0.528 | 0.233 | 0.615 | | 1 | WG2476938 |
| Chloroform | 67-66-3 | 119 | 0.200 | 0.973 | ND | ND | | 1 | WG2476938 |
| Chloromethane | 74-87-3 | 50.50 | 0.200 | 0.413 | 6.70 | 13.8 | | 1 | WG2476938 |
| 2-Chlorotoluene | 95-49-8 | 126 | 0.200 | 1.03 | ND | ND | | 1 | WG2476938 |
| Cyclohexane | 110-82-7 | 84.20 | 0.200 | 0.689 | 10.9 | 37.5 | | 1 | WG2476938 |
| Dibromochloromethane | 124-48-1 | 208 | 0.200 | 1.70 | ND | ND | | 1 | WG2476938 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 0.200 | 1.54 | ND | ND | | 1 | WG2476938 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2476938 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2476938 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.200 | 1.20 | ND | ND | | 1 | WG2476938 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 0.200 | 0.810 | ND | ND | | 1 | WG2476938 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 0.200 | 0.802 | ND | ND | | 1 | WG2476938 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2476938 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2476938 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 0.200 | 0.793 | ND | ND | | 1 | WG2476938 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.200 | 0.924 | ND | ND | | 1 | WG2476938 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2476938 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 0.200 | 0.908 | ND | ND | | 1 | WG2476938 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 0.630 | 2.27 | ND | ND | | 1 | WG2476938 |
| Ethanol | 64-17-5 | 46.10 | 2.50 | 4.71 | 15.3 | 28.8 | | 1 | WG2476938 |
| Ethylbenzene | 100-41-4 | 106 | 0.200 | 0.867 | ND | ND | | 1 | WG2476938 |
| 4-Ethyltoluene | 622-96-8 | 120 | 0.200 | 0.982 | ND | ND | | 1 | WG2476938 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 0.200 | 1.12 | ND | ND | | 1 | WG2476938 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 0.200 | 0.989 | 0.279 | 1.38 | | 1 | WG2476938 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 0.200 | 1.53 | ND | ND | | 1 | WG2476938 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 0.200 | 1.40 | ND | ND | | 1 | WG2476938 |
| Heptane | 142-82-5 | 100 | 0.200 | 0.818 | 15.5 | 63.4 | | 1 | WG2476938 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 0.630 | 6.73 | ND | ND | | 1 | WG2476938 |
| n-Hexane | 110-54-3 | 86.20 | 0.630 | 2.22 | 87.3 | 308 | | 1 | WG2476938 |
| Isopropylbenzene | 98-82-8 | 120.20 | 0.200 | 0.983 | ND | ND | | 1 | WG2476938 |
| Methylene Chloride | 75-09-2 | 84.90 | 0.200 | 0.694 | 1.36 | 4.72 | | 1 | WG2476938 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 1.25 | 5.11 | ND | ND | | 1 | WG2476938 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 1.25 | 3.69 | ND | ND | | 1 | WG2476938 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 1.25 | 5.12 | ND | ND | | 1 | WG2476938 |
| Methyl methacrylate | 80-62-6 | 100.12 | 0.200 | 0.819 | ND | ND | | 1 | WG2476938 |
| MTBE | 1634-04-4 | 88.10 | 0.200 | 0.721 | ND | ND | | 1 | WG2476938 |
| Naphthalene | 91-20-3 | 128 | 0.630 | 3.30 | ND | ND | | 1 | WG2476938 |
| 2-Propanol | 67-63-0 | 60.10 | 1.25 | 3.07 | 9.25 | 22.7 | | 1 | WG2476938 |
| Propene | 115-07-1 | 42.10 | 1.25 | 2.15 | ND | ND | | 1 | WG2476938 |
| Styrene | 100-42-5 | 104 | 0.400 | 1.70 | ND | ND | | 1 | WG2476938 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 0.200 | 1.37 | ND | ND | | 1 | WG2476938 |
| Tetrachloroethylene | 127-18-4 | 166 | 0.200 | 1.36 | 2.03 | 13.8 | | 1 | WG2476938 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 0.200 | 0.590 | ND | ND | | 1 | WG2476938 |
| Toluene | 108-88-3 | 92.10 | 0.500 | 1.88 | ND | ND | | 1 | WG2476938 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 0.630 | 4.66 | ND | ND | | 1 | WG2476938 |



Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | RDL1 ppbv | RDL2 ug/m3 | Result ppbv | Result ug/m3 | Qualifier | Dilution | Batch |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2476938 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 0.200 | 1.09 | ND | ND | | 1 | WG2476938 |
| Trichloroethylene | 79-01-6 | 131 | 0.200 | 1.07 | ND | ND | | 1 | WG2476938 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 0.200 | 0.982 | 0.215 | 1.06 | | 1 | WG2476938 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 0.200 | 0.982 | ND | ND | | 1 | WG2476938 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 0.200 | 0.934 | 35.4 | 165 | | 1 | WG2476938 |
| Vinyl chloride | 75-01-4 | 62.50 | 0.200 | 0.511 | ND | ND | | 1 | WG2476938 |
| Vinyl Bromide | 593-60-2 | 106.95 | 0.200 | 0.875 | ND | ND | | 1 | WG2476938 |
| Vinyl acetate | 108-05-4 | 86.10 | 0.630 | 2.22 | ND | ND | | 1 | WG2476938 |
| Xylenes, Total | 1330-20-7 | 106.16 | 0.600 | 2.61 | 1.06 | 4.60 | | 1 | WG2476938 |
| m&p-Xylene | | 106 | 0.400 | 1.73 | 0.782 | 3.39 | | 1 | WG2476938 |
| o-Xylene | 95-47-6 | 106 | 0.200 | 0.867 | 0.274 | 1.19 | | 1 | WG2476938 |
| TPH (GC/MS) Low Fraction | 8006-61-9 | 101 | 200 | 826 | 243 | 1000 | | 1 | WG2476938 |
| (S) 1,4-Bromofluorobenzene | 460-00-4 | 175 | 60.0-140 | | 96.4 | | | | WG2476938 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4191358-3 03/26/25 13:03

| Analyte | MB Result ppbv | MB Qualifier | MB MDL ppbv | MB RDL ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone | U | | 0.520 | 1.25 |
| Allyl chloride | U | | 0.186 | 0.200 |
| Benzene | U | | 0.110 | 0.200 |
| Benzyl Chloride | U | | 0.0888 | 0.200 |
| Bromodichloromethane | U | | 0.0695 | 0.200 |
| Bromoform | U | | 0.0755 | 0.630 |
| Bromomethane | U | | 0.0938 | 0.200 |
| 1,3-Butadiene | U | | 0.158 | 2.00 |
| Carbon disulfide | U | | 0.160 | 0.400 |
| Carbon tetrachloride | U | | 0.0746 | 0.200 |
| Chlorobenzene | U | | 0.118 | 0.200 |
| Chloroethane | U | | 0.110 | 0.200 |
| Chloroform | U | | 0.104 | 0.200 |
| Chloromethane | U | | 0.110 | 0.200 |
| 2-Chlorotoluene | U | | 0.0787 | 0.200 |
| Cyclohexane | U | | 0.170 | 0.200 |
| Dibromochloromethane | U | | 0.0696 | 0.200 |
| 1,2-Dibromoethane | U | | 0.0690 | 0.200 |
| 1,2-Dichlorobenzene | U | | 0.0734 | 0.200 |
| 1,3-Dichlorobenzene | U | | 0.0753 | 0.200 |
| 1,4-Dichlorobenzene | U | | 0.0768 | 0.200 |
| 1,2-Dichloroethane | U | | 0.0730 | 0.200 |
| 1,1-Dichloroethane | U | | 0.0710 | 0.200 |
| 1,1-Dichloroethene | U | | 0.0747 | 0.200 |
| cis-1,2-Dichloroethene | U | | 0.0796 | 0.200 |
| trans-1,2-Dichloroethene | U | | 0.0735 | 0.200 |
| 1,2-Dichloropropane | U | | 0.0752 | 0.200 |
| cis-1,3-Dichloropropene | U | | 0.0743 | 0.200 |
| trans-1,3-Dichloropropene | U | | 0.0795 | 0.200 |
| 1,4-Dioxane | U | | 0.164 | 0.630 |
| Ethanol | U | | 2.37 | 2.50 |
| Ethylbenzene | U | | 0.0778 | 0.200 |
| 4-Ethyltoluene | U | | 0.0887 | 0.200 |
| Trichlorofluoromethane | U | | 0.0771 | 0.200 |
| Dichlorodifluoromethane | U | | 0.0806 | 0.200 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.0751 | 0.200 |
| 1,2-Dichlorotetrafluoroethane | U | | 0.0756 | 0.200 |
| Heptane | U | | 0.114 | 0.200 |
| Hexachloro-1,3-butadiene | U | | 0.0800 | 0.630 |
| n-Hexane | U | | 0.143 | 0.630 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4191358-3 03/26/25 13:03

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------------------|-----------|--------------|--------|----------|
| | ppbv | | ppbv | ppbv |
| Isopropylbenzene | U | | 0.0722 | 0.200 |
| Methylene Chloride | U | | 0.169 | 0.200 |
| Methyl Butyl Ketone | U | | 0.133 | 1.25 |
| 2-Butanone (MEK) | U | | 0.116 | 1.25 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.106 | 1.25 |
| Methyl methacrylate | U | | 0.169 | 0.200 |
| MTBE | U | | 0.0813 | 0.200 |
| Naphthalene | U | | 0.617 | 0.630 |
| 2-Propanol | U | | 0.680 | 1.25 |
| Propene | U | | 0.214 | 1.25 |
| Styrene | U | | 0.0802 | 0.400 |
| 1,1,2,2-Tetrachloroethane | U | | 0.0695 | 0.200 |
| Tetrachloroethylene | U | | 0.111 | 0.200 |
| Tetrahydrofuran | U | | 0.164 | 0.200 |
| Toluene | U | | 0.130 | 0.500 |
| 1,2,4-Trichlorobenzene | U | | 0.462 | 0.630 |
| 1,1,1-Trichloroethane | U | | 0.0718 | 0.200 |
| 1,1,2-Trichloroethane | U | | 0.0683 | 0.200 |
| Trichloroethylene | U | | 0.0680 | 0.200 |
| 1,2,4-Trimethylbenzene | U | | 0.0927 | 0.200 |
| 1,3,5-Trimethylbenzene | U | | 0.0853 | 0.200 |
| 2,2,4-Trimethylpentane | U | | 0.0898 | 0.200 |
| Vinyl chloride | U | | 0.0826 | 0.200 |
| Vinyl Bromide | U | | 0.0749 | 0.200 |
| Vinyl acetate | U | | 0.0968 | 0.630 |
| Xylenes, Total | U | | 0.0887 | 0.600 |
| m&p-Xylene | U | | 0.174 | 0.400 |
| o-Xylene | U | | 0.0887 | 0.200 |
| TPH (GC/MS) Low Fraction | U | | 68.3 | 200 |
| (S) 1,4-Bromofluorobenzene | 97.1 | | | 60.0-140 |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4191358-1 03/26/25 11:42 • (LCSD) R4191358-2 03/26/25 12:10

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | ppbv | ppbv | ppbv | % | % | % | | | % | % |
| Acetone | 3.75 | 3.76 | 3.94 | 100 | 105 | 70.0-130 | | | 4.68 | 25 |
| Allyl chloride | 3.75 | 4.28 | 4.39 | 114 | 117 | 70.0-130 | | | 2.54 | 25 |
| Benzene | 3.75 | 4.02 | 4.03 | 107 | 107 | 70.0-130 | | | 0.248 | 25 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4191358-1 03/26/25 11:42 • (LCSD) R4191358-2 03/26/25 12:10

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzyl Chloride | 3.75 | 4.43 | 4.51 | 118 | 120 | 70.0-152 | | | 1.79 | 25 |
| Bromodichloromethane | 3.75 | 4.38 | 4.36 | 117 | 116 | 70.0-130 | | | 0.458 | 25 |
| Bromoform | 3.75 | 4.22 | 4.17 | 113 | 111 | 70.0-130 | | | 1.19 | 25 |
| Bromomethane | 3.75 | 3.83 | 4.04 | 102 | 108 | 70.0-130 | | | 5.34 | 25 |
| 1,3-Butadiene | 3.75 | 3.91 | 4.07 | 104 | 109 | 70.0-130 | | | 4.01 | 25 |
| Carbon disulfide | 7.50 | 8.51 | 8.12 | 113 | 108 | 70.0-130 | | | 4.69 | 25 |
| Carbon tetrachloride | 3.75 | 4.26 | 4.42 | 114 | 118 | 70.0-130 | | | 3.69 | 25 |
| Chlorobenzene | 3.75 | 3.95 | 4.02 | 105 | 107 | 70.0-130 | | | 1.76 | 25 |
| Chloroethane | 3.75 | 3.86 | 3.97 | 103 | 106 | 70.0-130 | | | 2.81 | 25 |
| Chloroform | 3.75 | 3.95 | 4.14 | 105 | 110 | 70.0-130 | | | 4.70 | 25 |
| Chloromethane | 3.75 | 3.91 | 3.98 | 104 | 106 | 70.0-130 | | | 1.77 | 25 |
| 2-Chlorotoluene | 3.75 | 4.20 | 4.25 | 112 | 113 | 70.0-130 | | | 1.18 | 25 |
| Cyclohexane | 3.75 | 3.83 | 4.01 | 102 | 107 | 70.0-130 | | | 4.59 | 25 |
| Dibromochloromethane | 3.75 | 4.41 | 4.44 | 118 | 118 | 70.0-130 | | | 0.678 | 25 |
| 1,2-Dibromoethane | 3.75 | 4.22 | 4.24 | 113 | 113 | 70.0-130 | | | 0.473 | 25 |
| 1,2-Dichlorobenzene | 3.75 | 4.21 | 4.35 | 112 | 116 | 70.0-130 | | | 3.27 | 25 |
| 1,3-Dichlorobenzene | 3.75 | 4.31 | 4.51 | 115 | 120 | 70.0-130 | | | 4.54 | 25 |
| 1,4-Dichlorobenzene | 3.75 | 4.33 | 4.41 | 115 | 118 | 70.0-130 | | | 1.83 | 25 |
| 1,2-Dichloroethane | 3.75 | 4.16 | 4.21 | 111 | 112 | 70.0-130 | | | 1.19 | 25 |
| 1,1-Dichloroethane | 3.75 | 4.07 | 4.03 | 109 | 107 | 70.0-130 | | | 0.988 | 25 |
| 1,1-Dichloroethene | 3.75 | 3.99 | 4.17 | 106 | 111 | 70.0-130 | | | 4.41 | 25 |
| cis-1,2-Dichloroethene | 3.75 | 4.00 | 4.04 | 107 | 108 | 70.0-130 | | | 0.995 | 25 |
| trans-1,2-Dichloroethene | 3.75 | 4.17 | 3.73 | 111 | 99.5 | 70.0-130 | | | 11.1 | 25 |
| 1,2-Dichloropropane | 3.75 | 4.05 | 4.17 | 108 | 111 | 70.0-130 | | | 2.92 | 25 |
| cis-1,3-Dichloropropene | 3.75 | 4.31 | 4.43 | 115 | 118 | 70.0-130 | | | 2.75 | 25 |
| trans-1,3-Dichloropropene | 3.75 | 4.31 | 4.39 | 115 | 117 | 70.0-130 | | | 1.84 | 25 |
| 1,4-Dioxane | 3.75 | 3.90 | 4.07 | 104 | 109 | 70.0-140 | | | 4.27 | 25 |
| Ethanol | 3.75 | 4.03 | 4.14 | 107 | 110 | 55.0-148 | | | 2.69 | 25 |
| Ethylbenzene | 3.75 | 4.11 | 4.18 | 110 | 111 | 70.0-130 | | | 1.69 | 25 |
| 4-Ethyltoluene | 3.75 | 4.28 | 4.34 | 114 | 116 | 70.0-130 | | | 1.39 | 25 |
| Trichlorofluoromethane | 3.75 | 4.03 | 4.11 | 107 | 110 | 70.0-130 | | | 1.97 | 25 |
| Dichlorodifluoromethane | 3.75 | 4.11 | 4.17 | 110 | 111 | 64.0-139 | | | 1.45 | 25 |
| 1,1,2-Trichlorotrifluoroethane | 3.75 | 3.96 | 3.83 | 106 | 102 | 70.0-130 | | | 3.34 | 25 |
| 1,2-Dichlorotetrafluoroethane | 3.75 | 3.98 | 4.09 | 106 | 109 | 70.0-130 | | | 2.73 | 25 |
| Heptane | 3.75 | 4.18 | 4.19 | 111 | 112 | 70.0-130 | | | 0.239 | 25 |
| Hexachloro-1,3-butadiene | 3.75 | 4.00 | 4.15 | 107 | 111 | 70.0-151 | | | 3.68 | 25 |
| n-Hexane | 3.75 | 4.05 | 4.18 | 108 | 111 | 70.0-130 | | | 3.16 | 25 |
| Isopropylbenzene | 3.75 | 4.06 | 4.22 | 108 | 113 | 70.0-130 | | | 3.86 | 25 |
| Methylene Chloride | 3.75 | 4.03 | 3.96 | 107 | 106 | 70.0-130 | | | 1.75 | 25 |
| Methyl Butyl Ketone | 3.75 | 4.46 | 4.50 | 119 | 120 | 70.0-149 | | | 0.893 | 25 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4191358-1 03/26/25 11:42 • (LCSD) R4191358-2 03/26/25 12:10

| Analyte | Spike Amount ppbv | LCS Result ppbv | LCSD Result ppbv | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 2-Butanone (MEK) | 3.75 | 4.00 | 3.98 | 107 | 106 | 70.0-130 | | | 0.501 | 25 |
| 4-Methyl-2-pentanone (MIBK) | 3.75 | 3.85 | 4.04 | 103 | 108 | 70.0-139 | | | 4.82 | 25 |
| Methyl methacrylate | 3.75 | 4.11 | 4.26 | 110 | 114 | 70.0-130 | | | 3.58 | 25 |
| MTBE | 3.75 | 3.92 | 4.03 | 105 | 107 | 70.0-130 | | | 2.77 | 25 |
| Naphthalene | 3.75 | 4.23 | 4.34 | 113 | 116 | 70.0-159 | | | 2.57 | 25 |
| 2-Propanol | 3.75 | 3.94 | 3.98 | 105 | 106 | 70.0-139 | | | 1.01 | 25 |
| Propene | 3.75 | 4.11 | 4.13 | 110 | 110 | 64.0-144 | | | 0.485 | 25 |
| Styrene | 7.50 | 8.64 | 8.91 | 115 | 119 | 70.0-130 | | | 3.08 | 25 |
| 1,1,2,2-Tetrachloroethane | 3.75 | 4.40 | 4.46 | 117 | 119 | 70.0-130 | | | 1.35 | 25 |
| Tetrachloroethylene | 3.75 | 3.98 | 4.16 | 106 | 111 | 70.0-130 | | | 4.42 | 25 |
| Tetrahydrofuran | 3.75 | 4.09 | 4.31 | 109 | 115 | 70.0-137 | | | 5.24 | 25 |
| Toluene | 3.75 | 4.08 | 4.01 | 109 | 107 | 70.0-130 | | | 1.73 | 25 |
| 1,2,4-Trichlorobenzene | 3.75 | 3.97 | 4.00 | 106 | 107 | 70.0-160 | | | 0.753 | 25 |
| 1,1,1-Trichloroethane | 3.75 | 4.08 | 4.21 | 109 | 112 | 70.0-130 | | | 3.14 | 25 |
| 1,1,2-Trichloroethane | 3.75 | 4.12 | 4.14 | 110 | 110 | 70.0-130 | | | 0.484 | 25 |
| Trichloroethylene | 3.75 | 4.06 | 4.12 | 108 | 110 | 70.0-130 | | | 1.47 | 25 |
| 1,2,4-Trimethylbenzene | 3.75 | 4.22 | 4.34 | 113 | 116 | 70.0-130 | | | 2.80 | 25 |
| 1,3,5-Trimethylbenzene | 3.75 | 4.18 | 4.33 | 111 | 115 | 70.0-130 | | | 3.53 | 25 |
| 2,2,4-Trimethylpentane | 3.75 | 3.98 | 4.18 | 106 | 111 | 70.0-130 | | | 4.90 | 25 |
| Vinyl chloride | 3.75 | 3.98 | 4.08 | 106 | 109 | 70.0-130 | | | 2.48 | 25 |
| Vinyl Bromide | 3.75 | 3.95 | 4.04 | 105 | 108 | 70.0-130 | | | 2.25 | 25 |
| Vinyl acetate | 3.75 | 3.98 | 3.92 | 106 | 105 | 70.0-130 | | | 1.52 | 25 |
| Xylenes, Total | 11.3 | 12.5 | 12.7 | 111 | 112 | 70.0-130 | | | 1.59 | 25 |
| m&p-Xylene | 7.50 | 8.42 | 8.51 | 112 | 113 | 70.0-130 | | | 1.06 | 25 |
| o-Xylene | 3.75 | 4.08 | 4.21 | 109 | 112 | 70.0-130 | | | 3.14 | 25 |
| TPH (GC/MS) Low Fraction | 188 | 204 | 204 | 109 | 109 | 70.0-130 | | | 0.000 | 25 |
| (S) 1,4-Bromofluorobenzene | | | | 99.4 | 98.2 | 60.0-140 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

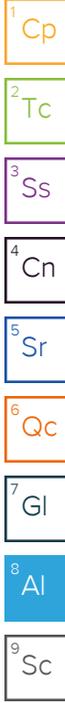
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Pace Pace* Location Requested (City/State): **Air CHAIN-OF-CUSTODY Analytical Request Document**
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Company Name: **Engineering/Remediation Resources Grou**

Street Address: **15333 NE 90th Street**

City, State Zip:

Customer Project #: **20230065**

Project Name: **FORMER CIRCLE K 1461**

Site Collection Info/Facility ID (as applicable): **ENGREMRWA-CIRCLE K**

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET

Data Deliverables:
 [] Level II [] Level III [] Level IV
 [] EQUIS **EIM WA**
 [] Other

Regulatory Program (CAA, RCRA, etc.) as applicable: **WA DOECOL064**

Rush (Pre-approval required): 2 Day 3 day 5 day Other _____

Date Results Requested:

Permit # as applicable:

Units for Reporting: **ug/m³ PPBV mg/m³ PPMV**

* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Contact/Report To: **Jennifer Sonnichsen**

Phone #: **425-658-5026**

E-Mail: **jennifer.sonnichsen@errg.com; spencer.slominski@erro.com; fernando.idiarte@erro.com**

Cc E-Mail:

Invoice to:

Invoice E-Mail:

Purchase Order # (if applicable): **2023 230065-PA-01**

Quote #:

State origin of sample(s): **WA**



Scan QR code for instructions

| Field Information | | | | | | | | | | Analyses Requested | | Lab Use Only | |
|---------------------------------|-------------------------------|--------------------|--|--|----------------------------------|------|---------------------------------------|----|---|--------------------|----------------|--------------|------------|
| Canister | | | | | PUF / FILTER | | | | | TO-15 Summa | Sample Comment | | |
| Start Pressure / Vacuum (in Hg) | End Pressure / Vacuum (in Hg) | Duration (minutes) | Flow Rate (m ³ /min or L/min) | Total Volume Sampled (m ³ or L) | Proj. Manager: AN 3/20/25 | | AcctNum / Client ID: ENGREMRWA | | | | | | |
| FALCO-300-INT-20250324 | SV | 20269 | 22615 | 3/24 | 1405 | 3/24 | 1410 | 29 | 4 | X | | | 4839621-a1 |
| FALCO-300-EFF-20250324 | ↓ | 20620 | 7470 | ↓ | 1420 | ↓ | 1425 | 29 | 4 | X | | | 82 |

4416 7182 0059

Sample Receipt Checklist

COC Seal Present/Intact: Y N NP

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Unused: _____

Size: _____ 1L _____ 6L 2 1.4L

Tag Color: G W X P B

Condition: OK NCF

| | | | | |
|---|--------------------------------|---|-------------------------------------|---|
| Customer Remarks / Special Conditions / Possible Hazards: | | Collected By: ERRG | Additional Instructions from Pace*: | |
| | | Printed Name: Fernando Idiarte | | |
| | | Signature: <i>[Signature]</i> | # Coolers: | Thermometer ID: |
| | | Received by/Company: (Signature) FEDER | Correction Factor (°C): | Obs. Temp. (°C): |
| Relinquished by/Company: (Signature) <i>[Signature]</i> | Date/Time: 3/24/25 1515 | Received by/Company: (Signature) | Date/Time: | Tracking Number: |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: 3-25-25 0900 | Delivered by: In-Person Courier |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | <input checked="" type="checkbox"/> FedEX <input type="checkbox"/> UPS <input type="checkbox"/> Other |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Page: <u>2</u> of <u>2</u> |

Engineering/Remediation Resources Group

Sample Delivery Group: L1841690
Samples Received: 03/29/2025
Project Number: 20230065
Description: Former Cricle K
Site: 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

SAMPLE SUMMARY

MW-18 L1841690-01 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 09:07
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 19:31 | 04/04/25 19:31 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 09:08 | 04/06/25 09:08 | WHS | Mt. Juliet, TN |



MW-20 L1841690-02 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 09:08
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 10 | 04/04/25 23:28 | 04/04/25 23:28 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 250 | 04/06/25 05:20 | 04/06/25 05:20 | WHS | Mt. Juliet, TN |

RW-1 L1841690-03 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 09:33
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 19:52 | 04/04/25 19:52 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 09:27 | 04/06/25 09:27 | WHS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2485762 | 10 | 04/09/25 00:56 | 04/09/25 00:56 | DYW | Mt. Juliet, TN |

MW-9 L1841690-04 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 09:44
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 20:13 | 04/04/25 20:13 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 20 | 04/06/25 05:39 | 04/06/25 05:39 | WHS | Mt. Juliet, TN |

MW-16 L1841690-05 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 10:06
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 20:35 | 04/04/25 20:35 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 09:46 | 04/06/25 09:46 | WHS | Mt. Juliet, TN |

MW-8 L1841690-06 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 10:12
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 5 | 04/04/25 23:50 | 04/04/25 23:50 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 50 | 04/06/25 05:58 | 04/06/25 05:58 | WHS | Mt. Juliet, TN |

MW-15 L1841690-07 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 10:31
 Received date/time: 03/29/25 09:00

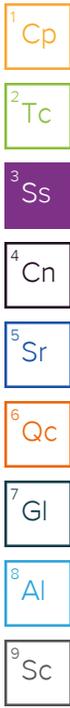
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 20:56 | 04/04/25 20:56 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 10:05 | 04/06/25 10:05 | WHS | Mt. Juliet, TN |

SAMPLE SUMMARY

MW-6 L1841690-08 GW

Collected by Blaine Tech Collected date/time 03/28/25 10:38 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 21:18 | 04/04/25 21:18 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 10:24 | 04/06/25 10:24 | WHS | Mt. Juliet, TN |



MW-14 L1841690-09 GW

Collected by Blaine Tech Collected date/time 03/28/25 10:56 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 21:39 | 04/04/25 21:39 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 10:43 | 04/06/25 10:43 | WHS | Mt. Juliet, TN |

MW-13 L1841690-10 GW

Collected by Blaine Tech Collected date/time 03/28/25 11:11 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 10 | 04/05/25 00:11 | 04/05/25 00:11 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 50 | 04/06/25 06:17 | 04/06/25 06:17 | WHS | Mt. Juliet, TN |

MW-19 L1841690-11 GW

Collected by Blaine Tech Collected date/time 03/28/25 11:34 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 10 | 04/05/25 00:33 | 04/05/25 00:33 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 100 | 04/06/25 06:36 | 04/06/25 06:36 | WHS | Mt. Juliet, TN |

MW-21 L1841690-12 GW

Collected by Blaine Tech Collected date/time 03/28/25 11:39 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 10 | 04/05/25 00:55 | 04/05/25 00:55 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 500 | 04/06/25 06:55 | 04/06/25 06:55 | WHS | Mt. Juliet, TN |

MW-17 L1841690-13 GW

Collected by Blaine Tech Collected date/time 03/28/25 12:06 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 22:01 | 04/04/25 22:01 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 11:02 | 04/06/25 11:02 | WHS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2485762 | 25 | 04/09/25 01:16 | 04/09/25 01:16 | DYW | Mt. Juliet, TN |

DUP-1 L1841690-14 GW

Collected by Blaine Tech Collected date/time 03/28/25 12:00 Received date/time 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2484900 | 1 | 04/08/25 00:38 | 04/08/25 00:38 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 10 | 04/06/25 07:14 | 04/06/25 07:14 | WHS | Mt. Juliet, TN |

SAMPLE SUMMARY

TB-01 L1841690-15 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 12:10
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 17:22 | 04/04/25 17:22 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 08:30 | 04/06/25 08:30 | WHS | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

TB-02 L1841690-16 GW

Collected by: Blaine Tech
 Collected date/time: 03/28/25 12:11
 Received date/time: 03/29/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2483497 | 1 | 04/04/25 17:01 | 04/04/25 17:01 | CDD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2484067 | 1 | 04/06/25 08:49 | 04/06/25 08:49 | WHS | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 19:31 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.1 | | 78.0-120 | | 04/04/2025 19:31 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Trichloroethene | 2.85 | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| cis-1,2-Dichloroethene | 1.91 | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Tetrachloroethene | 82.5 | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 09:08 | WG2484067 |
| (S) Toluene-d8 | 96.2 | | 80.0-120 | | 04/06/2025 09:08 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.3 | | 77.0-126 | | 04/06/2025 09:08 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 04/06/2025 09:08 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 25400 | | 1000 | 10 | 04/04/2025 23:28 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.9 | | 78.0-120 | | 04/04/2025 23:28 | WG2483497 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 2420 | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| Ethylbenzene | 886 | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| Toluene | 3070 | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| Xylenes, Total | 4620 | | 750 | 250 | 04/06/2025 05:20 | WG2484067 |
| Trichloroethene | ND | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| Tetrachloroethene | ND | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| Vinyl chloride | ND | | 250 | 250 | 04/06/2025 05:20 | WG2484067 |
| (S) Toluene-d8 | 96.4 | | 80.0-120 | | 04/06/2025 05:20 | WG2484067 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 04/06/2025 05:20 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 04/06/2025 05:20 | WG2484067 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 128 | <u>B</u> | 100 | 1 | 04/04/2025 19:52 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.0 | | 78.0-120 | | 04/04/2025 19:52 | WG2483497 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| Trichloroethene | 19.9 | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| cis-1,2-Dichloroethene | 6.35 | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| Tetrachloroethene | 363 | | 10.0 | 10 | 04/09/2025 00:56 | WG2485762 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 09:27 | WG2484067 |
| (S) Toluene-d8 | 94.6 | | 80.0-120 | | 04/06/2025 09:27 | WG2484067 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 04/09/2025 00:56 | WG2485762 |
| (S) 4-Bromofluorobenzene | 98.0 | | 77.0-126 | | 04/06/2025 09:27 | WG2484067 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 04/09/2025 00:56 | WG2485762 |
| (S) 1,2-Dichloroethane-d4 | 108 | | 70.0-130 | | 04/06/2025 09:27 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 04/09/2025 00:56 | WG2485762 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|---------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 5000 | | 100 | 1 | 04/04/2025 20:13 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9 | | 78.0-120 | | 04/04/2025 20:13 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Ethylbenzene | 271 | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Toluene | 20.4 | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Xylenes, Total | 508 | | 60.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Trichloroethene | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Tetrachloroethene | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| Vinyl chloride | ND | | 20.0 | 20 | 04/06/2025 05:39 | WG2484067 |
| (S) Toluene-d8 | 96.1 | | 80.0-120 | | 04/06/2025 05:39 | WG2484067 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 04/06/2025 05:39 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 04/06/2025 05:39 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 20:35 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.4 | | 78.0-120 | | 04/04/2025 20:35 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Trichloroethene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 09:46 | WG2484067 |
| (S) Toluene-d8 | 96.8 | | 80.0-120 | | 04/06/2025 09:46 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.7 | | 77.0-126 | | 04/06/2025 09:46 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 99.9 | | 70.0-130 | | 04/06/2025 09:46 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 16200 | | 500 | 5 | 04/04/2025 23:50 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.2 | | 78.0-120 | | 04/04/2025 23:50 | WG2483497 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| Ethylbenzene | 570 | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| Toluene | 72.5 | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| Xylenes, Total | 2440 | | 150 | 50 | 04/06/2025 05:58 | WG2484067 |
| Trichloroethene | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| Tetrachloroethene | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| Vinyl chloride | ND | | 50.0 | 50 | 04/06/2025 05:58 | WG2484067 |
| (S) Toluene-d8 | 95.6 | | 80.0-120 | | 04/06/2025 05:58 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.6 | | 77.0-126 | | 04/06/2025 05:58 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 99.6 | | 70.0-130 | | 04/06/2025 05:58 | WG2484067 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 20:56 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.4 | | 78.0-120 | | 04/04/2025 20:56 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Trichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 10:05 | WG2484067 |
| (S) Toluene-d8 | 97.2 | | 80.0-120 | | 04/06/2025 10:05 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.8 | | 77.0-126 | | 04/06/2025 10:05 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 04/06/2025 10:05 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 21:18 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.5 | | 78.0-120 | | 04/04/2025 21:18 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 19.1 | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Ethylbenzene | 1.22 | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Trichloroethene | 3.02 | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| cis-1,2-Dichloroethene | 6.70 | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| Vinyl chloride | 13.2 | | 1.00 | 1 | 04/06/2025 10:24 | WG2484067 |
| (S) Toluene-d8 | 98.1 | | 80.0-120 | | 04/06/2025 10:24 | WG2484067 |
| (S) 4-Bromofluorobenzene | 97.9 | | 77.0-126 | | 04/06/2025 10:24 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 04/06/2025 10:24 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 21:39 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.7 | | 78.0-120 | | 04/04/2025 21:39 | WG2483497 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Benzene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Trichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 10:43 | WG2484067 |
| (S) Toluene-d8 | 96.8 | | 80.0-120 | | 04/06/2025 10:43 | WG2484067 |
| (S) 4-Bromofluorobenzene | 97.9 | | 77.0-126 | | 04/06/2025 10:43 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 04/06/2025 10:43 | WG2484067 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 8290 | | 1000 | 10 | 04/05/2025 00:11 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.6 | | 78.0-120 | | 04/05/2025 00:11 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 180 | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| Ethylbenzene | 61.3 | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| Toluene | 138 | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| Xylenes, Total | 1360 | | 150 | 50 | 04/06/2025 06:17 | WG2484067 |
| Trichloroethene | ND | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| Tetrachloroethene | ND | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| Vinyl chloride | ND | | 50.0 | 50 | 04/06/2025 06:17 | WG2484067 |
| (S) Toluene-d8 | 96.1 | | 80.0-120 | | 04/06/2025 06:17 | WG2484067 |
| (S) 4-Bromofluorobenzene | 99.9 | | 77.0-126 | | 04/06/2025 06:17 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 04/06/2025 06:17 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 13500 | | 1000 | 10 | 04/05/2025 00:33 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.8 | | 78.0-120 | | 04/05/2025 00:33 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 122 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| Ethylbenzene | 725 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| Toluene | 802 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| Xylenes, Total | 3430 | | 300 | 100 | 04/06/2025 06:36 | WG2484067 |
| Trichloroethene | 185 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| cis-1,2-Dichloroethene | 142 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| Tetrachloroethene | 419 | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| Vinyl chloride | ND | | 100 | 100 | 04/06/2025 06:36 | WG2484067 |
| (S) Toluene-d8 | 95.4 | | 80.0-120 | | 04/06/2025 06:36 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.4 | | 77.0-126 | | 04/06/2025 06:36 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 04/06/2025 06:36 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 47200 | | 1000 | 10 | 04/05/2025 00:55 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 83.9 | | 78.0-120 | | 04/05/2025 00:55 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | 9270 | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Ethylbenzene | 1540 | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Toluene | 8460 | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Xylenes, Total | 7400 | | 1500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Trichloroethene | ND | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Tetrachloroethene | ND | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| Vinyl chloride | ND | | 500 | 500 | 04/06/2025 06:55 | WG2484067 |
| (S) Toluene-d8 | 96.8 | | 80.0-120 | | 04/06/2025 06:55 | WG2484067 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 04/06/2025 06:55 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 04/06/2025 06:55 | WG2484067 |

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | 276 | <u>B</u> | 100 | 1 | 04/04/2025 22:01 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3 | | 78.0-120 | | 04/04/2025 22:01 | WG2483497 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| Trichloroethene | 56.5 | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| cis-1,2-Dichloroethene | 21.0 | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| Tetrachloroethene | 1030 | | 25.0 | 25 | 04/09/2025 01:16 | WG2485762 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 11:02 | WG2484067 |
| (S) Toluene-d8 | 94.4 | | 80.0-120 | | 04/06/2025 11:02 | WG2484067 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 04/09/2025 01:16 | WG2485762 |
| (S) 4-Bromofluorobenzene | 99.6 | | 77.0-126 | | 04/06/2025 11:02 | WG2484067 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 04/09/2025 01:16 | WG2485762 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 04/06/2025 11:02 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 04/09/2025 01:16 | WG2485762 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/08/2025 00:38 | WG2484900 |
| (S) a,a,a-Trifluorotoluene(FID) | 85.0 | | 78.0-120 | | 04/08/2025 00:38 | WG2484900 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Ethylbenzene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Toluene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Xylenes, Total | ND | | 30.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Trichloroethene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Tetrachloroethene | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| Vinyl chloride | ND | | 10.0 | 10 | 04/06/2025 07:14 | WG2484067 |
| (S) Toluene-d8 | 96.3 | | 80.0-120 | | 04/06/2025 07:14 | WG2484067 |
| (S) 4-Bromofluorobenzene | 97.8 | | 77.0-126 | | 04/06/2025 07:14 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 100 | | 70.0-130 | | 04/06/2025 07:14 | WG2484067 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 17:22 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.3 | | 78.0-120 | | 04/04/2025 17:22 | WG2483497 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Trichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 08:30 | WG2484067 |
| (S) Toluene-d8 | 96.9 | | 80.0-120 | | 04/06/2025 08:30 | WG2484067 |
| (S) 4-Bromofluorobenzene | 98.7 | | 77.0-126 | | 04/06/2025 08:30 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 04/06/2025 08:30 | WG2484067 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Gasoline Range Organics-NWTPH | ND | | 100 | 1 | 04/04/2025 17:01 | WG2483497 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.9 | | 78.0-120 | | 04/04/2025 17:01 | WG2483497 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Ethylbenzene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Toluene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Xylenes, Total | ND | | 3.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Trichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Tetrachloroethene | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| Vinyl chloride | ND | | 1.00 | 1 | 04/06/2025 08:49 | WG2484067 |
| (S) Toluene-d8 | 96.3 | | 80.0-120 | | 04/06/2025 08:49 | WG2484067 |
| (S) 4-Bromofluorobenzene | 99.7 | | 77.0-126 | | 04/06/2025 08:49 | WG2484067 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 04/06/2025 08:49 | WG2484067 |

Method Blank (MB)

(MB) R4196111-2 04/04/25 16:12

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 42.4 | J | 31.6 | 100 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.5 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4196111-1 04/04/25 14:07

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5000 | 4910 | 98.2 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 102 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4196334-2 04/07/25 22:21

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| Gasoline Range Organics-NWTPH | 32.8 | ↓ | 31.6 | 100 |
| (S) a,a,a-Trifluorotoluene(FID) | 86.2 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4196334-1 04/07/25 21:35

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gasoline Range Organics-NWTPH | 5000 | 4600 | 92.0 | 70.0-124 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 88.8 | 78.0-120 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4196703-3 04/06/25 05:01

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.0941 | 1.00 |
| Ethylbenzene | U | | 0.137 | 1.00 |
| Toluene | U | | 0.278 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| (S) Toluene-d8 | 96.2 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 99.6 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4196703-1 04/06/25 04:04 • (LCSD) R4196703-2 04/06/25 04:23

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 5.00 | 5.14 | 5.45 | 103 | 109 | 70.0-123 | | | 5.85 | 20 |
| Ethylbenzene | 5.00 | 4.60 | 4.74 | 92.0 | 94.8 | 79.0-123 | | | 3.00 | 20 |
| Toluene | 5.00 | 4.71 | 4.95 | 94.2 | 99.0 | 79.0-120 | | | 4.97 | 20 |
| Xylenes, Total | 15.0 | 13.8 | 14.8 | 92.0 | 98.7 | 79.0-123 | | | 6.99 | 20 |
| Trichloroethene | 5.00 | 5.03 | 5.25 | 101 | 105 | 78.0-124 | | | 4.28 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 4.87 | 5.16 | 97.4 | 103 | 73.0-120 | | | 5.78 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 4.96 | 5.46 | 99.2 | 109 | 73.0-120 | | | 9.60 | 20 |
| Tetrachloroethene | 5.00 | 4.40 | 4.97 | 88.0 | 99.4 | 72.0-132 | | | 12.2 | 20 |
| Vinyl chloride | 5.00 | 5.50 | 5.78 | 110 | 116 | 67.0-131 | | | 4.96 | 20 |
| (S) Toluene-d8 | | | | 94.4 | 94.3 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 99.6 | 99.8 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 104 | 104 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4197129-3 04/08/25 22:39

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene | U | | 0.300 | 1.00 |
| (S) Toluene-d8 | 104 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 96.9 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 119 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4197129-1 04/08/25 21:38 • (LCSD) R4197129-2 04/08/25 21:58

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Tetrachloroethene | 5.00 | 5.95 | 5.94 | 119 | 119 | 72.0-132 | | | 0.168 | 20 |
| (S) Toluene-d8 | | | | 105 | 103 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 102 | 99.4 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 117 | 117 | 70.0-130 | | | | |



GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |



ACCREDITATIONS & LOCATIONS

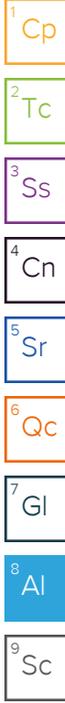
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: **Engineering/Remediation Resources Group**
 15333 NE 90th Street

Billing Information: **Jennifer Sonnichsen | Accounts Payable**
 15333 NE 90th Street Ste 100
 Redmond, WA 98053

Report to: **Jennifer Sonnichsen 425-658-5026**

Email To: **jennifer.sonnichsen@errg.com; spencer.slomins@errg.com**

Analysis / Container / Preservative

Chain of Custody Page **2** of **2**



MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Project Description: **FORMER CIRCLE K** City/State Collected: **Seattle WA** Please Circle: **(PT)** MT CT ET

Regulatory Program(DOD,RCRA,DW,etc): **ECOLOGY EIM** Client Project #: **20230065** Lab Project #: **ENGREMRWA-CIRCLE K**

Collected by (print): **BLAINE** Site/Facility ID #: **1461** P.O. #: **230065-PA-01**

Collected by (signature): *[Signature]* **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day STD TAT

Quote # _____ Date Results Needed _____

Immediately Packed on Ice **N** **Y**

| | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------------------|-----------------------|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| NWTPHGX 40mlAmb HCl | NWTPHGX 40mlAmb-HCl-Bik | V8260BTEX 40mlAmb-HCl | V8260BTEX 40mlAmb-HCl-Bik | | | | | | | | | | | | | | | | | |
|---------------------|-------------------------|-----------------------|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

SDG # **1841690**
B038

Acctnum: **ENGREMRWA**
 Template: **T263464**
 Prelogin: **P1132794**
 PM: **3500 - Jennifer Gambill**
 PB: _____
 Shipped Via: **FedEX Ground**

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | Ng. of Cntrs | | | | | | | | | | | | | | | | |
|-----------|-----------|----------|-------|---------|------|--------------|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|-----|
| MW-18 | GRAB | GW | N/A | 3/28/25 | 0907 | 6 | X | | X | | | | | | | | | | | | | -01 |
| MW-20 | | GW | | | 0908 | 6 | X | | X | | | | | | | | | | | | | -02 |
| RW-1 | | GW | | | 0933 | 6 | X | | X | | | | | | | | | | | | | -03 |
| MW-9 | | GW | | | 0944 | 6 | X | | X | | | | | | | | | | | | | -04 |
| MW-16 | | GW | | | 1006 | 6 | X | | X | | | | | | | | | | | | | -05 |
| MW-8 | | GW | | | 1012 | 6 | X | | X | | | | | | | | | | | | | -06 |
| MW-15 | | GW | | | 1031 | 6 | X | | X | | | | | | | | | | | | | -07 |
| MW-6 | | GW | | | 1038 | 6 | X | | X | | | | | | | | | | | | | -08 |
| MW-14 | | GW | | | 1056 | 6 | X | | X | | | | | | | | | | | | | -09 |
| MW-13 | | GW | | | 1111 | 6 | X | | X | | | | | | | | | | | | | -10 |

* Matrix: **SS - Soil AIR - Air F - Filter**
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: **VOCs - BTEX + TCE, cDCE, + DCE, PCE ONLY** pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier _____ Tracking # **4251 0929 6150**

Sample Receipt Checklist

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

| | | | | | | | |
|--|----------------------|-------------------|--|--|----------------------|-----------------------------------|--|
| Relinquished by: (Signature) <i>KC CJ BLAINE</i> | Date: 3/28/25 | Time: 1215 | Received by: (Signature) <i>[Signature]</i> | Trip Blank Received: Yes/No 4/1 | Temp: T1A9 °C | Bottles Received: 4+4=8 B4 | If preservation required by Login: Date/Time |
| Relinquished by: (Signature) <i>[Signature]</i> | Date: 3/28/25 | Time: 1330 | Received by: (Signature) FEDEX | | | | |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) <i>Alysa Matichen</i> | Date: 3/29/25 | Time: 0900 | Hold: | Condition: NCF / OK |

Appendix C.

Data Validation Reports During Reporting Period



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG
15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

March 26, 2025

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on March 19, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60725:

SDG #

L1818502

Fraction

Volatile Organic Compound

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60725 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | VOCs (TO-15) |
|--------------|----------|---------------|---------------|------------------|--------------|
| Matrix Type: | | | | | Air |
| A | L1818502 | 3/19/25 | 4/9/25 | Stage 2A | 2 |
| Total | PM: PG | | | | 2 |

These sample counts do not include MS/MSD, and DUPs.
EDD: EIM

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Circle K
LDC Report Date: March 25, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1818502

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| FALCO-300-INF-20250117 | L1818502-01 | Air | 01/17/25 |
| FALCO-300-EFF-20250117 | L1818502-02 | Air | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. Laboratory Blanks/Canister

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

Canister blank analyses were performed for every sample canister.

III. Field Blanks

No field blanks were identified in this SDG.

IV. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits with the following exceptions:

| Sample | Surrogate | %R (60-140) | Affected Analyte | Flag | A or P |
|------------------------|------------------------|-------------|--|--|--------|
| FALCO-300-INF-20250117 | 1,4-Bromofluorobenzene | 345 | Benzene Cyclohexane Ethylbenzene 4-Ethyltoluene Heptane n-Hexane Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 2,2,4-Trimethylpentane m&p-Xylene o-Xylene Xylenes total TPH as low fraction | J+ (all detects) J+ (all detects) | A |

V. Matrix Spike/Matrix Spike Duplicate

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

No field duplicates were identified in this SDG.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to surrogate %R are summarized and presented in the Data Qualification Summary.

**Circle K
Volatile Organic Analytes - Data Qualification Summary - SDG L1818502**

| Sample | Analyte | Flag | A or P | Reason |
|------------------------|--|--|--------|-----------------|
| FALCO-300-INF-20250117 | Benzene Cyclohexane Ethylbenzene 4-Ethyltoluene Heptane n-Hexane Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 2,2,4-Trimethylpentane m&p-Xylene o-Xylene Xylenes total TPH as low fraction | J+ (all detects) J+ (all detects) | A | Surrogates (%R) |

**Circle K
Volatile Organic Analytes - Laboratory Blank Data Qualification Summary - SDG L1818502**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Analytes - Field Blank Data Qualification Summary - SDG L1818502**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60725A
 SDG #: L1818502
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Volatiles (EPA TO-15)

Date: 3/20/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: A

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|----------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks /canister | A/A | |
| III | Field blanks | N | |
| IV | Surrogate spikes | SW | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | N | |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|----------------------------|-------------|---------|--------|------------|----------|
| 1 | 1 2 FALCO-300-INF-20250117 | L1818502-01 | | Air | 01/17/2025 | Stage 2A |
| 2 | 1 2 FALCO-300-EFF-20250117 | L1818502-02 | | Air | 01/17/2025 | Stage 2A |
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Notes:

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|-------------------|--|--|
| 1 (MB) R4168842-3 | | |
| 2 (MB) R4169161-3 | | |
| | | |

VALIDATION FINDINGS WORKSHEET Surrogate Recovery

METHOD: GC/MS Volatiles (EPA SW-846 Method TO-15)
 Surrogates were added to all samples as required by the method.
 All surrogate recoveries (%R) were within QC limits with the exceptions identified below.

| # | Sample ID | Surrogate Compound | %R | Limits | Qualifications |
|---|------------|------------------------|-----|--------|--|
| | 1 (DET+ND) | 1,4-Bromofluorobenzene | 345 | 60-140 | J+DET/A (Qual all except Benzene, Cyclohexane, Ethylbenzene, 4-Ethyltoluene, Heptane, n-Hexane, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2,2,4-Trimethylpentane, m&p-Xylene, o-Xylene, Xylenes Total, TPH (GC/MS) Low Fraction |
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DFM = Dibromofluoromethane DCE = 1,2-Dichloroethane-d4 TOL = Toluene-d8 BFB = Bromofluorobenzene



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG

March 19, 2025

15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on January 30, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60540:

SDG #

Fraction

L1818655

Volatile Organic Compound, Oil & Grease, Gasoline Range Organics

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60540 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | (9) VOCs (8260D) | GRO (NWTPH-Gx) | Oil & Grease (1664B) |
|--------------|----------|---------------|---------------|------------------|------------------|----------------|----------------------|
| Matrix Type: | | | | | Water | Water | Water |
| A | L1818655 | 1/30/25 | 2/21/25 | Stage 2A | 5 | 5 | 6 |
| Total | PM: PG | | | | 5 | 5 | 6 |

These sample counts do not include MS/MSD, and DUPs.

EDD: EIM EDD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: March 19, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1818655

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250117 | L1818655-01 | Water | 01/17/25 |
| LG-403-MID-20250117 | L1818655-02 | Water | 01/17/25 |
| LG-401-INF-20250117 | L1818655-03 | Water | 01/17/25 |
| DUP-3-20250117 | L1818655-04 | Water | 01/17/25 |
| TB-01-20250117 | L1818655-07 | Water | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-01-20250117 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250117 and DUP-3-20250117 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1818655**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1818655**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1818655**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60540A
 SDG #: L1818655
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Volatiles (EPA 8260D)

Date: 2/14/2025
 Page: 1
 Reviewer: Mal
 2nd Reviewer:

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-------|------------|
| I | Sample receipt/Technical holding times | A / A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB=5 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | ND | Dup= 1 + 4 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|------------------------|-------------|---------|--------|------------|----------|
| 1 | 12 LG-404-EFF-20250117 | L1818655-01 | | Water | 01/17/2025 | Stage 2A |
| 2 | 1 LG-403-MID-20250117 | L1818655-02 | | Water | 01/17/2025 | Stage 2A |
| 3 | 1 LG-401-INF-20250117 | L1818655-03 | | Water | 01/17/2025 | Stage 2A |
| 4 | 1 DUP-3-20250117 | L1818655-04 | | Water | 01/17/2025 | Stage 2A |
| 5 | 1 TB-01-20250117 | L1818655-07 | TB | Water | 01/17/2025 | Stage 2A |
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Notes:

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| 1 MB R4169459-4 | | |
| 2 MB R4169735-3 | (000) | |
| | | |

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K

LDC Report Date: March 19, 2025

Parameters: Gasoline Range Organics

Validation Level: Stage 2A

Laboratory: Pace Analytical National, Mount Juliet, TN

Sample Delivery Group (SDG): L1818655

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| LG-404-EFF-20250117 | L1818655-01 | Water | 01/17/25 |
| LG-403-MID-20250117 | L1818655-02 | Water | 01/17/25 |
| LG-401-INF-20250117 | L1818655-03 | Water | 01/17/25 |
| DUP-3-20250117 | L1818655-04 | Water | 01/17/25 |
| TB-01-20250117 | L1818655-07 | Water | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-01-20250117 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250117 and DUP-3-20250117 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (mg/L) | | RPD |
|-------------------------|----------------------|----------------|----------------|
| | LG-404-EFF-20250117 | DUP-3-20250117 | |
| Gasoline range organics | 0.100U | 0.119 | Not calculable |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1818655**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1818655**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1818655**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60540A
 SDG #: L1818655
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 2/14/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: [Signature]

Method: TPH (NWTPH-Gx), GRO

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|-----------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB = 5 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS |
| VII | Field duplicates | SW | Dup = 1+4 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|---------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250117 | L1818655-01 | | Water | 01/17/2025 | Stage 2A |
| 2 | LG-403-MID-20250117 | L1818655-02 | | Water | 01/17/2025 | Stage 2A |
| 3 | LG-401-INF-20250117 | L1818655-03 | | Water | 01/17/2025 | Stage 2A |
| 4 | DUP-3-20250117 | L1818655-04 | | Water | 01/17/2025 | Stage 2A |
| 5 | TB-01-20250117 | L1818655-07 | TB | Water | 01/17/2025 | Stage 2A |
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Notes:

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| 1 MB R4169191-2 | | |
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VALIDATION FINDINGS WORKSHEET
Field Duplicates**Method: GC Gasoline Range Organics (Method NWTPH-GX)**

| Compound | Concentration (mg/l) | | RPD |
|-------------------------------|-----------------------|-------|-----|
| | 1 | 4 | |
| Gasoline Range Organics-NWTPH | 0.100U | 0.119 | NC |

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Circle K
LDC Report Date: March 19, 2025
Parameters: Oil and Grease
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1818655

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250117 | L1818655-01 | Water | 01/17/25 |
| LG-403-MID-20250117 | L1818655-02 | Water | 01/17/25 |
| LG-401-INF-20250117 | L1818655-03 | Water | 01/17/25 |
| DUP-3-20250117 | L1818655-04 | Water | 01/17/25 |
| DUP-1-20250117 | L1818655-05 | Water | 01/17/25 |
| DUP-2-20250117 | L1818655-06 | Water | 01/17/25 |
| LG-404-EFF-20250117MS | L1818655-01MS | Water | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Oil and Grease by Environmental Protection Agency (EPA) Method 1664B

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

No field blanks were identified in this SDG.

IV. Surrogates

Surrogates were not performed for this SDG.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Quadruplicate

Samples LG-404-EFF-20250117, DUP-3-20250117, DUP-1-20250117, and DUP-2-20250117 were identified as field quadruplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Oil and Grease - Data Qualification Summary - SDG L1818655**

No Sample Data Qualified in this SDG

**Circle K
Oil and Grease - Laboratory Blank Data Qualification Summary - SDG L1818655**

No Sample Data Qualified in this SDG

**Circle K
Oil and Grease - Field Blank Data Qualification Summary - SDG L1818655**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60540A
 SDG #: L1818655
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Oil and Grease (EPA 1664B)

Date: 2/14/2025
 Page: 1/1
 Reviewer: MR/NF
 2nd Reviewer: [Signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|----------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | N | |
| IV | Surrogate spikes | N | |
| V | Matrix spike/Matrix spike duplicates | A | |
| VI | Laboratory control samples | A | LCs/LCSD |
| VII | Field duplicates / FQ | ND | |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank FQ = Field Quadruplicate
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|-----------------------|---------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250117 | L1818655-01 | FQ | Water | 01/17/2025 | Stage 2A |
| 2 | LG-403-MID-20250117 | L1818655-02 | | Water | 01/17/2025 | Stage 2A |
| 3 | LG-401-INF-20250117 | L1818655-03 | | Water | 01/17/2025 | Stage 2A |
| 4 | DUP-3-20250117 | L1818655-04 | FQ | Water | 01/17/2025 | Stage 2A |
| 5 | DUP-1-20250117 | L1818655-05 | FQ | Water | 01/17/2025 | Stage 2A |
| 6 | DUP-2-20250117 | L1818655-06 | FQ | Water | 01/17/2025 | Stage 2A |
| 7 | LG-404-EFF-20250117MS | L1818655-01MS | MS | Water | 01/17/2025 | Stage 2A |
| | | | | | | |
| | | | | | | |
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Notes:

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Sample Specific Element Reference

All elements are applicable to each sample as noted below.

| Sample ID | Target Analyte List |
|-----------|---------------------|
| 1-6 | Oil and Grease |
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LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG
15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

May 16, 2025

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on February 6, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60566_RV1:

SDG #

Fraction

L1818670

Volatile Organic Compound, Gasoline Range Organics

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60566 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | BTEX (8260D) | GRO (NWTPH-Gx) |
|--------------|----------|---------------|---------------|------------------|--------------|----------------|
| Matrix Type: | | | | | Water | Water |
| A | L1818670 | 2/6/25 | 2/28/25 | Stage 2A | 15 | 15 |
| Total | PM: PG | | | | 15 | 15 |

These sample counts do not include MS/MSD, and DUPs.
 EDD: EIM EDD

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Circle K
LDC Report Date: May 16, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1818670

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| MW-21 | L1818670-01 | Water | 01/17/25 |
| MW-9 | L1818670-02 | Water | 01/17/25 |
| MW-8 | L1818670-03 | Water | 01/17/25 |
| MW-13 | L1818670-04 | Water | 01/17/25 |
| MW-20 | L1818670-05 | Water | 01/17/25 |
| MW-6 | L1818670-06 | Water | 01/17/25 |
| MW-19 | L1818670-07 | Water | 01/17/25 |
| MW-14 | L1818670-08 | Water | 01/17/25 |
| MW-16 | L1818670-09 | Water | 01/17/25 |
| MW-15 | L1818670-10 | Water | 01/17/25 |
| MW-17 | L1818670-11 | Water | 01/17/25 |
| MW-18 | L1818670-12 | Water | 01/17/25 |
| RW-1 | L1818670-13 | Water | 01/17/25 |
| DUP-1 | L1818670-14 | Water | 01/17/25 |
| TB-01 | L1818670-15 | Water | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) which are Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-01 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples MW-9 and DUP-1 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (mg/L) | | RPD |
|----------------|----------------------|-------|-----|
| | MW-9 | DUP-1 | |
| Ethylbenzene | 0.156 | 0.198 | 24 |
| Xylenes, Total | 0.203 | 0.247 | 20 |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1818670**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1818670**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1818670**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60566A
 SDG #: L1818670
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 2/21/2025
 Page: 1
 Reviewer: MAJ
 2nd Reviewer: [Signature]

Method: Volatiles (EPA 8260D), BTEX

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|--------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB=15, R=15 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | SW | DUP= 32 + 14 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|----|-----------|-------------|---------|--------|------------|----------|
| 1 | MW-21 | L1818670-01 | | Water | 01/17/2025 | Stage 2A |
| 2 | MW-9 | L1818670-02 | | Water | 01/17/2025 | Stage 2A |
| 3 | MW-8 | L1818670-03 | | Water | 01/17/2025 | Stage 2A |
| 4 | MW-13 | L1818670-04 | | Water | 01/17/2025 | Stage 2A |
| 5 | MW-20 | L1818670-05 | | Water | 01/17/2025 | Stage 2A |
| 6 | MW-6 | L1818670-06 | | Water | 01/17/2025 | Stage 2A |
| 7 | MW-19 | L1818670-07 | | Water | 01/17/2025 | Stage 2A |
| 8 | MW-14 | L1818670-08 | | Water | 01/17/2025 | Stage 2A |
| 9 | MW-16 | L1818670-09 | | Water | 01/17/2025 | Stage 2A |
| 10 | MW-15 | L1818670-10 | | Water | 01/17/2025 | Stage 2A |
| 11 | MW-17 | L1818670-11 | | Water | 01/17/2025 | Stage 2A |
| 12 | MW-18 | L1818670-12 | | Water | 01/17/2025 | Stage 2A |
| 13 | RW-1 | L1818670-13 | Rinsate | Water | 01/17/2025 | Stage 2A |
| 14 | DUP-1 | L1818670-14 | FD | Water | 01/17/2025 | Stage 2A |
| 15 | TB-01 | L1818670-15 | TB | Water | 01/17/2025 | Stage 2A |

Notes:

| | | |
|-----------------|--|--|
| 1 MB R4168690-3 | | |
| 2 MB R4169437-3 | | |
| 3 MB R4169436-3 | | |

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

| Compound | Concentration (mg/L) | | RPD |
|-----------------|------------------------|-------|-----|
| | 2 | 14 | |
| Ethylbenzene | 0.156 | 0.198 | 24 |
| Xylenes, Total | 0.203 | 0.247 | 20 |

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 16, 2025
Parameters: Gasoline Range Organics
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1818670

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| MW-21 | L1818670-01 | Water | 01/17/25 |
| MW-9 | L1818670-02 | Water | 01/17/25 |
| MW-8 | L1818670-03 | Water | 01/17/25 |
| MW-13 | L1818670-04 | Water | 01/17/25 |
| MW-20 | L1818670-05 | Water | 01/17/25 |
| MW-6 | L1818670-06 | Water | 01/17/25 |
| MW-19 | L1818670-07 | Water | 01/17/25 |
| MW-14 | L1818670-08 | Water | 01/17/25 |
| MW-16 | L1818670-09 | Water | 01/17/25 |
| MW-15 | L1818670-10 | Water | 01/17/25 |
| MW-17 | L1818670-11 | Water | 01/17/25 |
| MW-18 | L1818670-12 | Water | 01/17/25 |
| RW-1 | L1818670-13 | Water | 01/17/25 |
| DUP-1 | L1818670-14 | Water | 01/17/25 |
| TB-01 | L1818670-15 | Water | 01/17/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

| Blank ID | Analysis Date | Analyte | Concentration (mg/L) | Associated Samples |
|-----------------|---------------|-------------------------|----------------------|-----------------------------|
| (MB) R4169122-4 | 01/21/25 | Gasoline range organics | 0.0995 | All samples in SDG L1818670 |

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated laboratory blanks with the following exceptions:

| Sample | Analyte | Reported Concentration (mg/L) | Modified Final Concentration (mg/L) |
|--------|-------------------------|-------------------------------|-------------------------------------|
| MW-6 | Gasoline range organics | 0.263 | 0.263J+ |
| MW-17 | Gasoline range organics | 0.300 | 0.300J+ |
| MW-18 | Gasoline range organics | 0.117 | 0.117J+ |
| RW-1 | Gasoline range organics | 0.167 | 0.167J+ |

III. Field Blanks

Sample TB-01 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples MW-9 and DUP-1 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (mg/L) | | RPD |
|-------------------------|----------------------|-------|-----|
| | MW-9 | DUP-1 | |
| Gasoline range organics | 3.85 | 5.27 | 31 |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to laboratory blank contamination are summarized and presented in the Data Qualification Summary.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1818670**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1818670**

| Sample | Analyte | Modified Final Concentration (mg/L) |
|--------|-------------------------|-------------------------------------|
| MW-6 | Gasoline range organics | 0.263J+ |
| MW-17 | Gasoline range organics | 0.300J+ |
| MW-18 | Gasoline range organics | 0.117J+ |
| RW-1 | Gasoline range organics | 0.167J+ |

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1818670**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60566A
 SDG #: L1818670
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: TPH (NWTPH-Gx), GRO

Date: 2/21/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: [Signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|---------------------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | SW | |
| III | Field blanks | SW | TB=15 R=15 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | SW | DUP = 3 ² + 14 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage | |
|----|-----------|--------|-------------|---------|-------|------------|----------|
| 1 | 1 | MW-21 | L1818670-01 | | Water | 01/17/2025 | Stage 2A |
| 2 | 1 | MW-9 | L1818670-02 | | Water | 01/17/2025 | Stage 2A |
| 3 | 1 | MW-8 | L1818670-03 | | Water | 01/17/2025 | Stage 2A |
| 4 | 1 | MW-13 | L1818670-04 | | Water | 01/17/2025 | Stage 2A |
| 5 | 1 | MW-20 | L1818670-05 | | Water | 01/17/2025 | Stage 2A |
| 6 | 1 | MW-6 | L1818670-06 | | Water | 01/17/2025 | Stage 2A |
| 7 | 1 | MW-19 | L1818670-07 | | Water | 01/17/2025 | Stage 2A |
| 8 | 1 | MW-14 | L1818670-08 | | Water | 01/17/2025 | Stage 2A |
| 9 | 1 | MW-16 | L1818670-09 | | Water | 01/17/2025 | Stage 2A |
| 10 | 1 | MW-15 | L1818670-10 | | Water | 01/17/2025 | Stage 2A |
| 11 | 1 | MW-17 | L1818670-11 | | Water | 01/17/2025 | Stage 2A |
| 12 | 1 | MW-18 | L1818670-12 | | Water | 01/17/2025 | Stage 2A |
| 13 | 1 | RW-1 | L1818670-13 | Rinsate | Water | 01/17/2025 | Stage 2A |
| 14 | 1 | DUP-1 | L1818670-14 | FD | Water | 01/17/2025 | Stage 2A |
| 15 | 1 | TB-01 | L1818670-15 | TB | Water | 01/17/2025 | Stage 2A |

Notes:

| | | |
|-----------------|--|--|
| 1 MB R410912a-4 | | |
| | | |
| | | |

VALIDATION FINDINGS WORKSHEET

Blanks

Method: GC Gasoline Range Organics (EPA Method NWTPH-GX)

Method blanks were performed at the required frequency and sequence.

No contaminants were found in the method blanks with the exceptions identified below.

Blank analysis date: 1/21/25

Associated samples: ALL (DET> 5X)(ND)

Conc. units: mg/L

| Compound | Blank ID | Sample Identification | | | | | | | |
|-------------------------|-----------------|-----------------------|----------|----------|----------|--|--|--|--|
| | | 6 | 11 | 12 | 13 | | | | |
| | (MB) R4169122-4 | | | | | | | | |
| Gasoline Range Organics | 0.0995 | 0.263/J+ | 0.300/J+ | 0.117/J+ | 0.167/J+ | | | | |
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Blank extraction date: _____

Blank analysis date: _____

Associated samples: _____

Conc. units: _____

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------|----------|-----------------------|--|--|--|--|--|--|--|
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VALIDATION FINDINGS WORKSHEET
Field Duplicates**Method: GC Gasoline Range Organics (EPA Method NWTPH-GX)**

| Compound | Concentration (mg/L) | | RPD |
|-------------------------------|-----------------------|------|-----|
| | 2 | 14 | |
| Gasoline Range Organics-NWTPH | 3.85 | 5.27 | 31 |



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG
15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

March 25, 2025

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on February 24, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60662:

SDG #

L1827337

Fraction

Volatile Organic Compound

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60662 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | VOCs (TO-15) |
|--------------|----------|---------------|---------------|------------------|--------------|
| Matrix Type: | | | | | Air |
| A | L1827337 | 2/24/25 | 3/17/25 | Stage 2A | 4 |
| Total | PM: PG | | | | 4 |

These sample counts do not include MS/MSD, and DUPs.
EDD: EIM EDD

PO 230065-LD-01
Project 20230065

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: March 20, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1827337

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| FALCO-300-INF-20250213 | L1827337-01 | Air | 02/13/25 |
| FALCO-300-EFF-20250213 | L1827337-02 | Air | 02/13/25 |
| VP-3-20250213 | L1827337-03 | Air | 02/13/25 |
| VP-4-20250213 | L1827337-04 | Air | 02/13/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. Laboratory Blanks/Canister

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

| Blank ID | Analysis Date | Analyte | Concentration (ppbv) | Associated Samples |
|-----------------|---------------|---------|----------------------|--|
| (MB) R4177872-3 | 02/16/25 | Acetone | 0.657 | FALCO-300-INF-20250213 FALCO-300-EFF-20250213 VP-3-20250213 VP-4-20250213 |

Canister blank analyses were performed for every sample canister.

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated laboratory blanks with the following exceptions:

| Sample | Analyte | Reported Concentration (ppbv) | Modified Final Concentration (ppbv) |
|------------------------|---------|-------------------------------|-------------------------------------|
| FALCO-300-EFF-20250213 | Acetone | 6.29 | 6.29J+ |
| VP-3-20250213 | Acetone | 3.54 | 3.54J+ |
| VP-4-20250213 | Acetone | 2.77 | 2.77J+ |

III. Field Blanks

No field blanks were identified in this SDG.

IV. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicate

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

No field duplicates were identified in this SDG.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to laboratory blank contamination are summarized and presented in the Data Qualification Summary.

**Circle K
Volatile Organic Analytes - Data Qualification Summary - SDG L1827337**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Analytes - Laboratory Blank Data Qualification Summary - SDG
L1827337**

| Sample | Analyte | Modified Final Concentration (ppbv) |
|------------------------|---------|-------------------------------------|
| FALCO-300-EFF-20250213 | Acetone | 6.29J+ |
| VP-3-20250213 | Acetone | 3.54J+ |
| VP-4-20250213 | Acetone | 2.77J+ |

**Circle K
Volatile Organic Analytes - Field Blank Data Qualification Summary - SDG
L1827337**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60662A
 SDG #: L1827337
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Volatiles (EPA TO-15)

Date: 3/12/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: [Signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks /canister | SW | per sample |
| III | Field blanks | N | |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | N | |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|---------------------------|-------------|---------|--------|------------|----------|
| 1 | 5 FALCO-300-INF-20250213 | L1827337-01 | | Air | 02/13/2025 | Stage 2A |
| 2 | 14 FALCO-300-EFF-20250213 | L1827337-02 | | Air | 02/13/2025 | Stage 2A |
| 3 | 12 VP-3-20250213 | L1827337-03 | | Air | 02/13/2025 | Stage 2A |
| 4 | 12 VP-4-20250213 | L1827337-04 | | Air | 02/13/2025 | Stage 2A |
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Notes:

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|------------------------------------|--|
| 1 (MB) R417872-3 (fude) | |
| 2 (MB) R4178400-3 (Tet) | |
| 4 (MB) R4178377-3 (fude) (partial) | |
| 5 (MB) R4178428-3 | |
| 6 (MB) R4178586-3 (n-Hex) | |



LABORATORY DATA CONSULTANTS, INC.

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ERRG
15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

April 10, 2025

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on March 13, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60707:

SDG #

Fraction

L1831494

Volatile Organic Compound, Gasoline Range Organics, Oil and Grease

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

LDC #60707 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | (9) VOCs (8260D) | GRO (NWTPH-Gx) | Oil & Grease (1664B) |
|--------------|----------|---------------|---------------|------------------|------------------|----------------|----------------------|
| Matrix Type: | | | | | Water | Water | Water |
| A | L1831494 | 3/13/25 | 4/3/25 | Stage 2A | 5 | 5 | 5 |
| Total | PM: PG | | | | 5 | 5 | 5 |

These sample counts do not include MS/MSD, and DUPs.
 EDD: EIM

PO 230065-LD-01
 Project 20230065

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K

LDC Report Date: April 10, 2025

Parameters: Volatile Organic Compounds

Validation Level: Stage 2A

Laboratory: Pace Analytical National, Mount Juliet, TN

Sample Delivery Group (SDG): L1831494

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| LG-404-EFF-20250227 | L1831494-01 | Water | 02/27/25 |
| LG-403-MID-20250227 | L1831494-02 | Water | 02/27/25 |
| LG-401-INF-20250227 | L1831494-03 | Water | 02/27/25 |
| DUP-1-2025027 | L1831494-04 | Water | 02/27/25 |
| TB-1-20250228 | L1831494-06 | Water | 02/27/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-1-20250228 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250227 and DUP-1-2025027 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1831494**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1831494**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1831494**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60707A
 SDG #: L1831494
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Volatiles (EPA 8260D)

Date: 3/18/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: [Signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|------------------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB=5 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS |
| VII | Field duplicates | ND | Dup=1 + 4 5 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinstate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|---------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250227 | L1831494-01 | | Water | 02/27/2025 | Stage 2A |
| 2 | LG-403-MID-20250227 | L1831494-02 | | Water | 02/27/2025 | Stage 2A |
| 3 | LG-401-INF-20250227 | L1831494-03 | | Water | 02/27/2025 | Stage 2A |
| 4 | DUP-1-2025027 | L1831494-04 | FD1 | Water | 02/27/2025 | Stage 2A |
| 5 | TB-1-20250228 | L1831494-06 | TB | Water | 02/27/2025 | Stage 2A |
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Notes:

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| 1 (MB) R4183796-2 | | |
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**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Circle K
LDC Report Date: April 10, 2025
Parameters: Gasoline Range Organics
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1831494

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250227 | L1831494-01 | Water | 02/27/25 |
| LG-403-MID-20250227 | L1831494-02 | Water | 02/27/25 |
| LG-401-INF-20250227 | L1831494-03 | Water | 02/27/25 |
| DUP-1-2025027 | L1831494-04 | Water | 02/27/25 |
| TB-1-20250228 | L1831494-06 | Water | 02/27/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UU (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-1-20250228 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250227 and DUP-1-2025027 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1831494**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1831494**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1831494**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60707A
 SDG #: L1831494
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 3/18/2025
 Page: 1
 Reviewer: MW
 2nd Reviewer: CF

Method: GRO (NWTPH-Gx)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|-------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB=5 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | ND | Dup = 1 + 4 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|---------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250227 | L1831494-01 | | Water | 02/27/2025 | Stage 2A |
| 2 | LG-403-MID-20250227 | L1831494-02 | | Water | 02/27/2025 | Stage 2A |
| 3 | LG-401-INF-20250227 | L1831494-03 | | Water | 02/27/2025 | Stage 2A |
| 4 | DUP-1-2025027 | L1831494-04 | FD1 | Water | 02/27/2025 | Stage 2A |
| 5 | TB-1-20250228 | L1831494-06 | TB | Water | 02/27/2025 | Stage 2A |
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Notes:

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| 1 (MB) R418 3187-3 | | |
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**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Circle K
LDC Report Date: April 10, 2025
Parameters: Oil and Grease
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1831494

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250227 | L1831494-01 | Water | 02/27/25 |
| LG-403-MID-20250227 | L1831494-02 | Water | 02/27/25 |
| LG-401-INF-20250227 | L1831494-03 | Water | 02/27/25 |
| DUP-1-2025027 | L1831494-04 | Water | 02/27/25 |
| DUP-2 | L1831494-05 | Water | 02/27/25 |
| DUP-1-2025027MS | L1831494-04MS | Water | 02/27/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Oil and Grease by Environmental Protection Agency (EPA) Method 1664B

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Samples LG-404-EFF-20250227, DUP-1-2025027, and DUP-2 were identified as field triplicates. No contaminants were found.

IV. Surrogates

Surrogates were not performed for this SDG.

V. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

| Spike ID (Associated Samples) | Analyte | %R (78-114) | Flag | A or P |
|--|----------------|-------------|--|--------|
| DUP-1-2025027MS (All samples in SDG L1831494) | Oil and grease | 64 | J- (all detects) UJ (all non-detects) | A |

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Triplicate

Samples LG-404-EFF-20250227, DUP-1-2025027, and DUP-2 were identified as field triplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to MS/MSD %R are summarized and presented in the Data Qualification Summary.

**Circle K
Oil and Grease - Data Qualification Summary - SDG L1831494**

| Sample | Analyte | Flag | A or P | Reason |
|---|----------------|--|--------|---|
| LG-404-EFF-20250227 LG-403-MID-20250227 LG-401-INF-20250227 DUP-1-2025027 DUP-2 | Oil and grease | J- (all detects) UJ (all non-detects) | A | Matrix spike/Matrix spike duplicates (%R) |

**Circle K
Oil and Grease - Laboratory Blank Data Qualification Summary - SDG L1831494**

No Sample Data Qualified in this SDG

**Circle K
Oil and Grease - Field Blank Data Qualification Summary - SDG L1831494**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60707A
 SDG #: L1831494
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Oil and Grease (EPA 1664B)

Date: 3/18/2025
 Page: 1
 Reviewer: SDG
 2nd Reviewer: Q

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | Z | |
| IV | Surrogate spikes | Z | |
| V | Matrix spike/Matrix spike duplicates | SW | |
| VI | Laboratory control samples | A | LCS / LCSD |
| VII | Field duplicates / TRP | ND | |
| VIII | Target analyte quantitation | Z | |
| IX | Overall assessment of data | Z | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank FT= Field
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank Triplicate

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|---------------------|---------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250227 | L1831494-01 | FT | Water | 02/27/2025 | Stage 2A |
| 2 | LG-403-MID-20250227 | L1831494-02 | | Water | 02/27/2025 | Stage 2A |
| 3 | LG-401-INF-20250227 | L1831494-03 | | Water | 02/27/2025 | Stage 2A |
| 4 | DUP-1-2025027 | L1831494-04 | FT | Water | 02/27/2025 | Stage 2A |
| 5 | DUP-2 | L1831494-05 | FT | Water | 02/27/2025 | Stage 2A |
| 6 | DUP-1-2025027MS | L1831494-04MS | | Water | 02/27/2025 | Stage 2A |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Notes:

| | | |
|--|--|--|
| | | |
| | | |
| | | |

All elements are applicable to each sample as noted below.

| Sample ID | Target Analyte List |
|-----------|---------------------|
| 1-5 | Oil & Grease |
| | |
| | |
| QC | |
| 6 | Oil & Grease |

METHOD: Inorganics

MS analysis was performed by the laboratory. All MS percent recoveries (%R) were within the acceptable limits with the following exceptions:

| MS ID | Matrix | Analyte | MS %R (%R limit) | Associated Samples | Qualification | Det/ND |
|-------|--------|---------|---------------------|--------------------|---------------|--------|
| 6 | w | Oil & G | 64 (78-114) | all | J-/UJ/A | Det/ND |

Comments:



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG

April 10, 2025

15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on March 4, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60696:

SDG #

Fraction

L1829173

Volatile Organic Compound, Gasoline Range Organics

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60696 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | VOCs (8260D) | GRO (NWTPH-Gx) |
|--------------|----------|---------------|---------------|------------------|--------------|----------------|
| Matrix Type: | | | | | Water | Water |
| A | L1829173 | 3/4/25 | 3/25/25 | Stage 2A | 16 | 16 |
| Total | PM: PG | | | | 16 | 16 |

These sample counts do not include MS/MSD, and DUPs.
 EDD: EIM EDD

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K

LDC Report Date: April 10, 2025

Parameters: Volatile Organic Compounds

Validation Level: Stage 2A

Laboratory: Pace Analytical National, Mount Juliet, TN

Sample Delivery Group (SDG): L1829173

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| RW-1 | L1829173-01 | Water | 02/21/25 |
| MW-13 | L1829173-02 | Water | 02/21/25 |
| MW-18 | L1829173-03 | Water | 02/21/25 |
| MW-9 | L1829173-04 | Water | 02/21/25 |
| MW-16 | L1829173-05 | Water | 02/21/25 |
| MW-8 | L1829173-06 | Water | 02/21/25 |
| MW-14 | L1829173-07 | Water | 02/21/25 |
| MW-6 | L1829173-08 | Water | 02/21/25 |
| MW-15 | L1829173-09 | Water | 02/21/25 |
| MW-17 | L1829173-10 | Water | 02/21/25 |
| MW-21 | L1829173-11 | Water | 02/21/25 |
| MW-20 | L1829173-12 | Water | 02/21/25 |
| TB-1 | L1829173-13 | Water | 02/21/25 |
| TB-2 | L1829173-14 | Water | 02/21/25 |
| MW-19 | L1829173-15 | Water | 02/21/25 |
| DUP-1 | L1829173-16 | Water | 02/21/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) which are Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UU (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Samples TB-1 and TB-2 were identified as trip blanks. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples MW-8 and DUP-1 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (mg/L) | | RPD |
|----------------|----------------------|-------|-----|
| | MW-8 | DUP-1 | |
| Ethylbenzene | 1.07 | 1.14 | 6 |
| Toluene | 0.178 | 0.186 | 4 |
| Xylenes, Total | 4.06 | 4.21 | 4 |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1829173**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1829173**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1829173**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60696A
 SDG #: L1829173
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: BTEX (EPA 8260D)

Date: 3/17/2025
 Page: 1
 Reviewer: MAJ
 2nd Reviewer: _____

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-------|-------------|
| I | Sample receipt/Technical holding times | A / A | |
| II | Laboratory Blanks | A | |
| III | Field blanks | ND | TB= 13, 14 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | | Dup= 6 + 16 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|----|-----------|--------|---------|--------|------------|----------|
| 1 | 1 | RW-1 | | Water | 02/21/2025 | Stage 2A |
| 2 | 1 | MW-13 | | Water | 02/21/2025 | Stage 2A |
| 3 | 1 | MW-18 | | Water | 02/21/2025 | Stage 2A |
| 4 | 2 | MW-9 | | Water | 02/21/2025 | Stage 2A |
| 5 | 2 | MW-16 | | Water | 02/21/2025 | Stage 2A |
| 6 | 2 | MW-8 | | Water | 02/21/2025 | Stage 2A |
| 7 | 2 | MW-14 | | Water | 02/21/2025 | Stage 2A |
| 8 | 2 | MW-6 | | Water | 02/21/2025 | Stage 2A |
| 9 | 2 | MW-15 | | Water | 02/21/2025 | Stage 2A |
| 10 | 2 | MW-17 | | Water | 02/21/2025 | Stage 2A |
| 11 | 2 | MW-21 | | Water | 02/21/2025 | Stage 2A |
| 12 | 2 | MW-20 | | Water | 02/21/2025 | Stage 2A |
| 13 | 2 | TB-1 | TB | Water | 02/21/2025 | Stage 2A |
| 14 | 2 | TB-2 | TB | Water | 02/21/2025 | Stage 2A |
| 15 | 2 | MW-19 | | Water | 02/21/2025 | Stage 2A |
| 16 | 2 | DUP-1 | FD | Water | 02/21/2025 | Stage 2A |

Notes:

| | | |
|-------------------|--|--|
| 1 (MB) R4179828-3 | | |
| 2 (MB) R4179942-3 | | |
| | | |

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

| Compound | Concentration (mg/L) | | RPD |
|-----------------|------------------------|-------|-----|
| | 6 | 16 | |
| Ethylbenzene | 1.07 | 1.14 | 6 |
| Toluene | 0.178 | 0.186 | 4 |
| Xylenes, Total | 4.06 | 4.21 | 4 |

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Circle K
LDC Report Date: April 10, 2025
Parameters: Gasoline Range Organics
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1829173

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| RW-1 | L1829173-01 | Water | 02/21/25 |
| MW-13 | L1829173-02 | Water | 02/21/25 |
| MW-18 | L1829173-03 | Water | 02/21/25 |
| MW-9 | L1829173-04 | Water | 02/21/25 |
| MW-16 | L1829173-05 | Water | 02/21/25 |
| MW-8 | L1829173-06 | Water | 02/21/25 |
| MW-14 | L1829173-07 | Water | 02/21/25 |
| MW-6 | L1829173-08 | Water | 02/21/25 |
| MW-15 | L1829173-09 | Water | 02/21/25 |
| MW-17 | L1829173-10 | Water | 02/21/25 |
| MW-21 | L1829173-11 | Water | 02/21/25 |
| MW-20 | L1829173-12 | Water | 02/21/25 |
| TB-1 | L1829173-13 | Water | 02/21/25 |
| TB-2 | L1829173-14 | Water | 02/21/25 |
| MW-19 | L1829173-15 | Water | 02/21/25 |
| DUP-1 | L1829173-16 | Water | 02/21/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

| Blank ID | Analysis Date | Analyte | Concentration (mg/L) | Associated Samples |
|-----------------|---------------|-------------------------------|----------------------|---|
| (MB) R4180407-2 | 02/25/25 | Gasoline range organics-NWTPH | 0.0647 | RW-1 MW-13 MW-18 MW-9 MW-16 MW-8 MW-14 MW-6 MW-17 MW-21 MW-20 TB-1 TB-2 MW-19 DUP-1 |

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated laboratory blanks with the following exceptions:

| Sample | Analyte | Reported Concentration (mg/L) | Modified Final Concentration (mg/L) |
|--------|-------------------------------|-------------------------------|-------------------------------------|
| RW-1 | Gasoline range organics-NWTPH | 0.223 | 0.223J+ |
| MW-18 | Gasoline range organics-NWTPH | 0.110 | 0.110J+ |
| MW-16 | Gasoline range organics-NWTPH | 0.112 | 0.112J+ |
| MW-6 | Gasoline range organics-NWTPH | 0.109 | 0.109J+ |
| MW-17 | Gasoline range organics-NWTPH | 0.323 | 0.323J+ |

III. Field Blanks

Samples TB-1 and TB-2 were identified as trip blanks. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples MW-8 and DUP-1 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (mg/L) | | RPD |
|-------------------------------|----------------------|-------|-----|
| | MW-8 | DUP-1 | |
| Gasoline range organics-NWTPH | 23.4 | 23.5 | 0 |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to laboratory blank contamination are summarized and presented in the Data Qualification Summary.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1829173**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1829173**

| Sample | Analyte | Modified Final Concentration (mg/L) |
|---------------|-------------------------------|--|
| RW-1 | Gasoline range organics-NWTPH | 0.223J+ |
| MW-18 | Gasoline range organics-NWTPH | 0.110J+ |
| MW-16 | Gasoline range organics-NWTPH | 0.112J+ |
| MW-6 | Gasoline range organics-NWTPH | 0.109J+ |
| MW-17 | Gasoline range organics-NWTPH | 0.323J+ |

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1829173**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60696A
 SDG #: L1829173
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 3/17/2025
 Page: 1
 Reviewer: MNJ
 2nd Reviewer: [Signature]

Method: Gasoline Range Organics (NWTPH-Gx)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|--|-----|--------------|
| I | Sample receipt/Technical holding times | A/A | |
| II | Laboratory Blanks | SW | |
| III | Field blanks | ND | TB = 13, 14 |
| IV | Surrogate spikes | A | |
| V | Matrix spike/Matrix spike duplicates | N | |
| VI | Laboratory control samples | A | LCS/D |
| VII | Field duplicates | | Dup = 6 + 16 |
| VIII | Target analyte quantitation | N | |
| IX | Overall assessment of data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|----|-----------|-------------|---------|--------|------------|----------|
| 1 | RW-1 | L1829173-01 | | Water | 02/21/2025 | Stage 2A |
| 2 | MW-13 | L1829173-02 | | Water | 02/21/2025 | Stage 2A |
| 3 | MW-18 | L1829173-03 | | Water | 02/21/2025 | Stage 2A |
| 4 | MW-9 | L1829173-04 | | Water | 02/21/2025 | Stage 2A |
| 5 | MW-16 | L1829173-05 | | Water | 02/21/2025 | Stage 2A |
| 6 | MW-8 | L1829173-06 | | Water | 02/21/2025 | Stage 2A |
| 7 | MW-14 | L1829173-07 | | Water | 02/21/2025 | Stage 2A |
| 8 | MW-6 | L1829173-08 | | Water | 02/21/2025 | Stage 2A |
| 9 | MW-15 | L1829173-09 | | Water | 02/21/2025 | Stage 2A |
| 10 | MW-17 | L1829173-10 | | Water | 02/21/2025 | Stage 2A |
| 11 | MW-21 | L1829173-11 | | Water | 02/21/2025 | Stage 2A |
| 12 | MW-20 | L1829173-12 | | Water | 02/21/2025 | Stage 2A |
| 13 | TB-1 | L1829173-13 | TB | Water | 02/21/2025 | Stage 2A |
| 14 | TB-2 | L1829173-14 | TB | Water | 02/21/2025 | Stage 2A |
| 15 | MW-19 | L1829173-15 | | Water | 02/21/2025 | Stage 2A |
| 16 | DUP-1 | L1829173-16 | FD | Water | 02/21/2025 | Stage 2A |

Notes:

| | | |
|-------------------|--|--|
| 1 (MB) R480407-2 | | |
| 2 (MB) R4180754-3 | | |
| | | |

VALIDATION FINDINGS WORKSHEET

Blanks

Method: GC Gasoline Range Organics (EPA Method NWTPHGx)

Method blanks were performed at the required frequency and sequence.

No contaminants were found in the method blanks with the exceptions identified below.

Blank analysis date: 2/25/25

Associated samples: _1-8,10-16_

Conc. units: mg/L

| Compound | Blank ID | Sample Identification | | | | | | | |
|-------------------------------|-----------------|-----------------------|----------|----------|----------|----------|--|--|--|
| | | 1 | 3 | 5 | 8 | 10 | | | |
| | (MB) R4180407-2 | | | | | | | | |
| Gasoline Range Organics-NWTPH | 0.0647 | 0.223/J+ | 0.110/J+ | 0.112/J+ | 0.109/J+ | 0.323/J+ | | | |
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Blank extraction date: _____

Blank analysis date: _____

Associated samples: _____

Conc. units: _____

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------|----------|-----------------------|---|---|---|----|--|--|--|
| | | 1 | 3 | 5 | 8 | 10 | | | |
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VALIDATION FINDINGS WORKSHEET
Field Duplicates**Method: GC Gasoline Range Organics (EPA Method NWTPHGx)**

| Compound | Concentration (mg/L) | | RPD |
|-------------------------------|-----------------------|------|-----|
| | 6 | 16 | |
| Gasoline Range Organics-NWTPH | 23.4 | 23.5 | 0 |



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG
15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

May 8, 2025

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on April 3, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60811:

SDG #

Fraction

L1839238
L1839621

Volatile Organic Compound, Gasoline Range Organics, Oil and Grease

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60811 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | VOCs (TO-15) | (9) VOCs (8260B) | GRO (NWTPH-Gx) | Oil & Grease (1664B) |
|--------------|----------|---------------|---------------|------------------|--------------|------------------|----------------|----------------------|
| Matrix Type: | | | | | Air | Water | Water | Water |
| A | L1839238 | 4/3/25 | 4/24/25 | Stage 2A | | 5 | 5 | 5 |
| B | L1839621 | 4/3/25 | 4/24/25 | Stage 2A | 2 | | | |
| Total | PM: PG | | | | 2 | 5 | 5 | 5 |

These sample counts do not include MS/MSD, and DUPs.
 EDD: EIM

PO 230065-LD-01
 Project 20230065

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 7, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1839238

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250321 | L1839238-01 | Water | 03/21/25 |
| LG-404-DUP1-20250321 | L1839238-02 | Water | 03/21/25 |
| LG-402-MID-20250321 | L1839238-04 | Water | 03/21/25 |
| LG-401-INF-20250321 | L1839238-05 | Water | 03/21/25 |
| TB-01-20250321 | L1839238-06 | Water | 03/21/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Sample TB-01-20250321 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250321 and LG-404-DUP1-20250321 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1839238**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1839238**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1839238**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60811A
 SDG #: L1839238
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 4/3/2025
 Page: 6
 Reviewer: MAJ
 2nd Reviewer: [Signature]

Method: Volatiles (EPA 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|---------------------------------------|-----|----------|
| I | Sample Receipt/Technical Holding Time | A/A | |
| II | Laboratory Blanks | A | |
| III | Field Blank | ND | TB=5 |
| IV | Surrogate Spikes | A | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS/D |
| VII | Field Duplicate | ND | Dup=1+2 |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|----------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250321 | L1839238-01 | | Water | 03/21/2025 | Stage 2A |
| 2 | LG-404-DUP1-20250321 | L1839238-02 | | Water | 03/21/2025 | Stage 2A |
| 3 | LG-402-MID-20250321 | L1839238-04 | | Water | 03/21/2025 | Stage 2A |
| 4 | LG-401-INF-20250321 | L1839238-05 | | Water | 03/21/2025 | Stage 2A |
| 5 | TB-01-20250321 | L1839238-06 | TB | Water | 03/21/2025 | Stage 2A |
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Notes:

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| 1 MBR4193025-3 | | |
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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 7, 2025
Parameters: Gasoline Range Organics
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1839238

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250321 | L1839238-01 | Water | 03/21/25 |
| LG-404-DUP1-20250321 | L1839238-02 | Water | 03/21/25 |
| LG-402-MID-20250321 | L1839238-04 | Water | 03/21/25 |
| LG-401-INF-20250321 | L1839238-05 | Water | 03/21/25 |
| TB-01-20250321 | L1839238-06 | Water | 03/21/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

| Blank ID | Analysis Date | Analyte | Concentration (ug/L) | Associated Samples |
|-----------------|---------------|---------------------------------|----------------------|--|
| (MB) R4190797-2 | 03/24/25 | Gasoline range organics (NWTPH) | 37.7 | LG-404-DUP1-20250321 |
| (MB) R4191224-4 | 03/25/25 | Gasoline range organics (NWTPH) | 38.5 | LG-404-EFF-20250321 |
| (MB) R4191224-4 | 03/26/25 | Gasoline range organics (NWTPH) | 38.5 | LG-402-MID-20250321 LG-401-INF-20250321 TB-01-20250321 |

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

| Sample | Analyte | Reported Concentration (ug/L) | Modified Final Concentration (ug/L) |
|---------------------|---------------------------------|-------------------------------|-------------------------------------|
| LG-401-INF-20250321 | Gasoline range organics (NWTPH) | 180 | 180J+ |

III. Field Blanks

Sample TB-01-20250321 was identified as a trip blank. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples LG-404-EFF-20250321 and LG-404-DUP1-20250321 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to laboratory blank contamination are summarized and presented in the Data Qualification Summary.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1839238**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1839238**

| Sample | Analyte | Modified Final Concentration (ug/L) |
|---------------------|---------------------------------|-------------------------------------|
| LG-401-INF-20250321 | Gasoline range organics (NWTPH) | 180J+ |

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1839238**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60811A
 SDG #: L1839238
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 4/3/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: [Signature]

Method: Gasoline Range Organics (NWTPH-Gx)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|---------------------------------------|-------|------------|
| I | Sample Receipt/Technical Holding Time | A / A | |
| II | Laboratory Blanks | SW | |
| III | Field Blank | ND | TB = 5 |
| IV | Surrogate Spikes | A | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS/D |
| VII | Field Duplicate | ND | Dup: 1 r 2 |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|----------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250321 | L1839238-01 | | Water | 03/21/2025 | Stage 2A |
| 2 | LG-404-DUP1-20250321 | L1839238-02 | | Water | 03/21/2025 | Stage 2A |
| 3 | LG-402-MID-20250321 | L1839238-04 | | Water | 03/21/2025 | Stage 2A |
| 4 | LG-401-INF-20250321 | L1839238-05 | | Water | 03/21/2025 | Stage 2A |
| 5 | TB-01-20250321 | L1839238-06 | TB | Water | 03/21/2025 | Stage 2A |
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Notes:

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| 1 (MB) R41907-2 | | |
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VALIDATION FINDINGS WORKSHEET

Blanks

Method: GC Gasoline Range Organic (NWTPHGX)

Method blanks were performed at the required frequency and sequence.

No contaminants were found in the method blanks with the exceptions identified below.

Blank extraction date: 3/24/25 **Blank analysis date:** 3/24/25 **Associated samples:** 2 (ND)

Conc. units: ug/L

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| | (MB) R4190797-2 | | | | | | | | |
| Gasoline Range | 37.7 | | | | | | | | |
| Organics-NWTPH | | | | | | | | | |

Blank extraction date: 3/25/25 **Blank analysis date:** 3/25/25 **Associated samples:** 1(ND)

Conc. units: _____

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| | (MB) R4191224-4 | | | | | | | | |
| Gasoline Range | 38.5 | | | | | | | | |
| Organics-NWTPH | | | | | | | | | |

Blank extraction date: 3/26/25 **Blank analysis date:** 3/26/25 **Associated samples:** 3-5

Conc. units: _____

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| | (MB) R4191224-4 | 4 | | | | | | | |
| Gasoline Range | 38.5 | 180/J+ | | | | | | | |
| Organics-NWTPH | | | | | | | | | |

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 7, 2025
Parameters: Oil and Grease
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1839238

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| LG-404-EFF-20250321 | L1839238-01 | Water | 03/21/25 |
| LG-404-DUP1-20250321 | L1839238-02 | Water | 03/21/25 |
| LG-404-DUP2-20250321 | L1839238-03 | Water | 03/21/25 |
| LG-402-MID-20250321 | L1839238-04 | Water | 03/21/25 |
| LG-401-INF-20250321 | L1839238-05 | Water | 03/21/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Oil and Grease by Environmental Protection Agency (EPA) Method 1664B

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UU (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

V. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VI. Field Triplicate

Samples LG-404-EFF-20250321, LG-404-DUP1-20250321, and LG-404-DUP2-20250321 were identified as field triplicates. No results were detected in any of the samples.

VII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Oil and Grease - Data Qualification Summary - SDG L1839238**

No Sample Data Qualified in this SDG

**Circle K
Oil and Grease - Laboratory Blank Data Qualification Summary - SDG L1839238**

No Sample Data Qualified in this SDG

**Circle K
Oil and Grease - Field Blank Data Qualification Summary - SDG L1839238**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60811A
 SDG #: L1839238
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Oil and Grease (EPA 1664B)

Date: 4/3/2025
 Page: 1/1
 Reviewer: SG
 2nd Reviewer: [Signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---------------|---------------------------------------|-----|----------|
| I | Sample Receipt/Technical Holding Time | A/A | |
| II | Laboratory Blanks | A | |
| III | Field Blank | N | |
| IV | Surrogate Spikes | | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS/LCSD |
| VII | Field Duplicate / TRP | ND | |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|----------------------|-------------|---------|--------|------------|----------|
| 1 | LG-404-EFF-20250321 | L1839238-01 | FT | Water | 03/21/2025 | Stage 2A |
| 2 | LG-404-DUP1-20250321 | L1839238-02 | FT | Water | 03/21/2025 | Stage 2A |
| 3 | LG-404-DUP2-20250321 | L1839238-03 | FT | Water | 03/21/2025 | Stage 2A |
| 4 | LG-402-MID-20250321 | L1839238-04 | | Water | 03/21/2025 | Stage 2A |
| 5 | LG-401-INF-20250321 | L1839238-05 | | Water | 03/21/2025 | Stage 2A |
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Notes:

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All elements are applicable to each sample as noted below.

| Sample ID | Target Analyte List |
|------------------|----------------------------|
| 1-5 | Oil & Grease |

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 7, 2025
Parameters: Volatile Organic Compounds
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1839621

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------------|---|---------------|------------------------|
| FALCO-300-INF-20250324 | L1839621-01 | Air | 03/24/25 |
| FALCO-300-EFF-20250324 | L1839621-02 | Air | 03/24/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UU (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. Laboratory Blanks/Canister

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

Canister blank analyses were performed for every sample canister.

III. Field Blanks

No field blanks were identified in this SDG.

IV. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicate

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

No field duplicates were identified in this SDG.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Analytes - Data Qualification Summary - SDG L1839621**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Analytes - Laboratory Blank Data Qualification Summary - SDG
L1839621**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Analytes - Field Blank Data Qualification Summary - SDG
L1839621**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60811B
 SDG #: L1839621
 Laboratory: Pace Analytical, Mount Juliet, TN
 Method: Volatiles (EPA TO-15)

Date: 4/3/2025
 Page: 1
 Reviewer: MN
 2nd Reviewer: OK

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|---------------------------------------|-----|------------|
| I | Sample Receipt/Technical Holding Time | A/A | |
| II | Laboratory Blanks /canister | A/A | per sample |
| III | Field Blank | N | |
| IV | Surrogate Spikes | A | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS/D |
| VII | Field Duplicate | N | |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|---|------------------------|-------------|---------|--------|------------|----------|
| 1 | FALCO-300-INF-20250324 | L1839621-01 | | Air | 03/24/2025 | Stage 2A |
| 2 | FALCO-300-EFF-20250324 | L1839621-02 | | Air | 03/24/2025 | Stage 2A |
| | | | | | | |
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Notes:

| | | |
|------------------|--|--|
| 1 (MB) R491358-3 | | |
| | | |
| | | |



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

ERRG

May 12, 2025

15333 N.E. 90th Street, Suite 100
Redmond, WA 98052
ATTN: Mr. Fernando Idiarte
fernando.idiarte@errg.com

SUBJECT: Circle K - Data Validation

Dear Mr. Idiarte,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on April 11, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60855:

SDG #

Fraction

L1841690

Volatile Organic Compound, Gasoline Range Organics

The data validation was performed under Stage 2A guidelines. The analysis was validated using the following documents, as applicable to each method:

- Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng

pgeng@lab-data.com

Project Manager/Senior Chemist

LDC #60855 (ERRG - Redmond, WA / Circle K)

| LDC | SDG# | Received Date | (21) Due Date | Validation Level | (9) VOCs (8260B) | GRO (NWTPH-Gx) |
|--------------|----------|---------------|---------------|------------------|------------------|----------------|
| Matrix Type: | | | | | Water | Water |
| A | L1841690 | 4/11/25 | 5/2/25 | Stage 2A | 16 | 16 |
| Total | PM: PG | | | | 16 | 16 |

These sample counts do not include MS/MSD, and DUPs.
 EDD: EIM

PO 230065-LD-01

Project 20230065

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K

LDC Report Date: May 9, 2025

Parameters: Volatile Organic Compounds

Validation Level: Stage 2A

Laboratory: Pace Analytical National, Mount Juliet, TN

Sample Delivery Group (SDG): L1841690

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| MW-18 | L1841690-01 | Water | 03/28/25 |
| MW-20 | L1841690-02 | Water | 03/28/25 |
| RW-1 | L1841690-03 | Water | 03/28/25 |
| MW-9 | L1841690-04 | Water | 03/28/25 |
| MW-16 | L1841690-05 | Water | 03/28/25 |
| MW-8 | L1841690-06 | Water | 03/28/25 |
| MW-15 | L1841690-07 | Water | 03/28/25 |
| MW-6 | L1841690-08 | Water | 03/28/25 |
| MW-14 | L1841690-09 | Water | 03/28/25 |
| MW-13 | L1841690-10 | Water | 03/28/25 |
| MW-19 | L1841690-11 | Water | 03/28/25 |
| MW-21 | L1841690-12 | Water | 03/28/25 |
| MW-17 | L1841690-13 | Water | 03/28/25 |
| DUP-1 | L1841690-14 | Water | 03/28/25 |
| TB-01 | L1841690-15 | Water | 03/28/25 |
| TB-02 | L1841690-16 | Water | 03/28/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

III. Field Blanks

Samples TB-01 and TB-02 were identified as trip blanks. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Field Duplicates

Samples MW-6 and DUP-1 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (ug/L) | | RPD |
|------------------------|----------------------|-------|----------------|
| | MW-6 | DUP-1 | |
| Benzene | 19.1 | 10.0U | Not calculable |
| Ethylbenzene | 1.22 | 10.0U | Not calculable |
| Trichloroethene | 3.02 | 10.0U | Not calculable |
| cis-1,2-Dichloroethene | 6.70 | 10.0U | Not calculable |
| Vinyl chloride | 13.2 | 10.0U | Not calculable |

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Circle K
Volatile Organic Compounds - Data Qualification Summary - SDG L1841690**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Laboratory Blank Data Qualification Summary -
SDG L1841690**

No Sample Data Qualified in this SDG

**Circle K
Volatile Organic Compounds - Field Blank Data Qualification Summary - SDG
L1841690**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60855A
 SDG #: L1841690
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 4/14/2025
 Page: 1
 Reviewer: MAJ
 2nd Reviewer: [Signature]

Method: Volatiles (EPA 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|---------------------------------------|-----|--------------|
| I | Sample Receipt/Technical Holding Time | A/A | |
| II | Laboratory Blanks | A | |
| III | Field Blank | ND | TB = 15, 16 |
| IV | Surrogate Spikes | A | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS/D |
| VII | Field Duplicate | | Dup = 8 + 14 |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|--------|-----------|-------------|---------|--------|------------|----------|
| 1 | MW-18 | L1841690-01 | | Water | 03/28/2025 | Stage 2A |
| 2 | MW-20 | L1841690-02 | | Water | 03/28/2025 | Stage 2A |
| 3 2 | RW-1 | L1841690-03 | | Water | 03/28/2025 | Stage 2A |
| 4 | MW-9 | L1841690-04 | | Water | 03/28/2025 | Stage 2A |
| 5 | MW-16 | L1841690-05 | | Water | 03/28/2025 | Stage 2A |
| 6 | MW-8 | L1841690-06 | | Water | 03/28/2025 | Stage 2A |
| 7 | MW-15 | L1841690-07 | | Water | 03/28/2025 | Stage 2A |
| 8 | MW-6 | L1841690-08 | | Water | 03/28/2025 | Stage 2A |
| 9 | MW-14 | L1841690-09 | | Water | 03/28/2025 | Stage 2A |
| 10 | MW-13 | L1841690-10 | | Water | 03/28/2025 | Stage 2A |
| 11 | MW-19 | L1841690-11 | | Water | 03/28/2025 | Stage 2A |
| 12 | MW-21 | L1841690-12 | | Water | 03/28/2025 | Stage 2A |
| 13 2 | MW-17 | L1841690-13 | | Water | 03/28/2025 | Stage 2A |
| 14 | DUP-1 | L1841690-14 | FD | Water | 03/28/2025 | Stage 2A |
| 15 | TB-01 | L1841690-15 | TB | Water | 03/28/2025 | Stage 2A |
| 16 | TB-02 | L1841690-16 | TB | Water | 03/28/2025 | Stage 2A |

Notes:

| | | |
|-----------------------|--|--|
| 1 MB R4196703-3 | | |
| 2 MB R4197129-3 (TCE) | | |
| | | |

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

| Compound | Concentration (ug/L) | | RPD |
|------------------------|------------------------|-------|-----|
| | 8 | 14 | |
| Benzene | 19.1 | 10.0U | NC |
| Ethylbenzene | 1.22 | 10.0U | NC |
| Trichloroethene | 3.02 | 10.0U | NC |
| cis-1,2-Dichloroethene | 6.70 | 10.0U | NC |
| Vinyl chloride | 13.2 | 10.0U | NC |

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Circle K
LDC Report Date: May 9, 2025
Parameters: Gasoline Range Organics
Validation Level: Stage 2A
Laboratory: Pace Analytical National, Mount Juliet, TN
Sample Delivery Group (SDG): L1841690

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| MW-18 | L1841690-01 | Water | 03/28/25 |
| MW-20 | L1841690-02 | Water | 03/28/25 |
| RW-1 | L1841690-03 | Water | 03/28/25 |
| MW-9 | L1841690-04 | Water | 03/28/25 |
| MW-16 | L1841690-05 | Water | 03/28/25 |
| MW-8 | L1841690-06 | Water | 03/28/25 |
| MW-15 | L1841690-07 | Water | 03/28/25 |
| MW-6 | L1841690-08 | Water | 03/28/25 |
| MW-14 | L1841690-09 | Water | 03/28/25 |
| MW-13 | L1841690-10 | Water | 03/28/25 |
| MW-19 | L1841690-11 | Water | 03/28/25 |
| MW-21 | L1841690-12 | Water | 03/28/25 |
| MW-17 | L1841690-13 | Water | 03/28/25 |
| DUP-1 | L1841690-14 | Water | 03/28/25 |
| TB-01 | L1841690-15 | Water | 03/28/25 |
| TB-02 | L1841690-16 | Water | 03/28/25 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Revised Draft Sampling and Analysis Plan/Quality Assurance Project Plan, Circle K, Seattle, Washington (August 2024) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Gasoline Range Organics by NWTPH-Gx

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary reports.

The following are definitions of the data qualifiers utilized during data validation:

- J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
- J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
- J (Estimated, Bias Indeterminate): The reported result was an estimated quantity value with an unknown bias.
- U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ (Tentatively identified): The analyte has been “tentatively identified” or “presumptively identified” as present, and the associated numerical value was the estimated concentration in the sample.
- R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

| Blank ID | Analysis Date | Analyte | Concentration (ug/L) | Associated Samples |
|-----------------|---------------|---------------------------------|----------------------|---|
| (MB) R4196111-2 | 04/04/25 | Gasoline range organics (NWTPH) | 42.4 | MW-18 MW-20 RW-1 MW-9 MW-16 MW-8 MW-15 MW-6 MW-14 MW-13 MW-19 MW-21 MW-17 TB-01 TB-02 |
| (MB) R4196334-2 | 04/08/25 | Gasoline range organics (NWTPH) | 32.8 | DUP-1 |

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated laboratory blanks with the following exceptions:

| Sample | Analyte | Reported Concentration (ug/L) | Modified Final Concentration (ug/L) |
|--------|---------------------------------|-------------------------------|-------------------------------------|
| RW-1 | Gasoline range organics (NWTPH) | 128 | 128J+ |

III. Field Blanks

Samples TB-01 and TB-02 were identified as trip blanks. No contaminants were found.

IV. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

VII. Field Duplicates

Samples MW-6 and DUP-1 were identified as field duplicates. No results were detected in any of the samples.

VIII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

IX. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to laboratory blank contamination are summarized and presented in the Data Qualification Summary.

**Circle K
Gasoline Range Organics - Data Qualification Summary - SDG L1841690**

No Sample Data Qualified in this SDG

**Circle K
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG
L1841690**

| Sample | Analyte | Modified Final Concentration (ug/L) |
|--------|---------------------------------|-------------------------------------|
| RW-1 | Gasoline range organics (NWTPH) | 128J+ |

**Circle K
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG
L1841690**

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60855A
 SDG #: L1841690
 Laboratory: Pace Analytical, Mount Juliet, TN

Date: 4/14/2025
 Page: 1
 Reviewer: MW
 2nd Reviewer: 4

Method: Gasoline Range Organics (NWTPH-Gx)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|------|---------------------------------------|-----|--------------|
| I | Sample Receipt/Technical Holding Time | A/A | |
| II | Laboratory Blanks | SW | |
| III | Field Blank | ND | TB = 15, 16 |
| IV | Surrogate Spikes | A | |
| V | Matrix Spike/Matrix Spike Duplicate | N | |
| VI | Laboratory Control Sample | A | LCS |
| VII | Field Duplicate | ND | Dup = 8 + 14 |
| VIII | Target Analyte Quantitation | N | |
| IX | Overall Assessment of Data | A | |

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | QC Type | Matrix | Date | Stage |
|----|-----------|-------------|---------|--------|------------|----------|
| 1 | MW-18 | L1841690-01 | | Water | 03/28/2025 | Stage 2A |
| 2 | MW-20 | L1841690-02 | | Water | 03/28/2025 | Stage 2A |
| 3 | RW-1 | L1841690-03 | | Water | 03/28/2025 | Stage 2A |
| 4 | MW-9 | L1841690-04 | | Water | 03/28/2025 | Stage 2A |
| 5 | MW-16 | L1841690-05 | | Water | 03/28/2025 | Stage 2A |
| 6 | MW-8 | L1841690-06 | | Water | 03/28/2025 | Stage 2A |
| 7 | MW-15 | L1841690-07 | | Water | 03/28/2025 | Stage 2A |
| 8 | MW-6 | L1841690-08 | | Water | 03/28/2025 | Stage 2A |
| 9 | MW-14 | L1841690-09 | | Water | 03/28/2025 | Stage 2A |
| 10 | MW-13 | L1841690-10 | | Water | 03/28/2025 | Stage 2A |
| 11 | MW-19 | L1841690-11 | | Water | 03/28/2025 | Stage 2A |
| 12 | MW-21 | L1841690-12 | | Water | 03/28/2025 | Stage 2A |
| 13 | MW-17 | L1841690-13 | | Water | 03/28/2025 | Stage 2A |
| 14 | DUP-1 | L1841690-14 | FD | Water | 03/28/2025 | Stage 2A |
| 15 | TB-01 | L1841690-15 | TB | Water | 03/28/2025 | Stage 2A |
| 16 | TB-02 | L1841690-16 | TB | Water | 03/28/2025 | Stage 2A |

Notes:

| | | |
|-------------------|--|--|
| 1 (MB) R419611-2 | | |
| 2 (MB) R4196334-2 | | |
| | | |

VALIDATION FINDINGS WORKSHEET
Blanks

Method: GC Gasoline Range Organic (NWTPHGX)

Method blanks were performed at the required frequency and sequence.

No contaminants were found in the method blanks with the exceptions identified below.

Blank extraction date: 4/4/25 **Blank analysis date:** 4/4/25 **Associated samples:** 1-13,15,16_(DET>5X)

Conc. units: ug/L

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| | (MB) R4196111-2 | 3 | | | | | | | |
| Gasoline Range | 42.4 | 128/J+ | | | | | | | |
| Organics-NWTPH | | | | | | | | | |

Blank extraction date: 4/8/25 **Blank analysis date:** 4/8/25 **Associated samples:** 14 (ND)

Conc. units: ug/L

| Compound | Blank ID | Sample Identification | | | | | | | |
|----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| | (MB) R4196334-2 | | | | | | | | |
| Gasoline Range | 32.8 | | | | | | | | |
| Organics-NWTPH | | | | | | | | | |