GROUNDWATER MONITORING REPORT

CIRCLE K STORE #2706042
10171 U.S. HIGHWAY 12
NACHES, WASHINGTON 98937

SAMPLING DATE: November 14, 2022

PREPARED FOR:

CIRCLE K STORES INC.
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SUBMITTED TO:

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BLAES PROJECT #202-06042-10

DECEMBER 16, 2022

This *Groundwater Monitoring Report* has been prepared by Blaes Environmental Management, Inc. for the exclusive use of Circle K Stores Inc. as it pertains to Circle K Store #2706042 located at 10171 U.S. Highway 12 in Naches, Washington. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, engineers, and environmental consultants practicing in this field. No other warranty, express or implied, is made as to the professional advice in this report. *Any use of or reliance on this report by a third party shall be at such a party's sole risk.*

Blaes Environmental Management, Inc. can offer no assurances and assumes no responsibility for site conditions or activities outside the scope of the inquiry requested by Circle K Stores Inc. as outlined in this document. It should be understood by all parties that Blaes Environmental Management, Inc. has relied on the accuracy of documents, oral information, and other materials, services, and information provided by Circle K Stores Inc., subcontractors, and other associated parties. Any subsequent modification, revision or verification of this report must be provided in writing by Blaes Environmental Management, Inc.

All work associated with this project will be performed under the supervision of a State of Washington Licensed Geologist/Hydrogeologist.

Prepared By:
Blaes Environmental Management, Inc.

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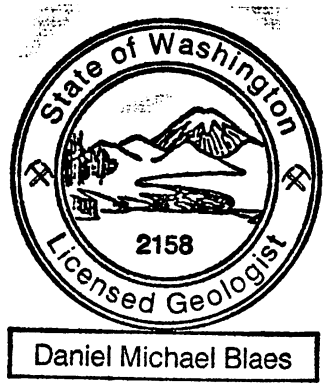
President/Principal Geologist
Washington Geologist/Hydrogeologist #2158



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1.0 INTRODUCTION

This groundwater monitoring report was prepared by Blaes Environmental Management, Inc. (Blaes Environmental), on behalf of Circle K Stores Inc. (Circle K) for Circle K Store #2706042 located at 10171 U.S. Highway 12 in Naches, Washington (Figure 1). This periodic groundwater monitoring program was conducted following a detection of petroleum hydrocarbon constituents in 2013 near the intersection of Naches Avenue and Highway 12 (associated with a past release at the site) and following ongoing soil and groundwater remediation efforts at the property. This is the eighth event that was conducted following the installation of an additional groundwater monitoring well (MW-9) on the property located across Highway 12 south of the Circle K site.

In November 2022, Blaes Environmental conducted another groundwater monitoring event at the site using eight of the nine existing groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9) for this event. The sampling event involved: (1) measuring the depth to groundwater in the wells to be sampled; (2) purging using low-flow methods and collecting a groundwater sample from the wells (except well MW-9 due to low water volume); and (3) analyzing the groundwater samples at an analytical laboratory for petroleum constituents.

The data from this sampling event was compared to the data from the past groundwater sampling events as a continued evaluation of the effectiveness of the air sparge injection events conducted during the summers of 2017 and 2018 and the summer of 2019. The following sections of this report include the description of the procedures and findings of the most recent groundwater monitoring event.

2.0 BACKGROUND INFORMATION

This section presents information regarding the site and provides a summary of the site background. The information was obtained from public records, the project files of Blaes Environmental, and the records of Circle K.

2.1 SITE LOCATION AND LAND USE

The property is located on the northwest corner of the intersection of Naches Avenue and Highway 12 in Naches, Washington. The property is within Section 4, Township 14 North, Range 17 East of the Naches Washington U.S. Geological Survey 7 ½ -minute Topographic Quadrangle. The property consists of a concrete and asphalt-paved lot with one existing single-story building (the Circle K Store) and three product dispensers. The site features are shown on the Site Plan in Figure 2. Global Positioning System (GPS) readings locate the site at approximately latitude 46 degrees, 43 minutes, 43.32 seconds North and longitude 210 degrees, 42 minutes, 01.73 seconds West as measured on Google Earth 2013.

The area surrounding the site consists of a mixture of commercial businesses and residential development. Commercial businesses are located southeast, west, and east-southeast of the site. Residential development is located south (across Highway 12), immediately north, and east (across the Naches Avenue), of the site.

2.2 SITE PHYSIOGRAPHY

The property lies at an elevation of approximately 1468 feet above Mean Sea Level (Google Earth 2013). Natural surface drainage in the area is towards the south-southwest towards the Naches River (U.S. Geological Survey 7 ½ -minute Topographic Quadrangle). On-site drainage is predominantly away from the building, towards the storm drains, to the north and east and east to Naches Avenue.

2.3 SITE LITHOLOGY AND DEPTH TO GROUNDWATER

The soil types in the immediate vicinity consists of Naches River Deposits. These deposits are composed of brown sandy loam with approximately 80 percent gravel, cobbles, and boulders up to approximately two feet (2) in diameter. The highly coarse soils extend to a depth of at least 25 feet below the ground surface. The soils in the lower part of the zone contain some clay.

Groundwater was encountered within the tank pit at approximately 11 feet below the ground surface in 1992 and logs of wells in the area also show the water level to be between 9 and 13 feet below the ground surface depending on the season of year. Groundwater was encountered at a depth of approximately 9 to 11 feet below the ground surface within the wells sampled during this investigation. Groundwater flow is predominantly toward the south at the site.

2.4 SENSITIVE RECEPTORS

The Naches River is approximately 1,500 feet south of the site and the open irrigation ditch (trending approximately north-south) is approximately 75 feet east of the site. There are no additional surface water bodies or wetlands within one-mile of the site. Residences are located directly north of the site, across Naches Avenue to the east, and across U.S. Highway 12 to the south of the site.

The Naches Valley Middle School is located approximately 1,287 feet east-northeast of the site. The Naches Valley Intermediate School is located approximately 1,689 feet east-northeast of the site. The Naches Valley High School is located approximately 2,914 feet north-northwest of the site.

2.5 PREVIOUS INVESTIGATIONS

2.5.1 Limited Site Check: 1992

Previous investigations conducted at the site included a limited site check and sampling program in 1992 at the former Naches Chevron Facility. The investigation indicated gasoline range organics (GRO) in soil and GRO and lead in groundwater, adjacent to the former supreme unleaded gasoline UST, in excess of WDOE “Method A Clean-Up Levels”. An Interim Status Report was prepared and submitted to the WDOE by Sage Earth Sciences, Inc. in October 1992. After the leak had been repaired the excavation was reportedly left open for approximately 15 months and then backfilled around the existing USTs.

2.5.2 UST Removal: 1998

In 1994 the three existing USTs were removed and replaced with fiberglass USTs. Subsequent soil and groundwater sampling during the tank removal revealed GRO in the groundwater beneath the site. Concentrations of soluble lead were not found in the soil sample collected at the site. The groundwater sample was not analyzed for soluble lead during this program. A UST Closure Site Assessment & Interim Remediation Report was prepared and submitted to the WDOE by White Shield, Inc. in March 1994.

2.5.3 WDOE Correspondence 1998-2001

In October 1998 the property owner, Mr. Mike Abhold, contacted WDOE indicating that he "believes that natural attenuation mechanisms have cleaned the residual groundwater at this site" and he wanted input from WDOE. WDOE responded to Mr. Abhold indicating that "groundwater samples to confirm natural attenuation and a site cleanup report" would be required. In 2001 the UST file was reviewed by Mr. Brian T. Deeken with WDOE and it was determined that there had been no change of status at the site since 1998. Based on this file review, Mr. John Mefford, L.G. the current WDOE manager for this site contacted Circle K (following the purchase of the site from Sun Pacific Energy) asking for the current site status.

2.5.4 Site Characterization Activities

Circle K contracted Blaes Environmental to conduct a program to determine if groundwater beneath the site had been impacted by petroleum hydrocarbons. The program included drilling and installation of four groundwater monitoring wells and collection and analyses of groundwater samples and the preparation of the October 2013 Site Characterization Report documenting the activities. Cascade Drilling of Woodinville, Washington was contracted to drill the soil borings for the four wells using a hollow-stem auger drilling rig. The boreholes were drilled on July 22 and 23, 2013 to depths ranging from approximately 14 feet below the ground surface (MW-3) to approximately 15' below the ground surface (MW-1) before large cobbles triggered auger refusal.

A total of five soil samples (one from wells MW-2, MW-3, and MW-1 and two from MW-1) were collected during the site characterization program and delivered by Blaes Environmental, under proper chain-of-custody record, to Test America in Seattle, Washington. Soil samples from the soil borings were analyzed for NWTPH-GX (GRO), NWTPH-DX (DRO), and for VOCs including Benzene, Toluene, Ethylbenzene, & Total Xylenes (BTEX), fuel oxygenates including methyl-tert butyl ether (MTBE), and ethylene dibromide (EDB) according to EPA Method 8260. Laboratory analytical results indicated concentrations of m-Xylenes & p-Xylenes (3.4 ug/Kg) and 1,2,4-Trimethylbenzene above laboratory reporting limits in the soil sample collected from the boring at MW-3 near the intersection. No other detectable concentrations of GRO, DRO, BTEX, VOC, or EDB were found in any other soil sample.

2.5.5 Groundwater Monitoring and Sampling

On August 18, 2013 Blaes Environmental conducted a groundwater monitoring and sampling event within the newly installed wells. The groundwater monitoring and sampling event consisted of three

tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using a low-flow device and collecting a groundwater sample; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Site Characterization Report*, prepared by Blaes Environmental, dated October 31, 2013, is on file with WDOE.

On August 8, 2014, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using low-flow pump and collecting a groundwater sample from each well; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated August 25, 2014, is on file with WDOE.

On December 10, 2014, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using low-flow pump and collecting a groundwater sample from each well; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated December 31, 2014, is on file with WDOE.

On May 28, 2015, Blaes Environmental conducted another groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) grabbing a groundwater sample from each well without purging; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated June 8, 2015, is on file with WDOE.

On November 12, 2015, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: (1) measuring the depth to groundwater in the wells, and (2) analyzing the groundwater samples at a State of Washington certified

analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated December 21, 2015, is on file with WDOE.

2.5.6 Additional Groundwater Monitoring and Remediation Well Installation

In June 2016, Blaes Environmental, in conjunction with Cascade Drilling of Federal Way, Washington installed four additional groundwater monitoring wells and 11 air sparge remediation wells at the site. The objective of the additional monitoring wells was to further understand the lateral distribution of petroleum hydrocarbon concentrations under the property. The objective of the air sparge wells was to provide a remediation mechanism to start reducing the volatile hydrocarbon constituents at the site.

The four new groundwater monitoring wells (MW-5, MW-6, MW-7, and MW-8) were each drilled to a depth of approximately 25 feet below the ground surface using a sonic drilling rig. Each 2-inch diameter PVC monitoring well was screened from approximately 5 feet to 25 feet below the ground surface. The 11 new air sparge remediation wells were each drilled to a depth of approximately 25 feet below the ground surface using a sonic drilling rig. Each 2-inch diameter PVC monitoring well was screened from approximately 20 feet to 25 feet below the ground surface. The location of each new well is shown on the Site Plan in Figure 2. Additional data from this well installation program will be submitted in a separate report.

2.5.7 Subsequent Groundwater Monitoring and Sampling

In March 2017, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the 2017 remediation events. The results of the sampling event were submitted to WDOE in a report dated May 1, 2017. The results of the March 2017 sampling event showed an additional rebound in the petroleum hydrocarbons but a reduction in benzene and other hydrocarbon constituents. The only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In June 2017, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the summer 2017 remediation events. The results of the sampling event were submitted to WDOE in a report dated July 9, 2017. The results of the June 2017 sampling event showed a decrease in the petroleum hydrocarbons. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In September 2017, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the summer 2017 remediation events. The results of the sampling event were submitted to WDOE in a report dated October 13, 2017. The results of the September 2017 sampling event showed a decrease in the petroleum hydrocarbons. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In December 2017, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the summer 2018 remediation events. The results of the sampling event were submitted to WDOE in a report dated December 15, 2017. The results of the December 2017 sampling event showed a slight decrease in the petroleum hydrocarbons. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In March 2018, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the summer 2018 remediation events. The results of the sampling event were submitted to WDOE in a report dated March 16, 2018. The results of the March 2018 sampling event showed a slight decrease in the petroleum hydrocarbons compared with the December 2017 event. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In July 2018, an additional groundwater sampling event was conducted to evaluate the site conditions prior to the autumn 2018 remediation events. The results of the sampling event were submitted to WDOE in a report dated July 31, 2018. The results of the July 2018 sampling event showed a slight decrease in the petroleum hydrocarbons compared with the March 2018 event. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In September 2018, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated September 24, 2018. The results of the September 2018 sampling event showed a decrease in the petroleum hydrocarbons compared with the July 2018 event. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In late November 2018, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated December 19, 2018. The results of the December 2018 sampling event showed about the same level of petroleum hydrocarbon

constituents compared with the July 2018 and September 2018 events. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In April 2019, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated May 3, 2019. The results of the April 2019 sampling event showed about the same level of petroleum hydrocarbon constituents compared with the November 2018 event. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In July 2019, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated July 26, 2019. The results of the July 2019 sampling event showed a decrease in the benzene level in well MW-3 compared to the previous sampling event. Again, the only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property.

In September 2019, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated October17, 2019. The results of the September 2019 sampling event showed a continued impact of TPH in well MW-3 only. The only monitoring well with hydrocarbon detections was MW-3 near the southeast corner of the property. The benzene concentration in that well remained below the WDOE MTCA action level.

In January 2020, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated February 13, 2020. The results of the January 2020 sampling event showed a continued impact of TPH in well MW-3 on the southeastern portion of the site. The benzene concentration in that well remained below the WDOE MTCA action level.

In May 2020, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated May 16, 2020. During this sampling event, there was a decrease in benzene in the groundwater within well MW-3 and decreases in gasoline Range and diesel Range Organics in well MW-3 from this event compared to the sampling event conducted in January 2020. The benzene concentration is still below the MTCA Method A level and now both the gasoline and diesel range organics were also below MTCA Method A levels.

In November 2020, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated December 12, 2020. Based on the analytical results from the groundwater samples, there was a slight increase in benzene in the groundwater within well MW-3 and a larger increase in gasoline Range and diesel Range Organics in well MW-3 from this event compared to the sampling event conducted in May 2020. The benzene concentration in well MW-3 is still below the MTCA Method A level but now both the gasoline and diesel range organics are back up above the MTCA Method A levels. The laboratory results from the groundwater sample collected from the newly installed well MW-9 show slight concentrations of both benzene and toluene with both concentrations below the MTCA Method A respective levels.

In April 2021, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated May 1, 2021. Based on the analytical results from the groundwater samples collected on April 20, 2021, there was a decrease in benzene in the groundwater within well MW-3 and MW-9 compared to the sampling event conducted in November 2020. The benzene concentrations in wells MW-3 and MW-9 were still below the MTCA Method A level but the diesel range organics in well MW-3 was above the MTCA Method A levels during the event.

In July 2021, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated August 12, 2021. Based on the analytical results from the groundwater samples collected on July 27, 2021, there were no laboratory reported concentrations of benzene in wells MW-3 or MW-9. The lab results showed that the detections of petroleum hydrocarbons in the groundwater within the two wells remained substantially the same as the previous groundwater sampling event.

In September 2021, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated October 1, 2021. Based on the analytical results from the groundwater samples collected on September 22, 2021, there were no laboratory reported concentrations of benzene in wells MW-3 or MW-9. The lab results showed that the select detections of petroleum hydrocarbons in the groundwater within well MW-3 were below MTCA Method A concentration thresholds. Further, there were no detection of VOCs in the groundwater within well MW-9.

In December 2021, an additional groundwater sampling event was conducted at the site. The results of the sampling event were submitted to WDOE in a report dated December 18, 2021. Based on the analytical results from the groundwater samples collected on December 8, 2021, there were no laboratory reported concentrations of TPH or VOC constituents (including benzene) above MTCA Method A regulatory thresholds in wells MW-3 or MW-9.

In May 2022, an additional groundwater sampling event was conducted at the site. The sampling event was conducted using hand bailing to purge the wells instead of a low-flow purging method. The results of the sampling event were submitted to WDOE in a report dated June 12, 2022. Based on the analytical results from the groundwater samples collected on May 16, 2022, there were no laboratory reported concentrations of TPH or VOC constituents (including benzene) above MTCA Method A regulatory thresholds in seven of the eight wells sampled at the site. There were anomalous concentration lab results in the diesel and oil range within the groundwater in well MW-8 (likely due to surficial oil in the well vault being carried down by the bailer into the well temporarily).

In June 2022, a confirmation groundwater sampling event was conducted at the site. The sampling event was conducted using low-flow methods to purge the wells. The results of the sampling event were submitted to WDOE in a report dated July 12, 2022. Based on the analytical results from the groundwater samples collected on June 16, 2022, there were no laboratory reported concentrations of TPH or VOC constituents (including benzene) above MTCA Method A regulatory thresholds in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9.

2.5.8 Soil Vapor Extraction and Groundwater Air Sparge Events

In August 2016, during a scheduled addition of diesel fuel and fuel system repipe project the site by Circle K, Blaes Environmental conducted a soil vapor extraction and groundwater air sparging remediation pilot test event at the site. The objective of the pilot test program was to evaluate whether petroleum hydrocarbon concentrations in the vadose zone soil and in the groundwater saturated zone could be significantly reduced in the southeast part of the site without installing a full fixed-based remediation system. The program utilized a mobile trailer-mounted all-electric catalytic oxidizer (powered by its own diesel generator) to extract and treat soil vapor and a mobile air sparge compressor (powered by a separate diesel generator) to inject air. All of the equipment was located near the corner

of the intersection. Select monitoring wells were used as the vapor extraction points and many of the new air sparge wells were used to inject air into the groundwater during the test.

The air sparge test was conducted from August 15, 2016 to August 26, 2016. The vapor extraction test was completed near the end of the air sparge test from August 24, 2016 to August 26, 2016 in part to recover vapors from the previous days of sparge testing. During both feasibility tests, Blaes Environmental recorded system parameters and monitored the uptime of each system. Additional details from this pilot test program will be presented in a separate pilot test report.

On June 23, 2017, Blaes Environmental conducted a one-day additional air sparge injection event at the site. A small air compressor was used to inject air into sparge well AS-5 near monitoring well MW-3. The event last approximately three hours with a flowrate of approximately 5 cubic feet per minute at a pressure of approximately 3 pounds per square inch into AS-5.

During the summer of 2017, Blaes Environmental conducted four additional one-day additional air sparge injection events at the site. During each event (July 7, 2017, July 17, 2017, July 27, 2017, and August 2, 2017), a small air compressor was used to inject air into sparge well AS-5 near monitoring well MW-3. Each event last between four and eight hours of runtime with a flowrate of approximately 5 cubic feet per minute at a pressure of approximately 3 pounds per square inch into AS-5.

During the summer of 2018 (August 29, 2018 to September 7, 2018), Blaes Environmental conducted additional air sparge injection events at the site. During each event, a small air compressor was used to inject air into a combination of sparge wells AS-5 and AS-6 near monitoring well MW-3. During each event, the flowrate into the air sparge well was approximately 5 cubic feet per minute at a pressure of approximately 3 pounds per square inch.

During the summer of 2019 (July 1, 2019 to August 22, 2019), Blaes Environmental conducted six separate additional air sparge injection events at the site. During each event, a small air compressor was used to inject air into sparge well AS-5 near monitoring well MW-3. During each event, the flowrate into the air sparge well was approximately 5 cubic feet per minute at a pressure of approximately 3 pounds per square inch.

2.5.9 Additional Groundwater Monitoring Well Installation of MW-9

On November 9, 2020, Blaes Environmental, in conjunction with Cascade Drilling of Woodinville, Washington installed one additional groundwater monitoring well MW-9 across Highway 12 south of the Circle K site. The objective of the additional monitoring well was to further understand the lateral distribution of petroleum hydrocarbon concentrations in groundwater from the past release at the Circle K station (before Circle K operated the station).

The groundwater monitoring well MW-9 was drilled to a depth of approximately 12 feet below the ground surface using a hollow-stem auger drilling rig where the rig met auger refusal on cobbles. The drilling was very difficult through gravel and cobbles starting at a depth of approximately 3 feet below the ground surface. No soil samples could be recovered from the boring due to the difficult drilling conditions. The ground surface elevation at well MW-9 was approximately 2-3 feet below the ground elevation of the Circle K station. A 2-inch diameter PVC monitoring well installed within the boring and screened from approximately 7 feet to 12 feet below the ground surface at the well location (across the expected static groundwater zone). The location of well MW-9 is shown on the Site Plan in Figure 3.

3.0 GROUNDWATER MONITORING PROGRAM

A groundwater monitoring and sampling event was conducted at the site in November 2022 by personnel from Blaes Environmental. The objective of the program was to evaluate the groundwater conditions at the site for an eighth time following the installation of offsite well MW-9. The data from this event was compared to the data from the May 2020, November 2020, April 2021, July 2021, September 2021, December 2021, May 2022, and June 2022 sampling events to determine if the lateral extent of petroleum hydrocarbon constituents has been defined to the south of the Circle K property.

This was the second groundwater monitoring event at the site where the laboratory filtered the groundwater and analyzed for dissolved Arsenic and Lead (verses the past unfiltered samples for Arsenic and Lead). Details of the November 2022 groundwater sampling event are provided in the following sections.

3.1 GROUNDWATER MONITORING AND SAMPLING

On November 14, 2022, Blaes Environmental conducted the groundwater monitoring and sampling event within eight of the nine existing groundwater monitoring wells. The event consisted of three tasks: (1) measuring the depth to groundwater in eight of the wells associated with the release case to obtain a groundwater gradient and update the site historical hydrograph, (2) purging wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9 using low-flow procedures (modified in well MW-9) and collecting a groundwater sample from these wells, and (3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A description of each task is presented in the following sections. Note: the well lid was not able to be removed in well MW=5 again during this event so MW-5 was not sampled during the event.

3.1.1 Groundwater Depth Measurements and Gradient

The depth to groundwater in eight monitoring wells was measured to the nearest 0.01 foot using a groundwater level indicator. Depths to water ranged from 10.57 feet (MW-2) to 12.01 feet (MW-4) and averaged 11.09 feet across the site. The water level measurement probe was washed with a Liquinox™ solution and rinsed with tap water before and after each groundwater depth measurement to prevent cross contamination. A summary of the depth to water/elevation data from the November 14, 2022 sampling event is included in Table 1. The field data sheets showing the depth to groundwater measurements are included in Appendix A.

The depth to groundwater was measured from a permanent mark on the top of the uncapped PVC well casing. Using the elevation of the well casing at that same mark, Blaes Environmental calculated the elevation of groundwater in the well during the monitoring event by subtracting the measured depth to groundwater within the well from the surveyed wellhead elevation. On November 14, 2022, the average groundwater elevation at the site was 1454.77 feet above mean sea level.

The groundwater flow direction was to the south-southwest at a gradient of approximately 0.0105 feet/foot. A diagram of the groundwater flow direction and gradient is presented in Figure 3. A hydrograph of groundwater elevations over time is presented in Figure 4.

3.1.2 Groundwater Sample Collection

Groundwater monitoring wells were purged using a flow-through cell and low-flow purging pump and controller during this sampling event. A groundwater sample was collected from the low-flow groundwater stream after the final parameter readings were recorded from each well to evaluate the current dissolved petroleum hydrocarbon concentrations in the groundwater at that location. The groundwater sample was placed into laboratory supplied sample containers. The sample containers were sealed with Teflon lined caps, labeled, and placed on ice in a cooler. A written record of the sample was entered onto a chain-of-custody document for transport to the analytical laboratory.

Note: during low flow purging of well MW-9, the well pumped dry after about 0.25 gallons due to low water volume in the well during this season. The well was switched over to finish the purging with a new disposable bailer which was also used to collect the groundwater sample from the well.

3.1.3 Groundwater Laboratory Analyses

The groundwater samples were delivered to Eurofins Test America in Fife, Washington for laboratory analyses. The groundwater samples from each well were analyzed for Total Petroleum Hydrocarbons gasoline, diesel, and oil range organics using method NWTPH-GX, NWTPH-Dx, NWTPH-O as well as for Arsenic, Lead, and for full list VOCs according to EPA Method 8260B including EDB and EDC and Method 6020. A copy of the groundwater laboratory analytical report is included in Appendix B.

3.1.4 Groundwater Analytical Results

Laboratory analysis of the groundwater samples collected on November 14, 2022 indicated concentrations

of volatile petroleum constituents were not found above MTCA Method A regulatory levels. However, there were exceedances of the MTCA regulatory thresholds in the TPH-diesel range within wells MW-1 and MW-3. The laboratory results also showed for the second consecutive time that Arsenic and Lead concentrations in the groundwater were found to be below the respective laboratory reporting limits. The laboratory analytical results of the groundwater sample are summarized in Table 2.

4.0 RESULTS AND CONCLUSIONS

Based on the analytical results from the groundwater samples collected on November 14, 2022, there were no laboratory reported concentrations of hydrocarbon VOC constituents (including benzene) above MTCA Method A regulatory thresholds in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9. The estimated lateral extent of Benzene in groundwater (none detected) is shown in Figure 5. The reoccurrence of diesel range TPH appears anomalous in well MW-1.

Based on these groundwater results, Circle K is requesting the WDOE closure of hydrocarbon, Arsenic, and Lead case at the site and issue a No Further Action letter.

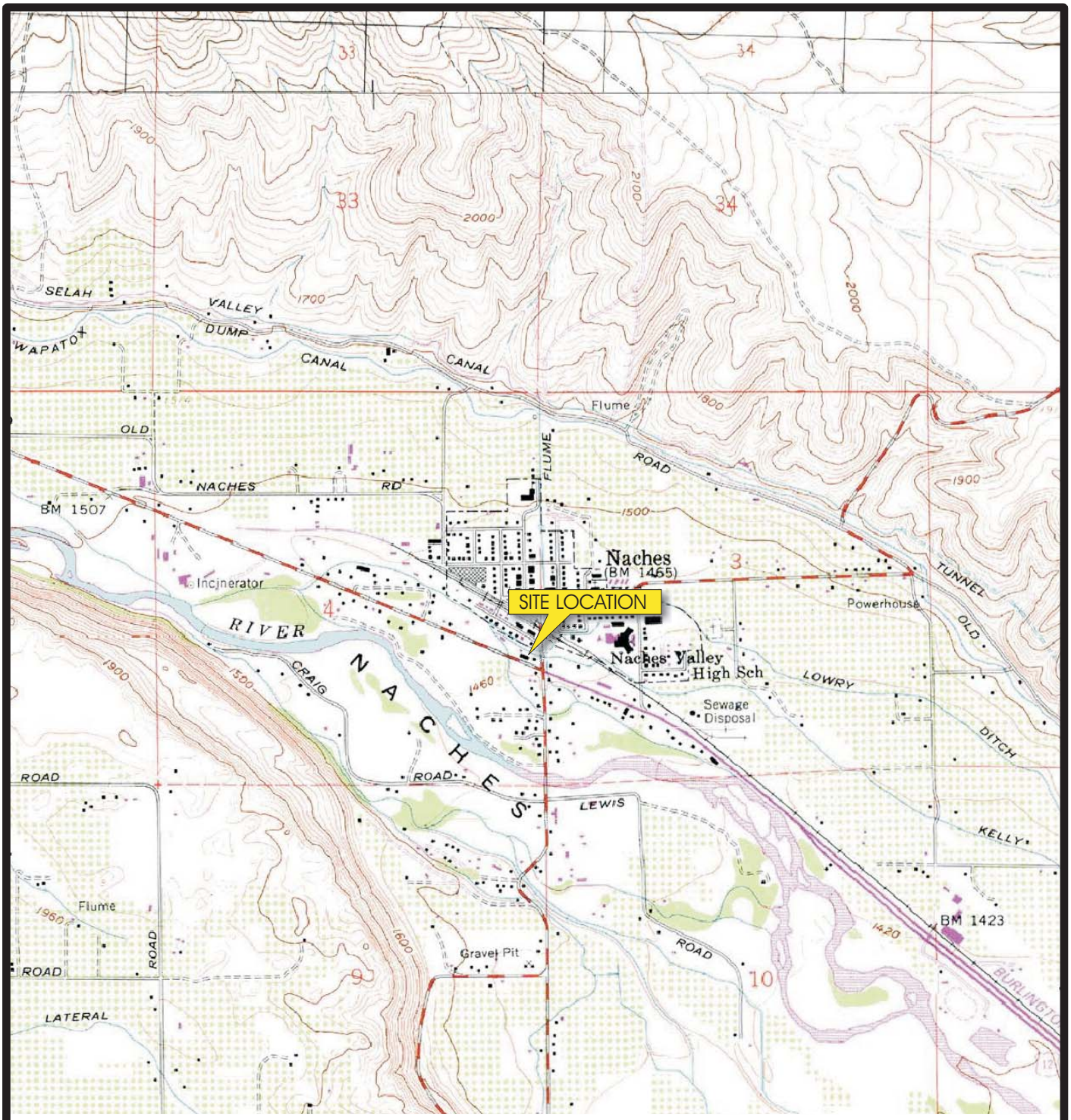
5.0 REFERENCES

White Shield Inc., 1994, UST Closure Site Assessment & Interim Remediation, 47 pg.

Sage Earth Sciences, Inc., 1992, Interim Status Report for a Limited Site Check and Petroleum Contaminated Soil Removal Activities, 36 pg.

Lasmanis, Raymond, 1991, The geology of Washington: Rocks and Minerals, v. 66, no. 4, p. 262-277. © Copyright Heldref Publications (Helen Dwight Reid Educational Foundation).

FIGURES



Source: MapTech Terrain Navigator Naches Quadrangle, 7.5 Minute Topographic Series, 1978

QUADRANGLE LOCATION

Approximate Scale
1:24,000
1 inch = 2000 feet

0 1000 2000 3000 4000

Contour Interval = 20 feet

SITE LOCATION: T14N, R17E, Section 4
46° 43′ 43.23″ North Latitude; 120° 42′ 03.07″ West Longitude

Blaes ENVIRONMENTAL

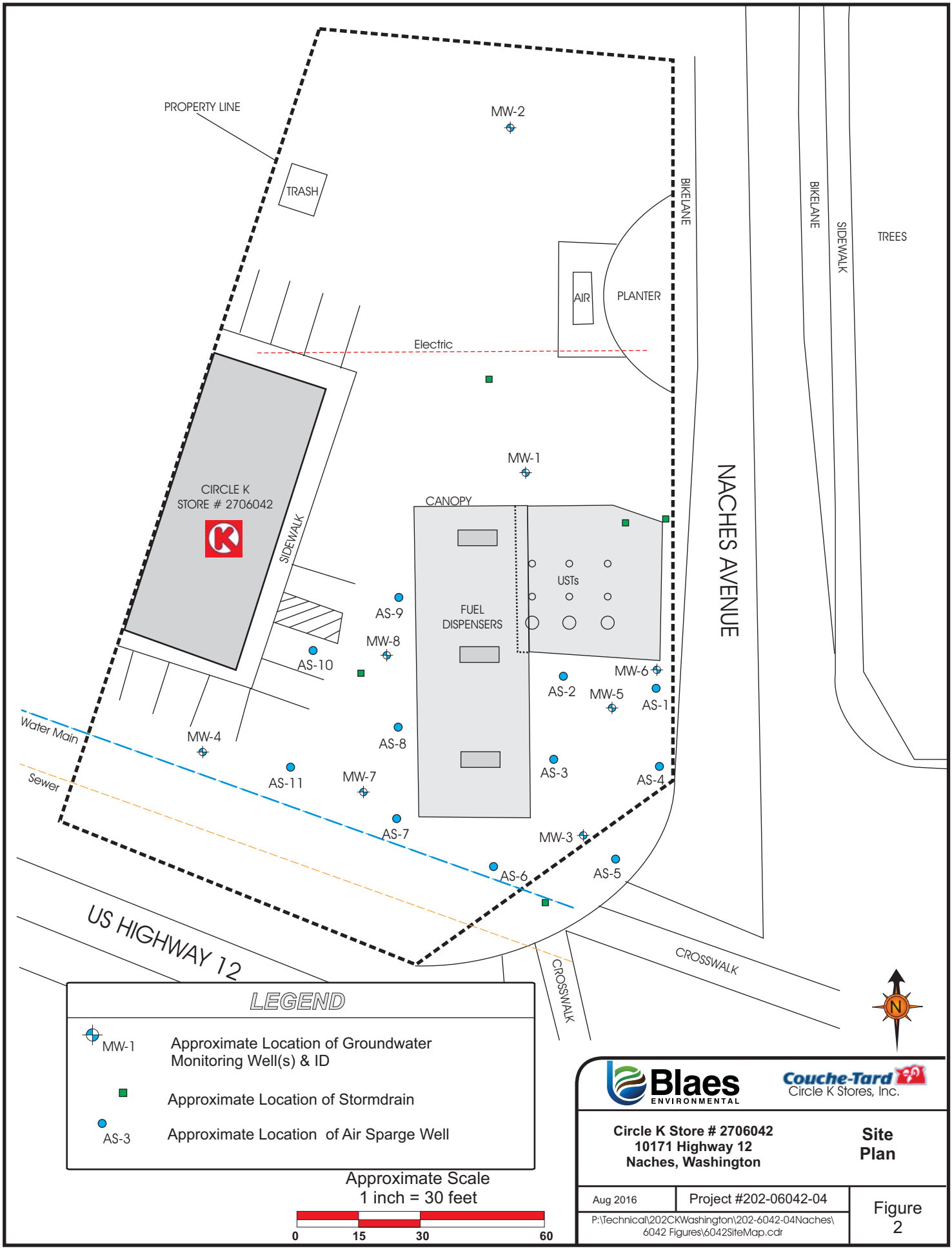
Couche-Tard
Circle K Stores, Inc.

Circle K Store 2706042
(Former Sunmart #21)
10171-10173 Highway 12
Naches, WA

SITE LOCATION MAP

April 2013	Project #202-06042-02	Figure 1

P:\Technical\202CK-WA\202-06042-02 Naches\Graphics\SLM.cdr



Blaes ENVIRONMENTAL

Couche-Tard
Circle K Stores, Inc.

Circle K Store # 2706042
10171 Highway 12
Naches, Washington

Site Plan

Aug 2016

Project #202-06042-04

P:\Technical\202CKWashington\202-6042-04Naches\6042 Figures\6042SiteMap.cdr

Figure 2

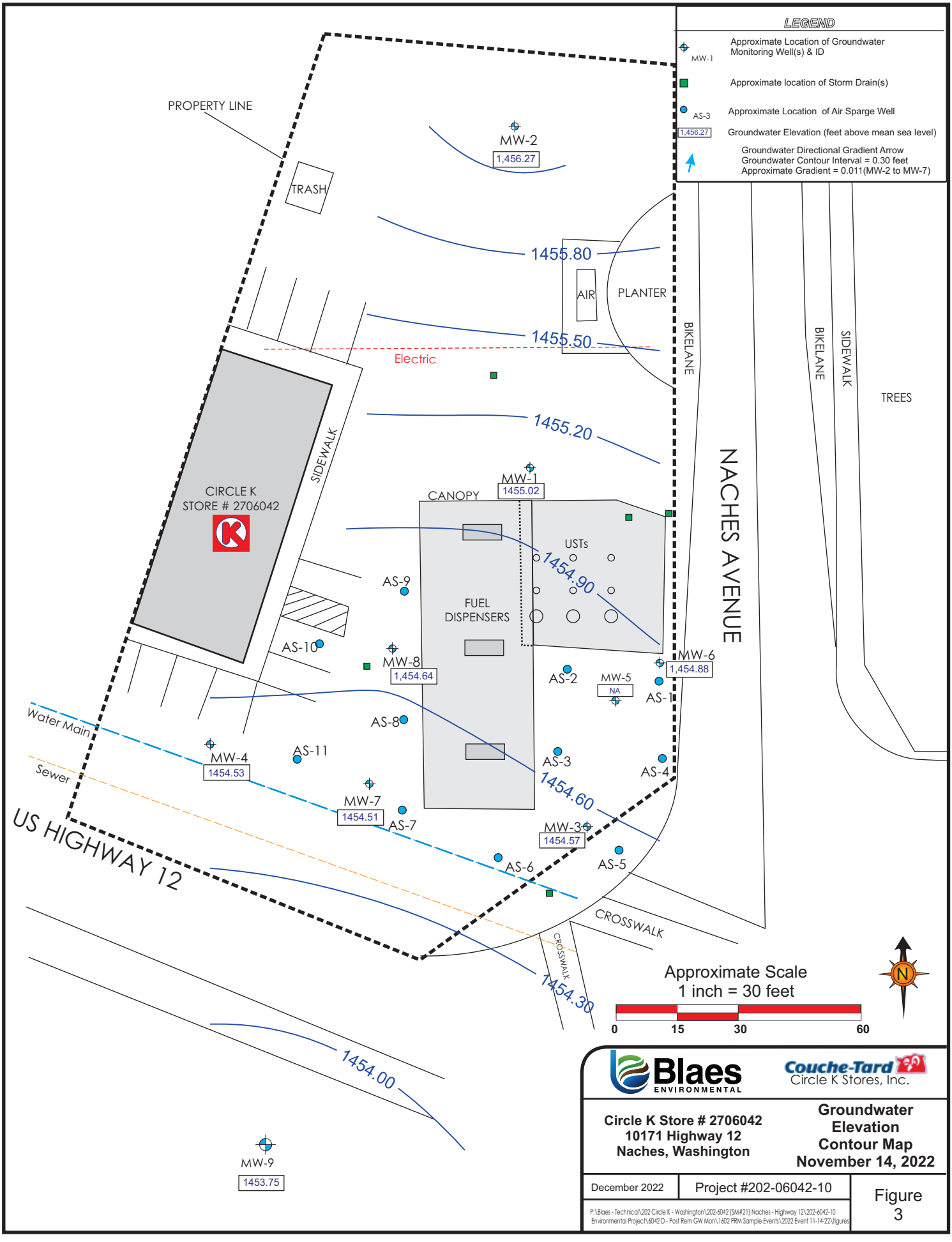
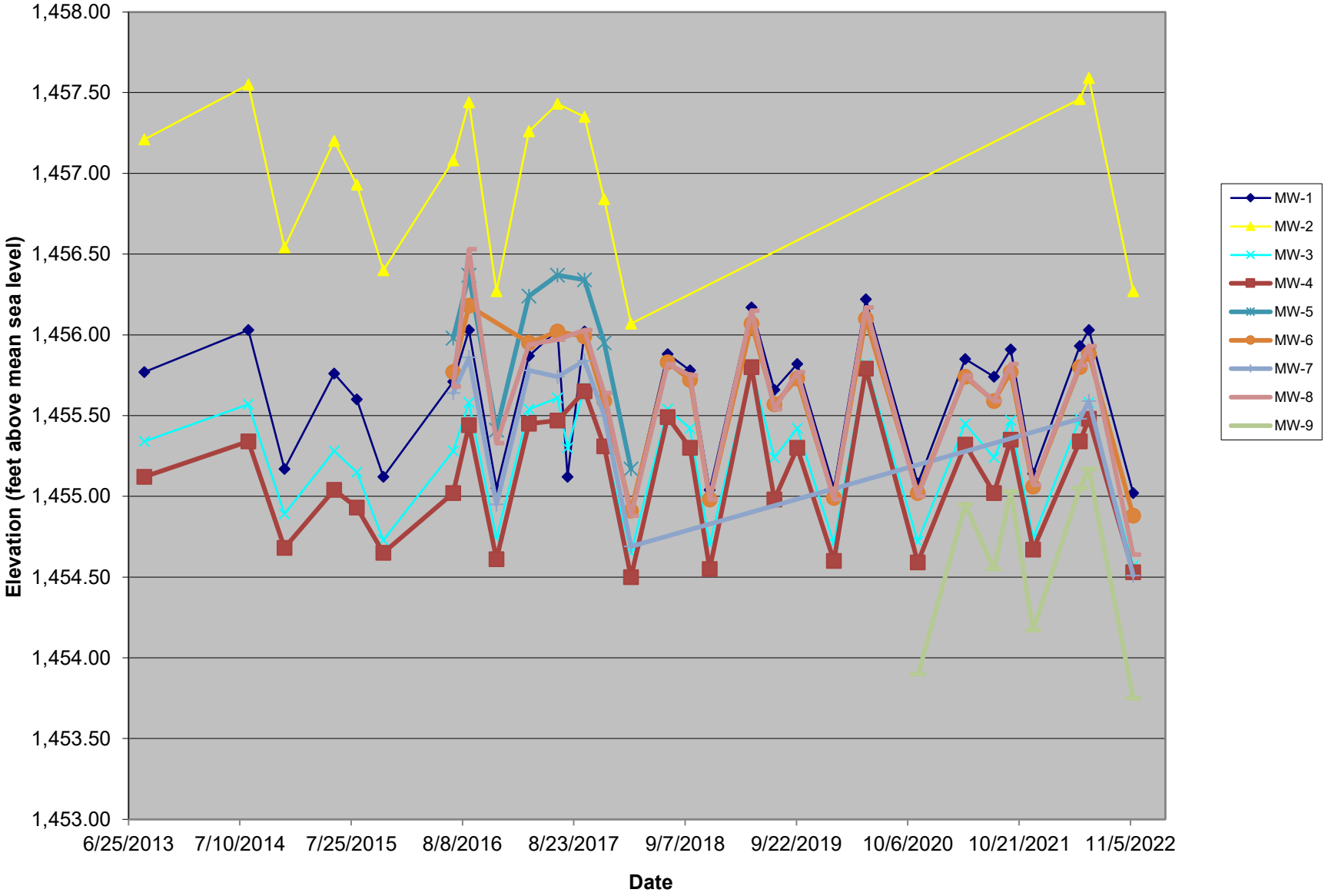
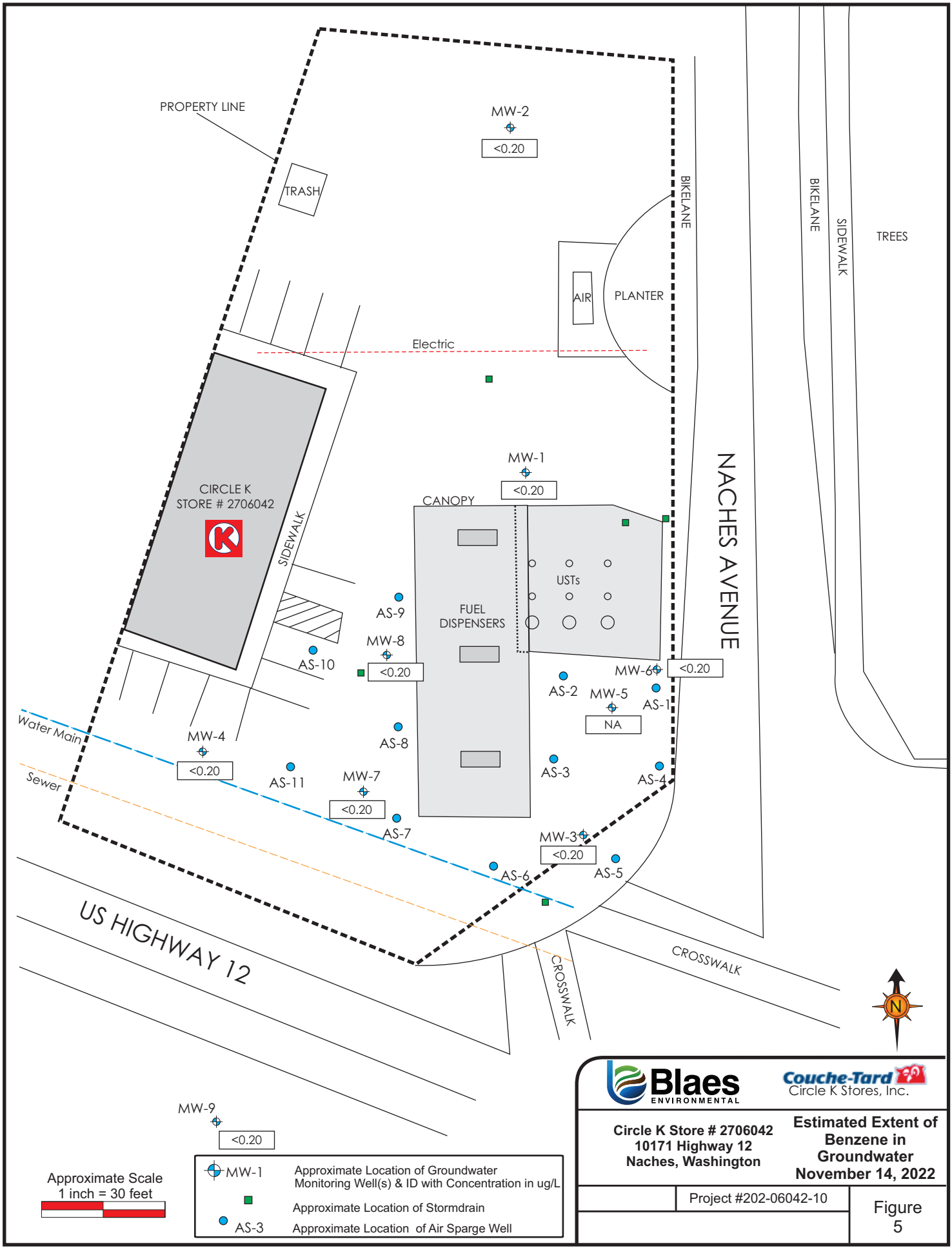

LEGEND
MW-1
Approximate Location of Groundwater Monitoring Well(s) & ID
Approximate location of Storm Drain(s)
AS-3
Approximate Location of Air Sparge Well
1,456.27
Groundwater Elevation (feet above mean sea level)
Groundwater Directional Gradient Arrow
Groundwater Contour Interval = 0.30 feet
Approximate Gradient = 0.011(MW-2 to MW-7)
PROPERTY LINE
MW-2
1,456.27
TRASH
1455.80
AIR
PLANTER
1455.50
Electric
BIKELANE
BIKELANE
SIDEWALK
TREES
NACHES AVENUE
1455.20
SIDEWALK
CIRCLE K
STORE # 2706042
MW-1
1455.02
CANOPY
USTs
1454.90
AS-9
FUEL
DISPENSERS
AS-10
MW-8
1,454.64
AS-2
MW-5
NA
MW-6
1,454.88
AS-1
AS-8
Water Main
Sewer
MW-4
1454.53
AS-11
AS-3
AS-4
1454.60
MW-7
1454.51
AS-7
MW-3
1454.57
US HIGHWAY 12
AS-6
AS-5
CROSSWALK
CROSSWALK
1454.30
1454.00
MW-9
1453.75
Approximate Scale
1 inch = 30 feet
0
15
30
60
N
Blaes
ENVIRONMENTAL
Couche-Tard
Circle K Stores, Inc.
Circle K Store # 2706042
10171 Highway 12
Naches, Washington
Groundwater Elevation Contour Map
November 14, 2022
December 2022
Project #202-06042-10
Figure 3
P:\Blaes - Technical\202 Circle K - Washington\202-6042 [SM#21] Naches - Highway 12\202-6042-10 Environmental Project\6042 D - Post Rem GW Mon\1602 PRM Sample Events\2022 Event 11-14-22\figures

FIGURE 4: HYDROGRAPH
Circle K #2706042
10171 Highway 12
Naches, Washington





Blaes ENVIRONMENTAL

Couche-Tard
Circle K Stores, Inc.

Circle K Store # 2706042
10171 Highway 12
Naches, Washington

Estimated Extent of Benzene in Groundwater
November 14, 2022

Project #202-06042-10

Figure 5

TABLES

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
MW-1	8/18/2013	1466.08	---	10.31	1,455.77
	8/8/2014		---	10.05	1,456.03
	12/10/2014		---	10.91	1,455.17
	5/28/2015		---	10.32	1,455.76
	8/13/2015		---	10.48	1,455.60
	11/12/2015		---	10.96	1,455.12
	7/7/2016		---	10.37	1,455.71
	8/30/2016		---	10.05	1,456.03
	12/2/2016		---	11.03	1,455.05
	3/23/2017		---	10.21	1,455.87
	6/28/2017		---	10.05	1,456.03
	8/2/2017		---	10.96	1,455.12
	9/29/2017		---	10.06	1,456.02
	12/5/2017		---	10.48	1,455.60
	3/6/2018		---	11.15	1,454.93
	7/9/2018		---	10.20	1,455.88
	9/24/2018		---	10.30	1,455.78
	11/30/2018		---	11.04	1,455.04
	4/22/2019		---	9.91	1,456.17
	7/9/2019		---	10.42	1,455.66
	9/25/2019		---	10.26	1,455.82
	1/28/2020		---	11.03	1,455.05
	5/16/2020		---	9.86	1,456.22
	11/9/2020		---	11.00	1,455.08
	4/20/2021		---	10.23	1,455.85
	7/27/2021		---	10.34	1,455.74
	9/22/2021		---	10.17	1,455.91
	12/8/2021		---	10.94	1,455.14
	5/16/2022		---	10.15	1,455.93
	6/16/2022		---	10.05	1,456.03
	11/14/2022		---	11.06	1,455.02
MW-2	8/18/2013		---	9.63	1,457.21
	8/8/2014		---	9.29	1,457.55
	12/10/2014		---	10.30	1,456.54

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
	5/28/2015	1466.84	---	9.64	1,457.20
	8/13/2015		---	9.91	1,456.93
	11/12/2015		---	10.44	1,456.40
	7/7/2016		---	9.76	1,457.08
	8/30/2016		---	9.40	1,457.44
	12/2/2016		---	10.57	1,456.27
	3/23/2017		---	9.58	1,457.26
	6/28/2017		---	9.41	1,457.43
	9/29/2017		---	9.49	1,457.35
	12/5/2017		---	10.00	1,456.84
	3/6/2018		---	10.77	1,456.07
	5/16/2022		---	9.38	1,457.46
	6/16/2022		---	9.25	1,457.59
	11/14/2022		---	10.57	1,456.27
MW-3	8/18/2013	1466.26	---	10.92	1,455.34
	8/8/2014		---	10.69	1,455.57
	12/10/2014		---	11.37	1,454.89
	5/28/2015		---	10.98	1,455.28
	8/13/2015		---	11.11	1,455.15
	11/12/2015		---	11.53	1,454.73
	7/7/2016		---	10.98	1,455.28
	8/30/2016		---	10.68	1,455.58
	12/2/2016		---	11.52	1,454.74
	3/23/2017		---	10.72	1,455.54
	6/28/2017		---	10.65	1,455.61
	8/2/2017		---	10.96	1,455.30
	9/29/2017		---	10.59	1,455.67
	12/5/2017		---	10.94	1,455.32
	3/6/2018		---	11.61	1,454.65
	7/9/2018		---	10.72	1,455.54
	9/24/2018		---	10.84	1,455.42
	11/30/2018		---	11.56	1,454.70
	4/22/2019		---	10.47	1,455.79
	7/9/2019		---	11.02	1,455.24
	9/25/2019		---	10.84	1,455.42

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
	1/28/2020		---	11.55	1,454.71
	5/16/2020		---	10.44	1,455.82
	11/9/2020		---	11.54	1,454.72
	4/20/2021		---	10.81	1,455.45
	7/27/2021		---	11.02	1,455.24
	9/22/2021		---	10.79	1,455.47
	12/8/2021		---	11.52	1,454.74
	5/16/2022		---	10.78	1,455.48
	6/16/2022		---	10.68	1,455.58
	11/14/2022		---	11.69	1,454.57
MW-4	8/18/2013		---	11.42	1,455.12
	8/8/2014		---	11.20	1,455.34
	12/10/2014		---	11.86	1,454.68
	5/28/2015		---	11.50	1,455.04
	8/13/2015		---	11.61	1,454.93
	11/12/2015		---	11.89	1,454.65
	7/7/2016		---	11.52	1,455.02
	8/30/2016		---	11.10	1,455.44
	12/2/2016		---	11.93	1,454.61
	3/23/2017		---	11.09	1,455.45
	6/28/2017		---	11.07	1,455.47
	9/29/2017		---	10.89	1,455.65
	12/5/2017		---	11.23	1,455.31
	3/6/2018		---	12.04	1,454.50
	7/9/2018		---	11.05	1,455.49
	9/24/2018	1466.54	---	11.24	1,455.30
	11/30/2018		---	11.99	1,454.55
	4/22/2019		---	10.74	1,455.80
	7/9/2019		---	11.56	1,454.98
	9/25/2019		---	11.24	1,455.30
	1/28/2020		---	11.94	1,454.60
	5/16/2020		---	10.75	1,455.79
	11/9/2020		---	11.95	1,454.59
	4/20/2021		---	11.22	1,455.32
	7/27/2021		---	11.52	1,455.02
	9/22/2021		---	11.19	1,455.35
	12/8/2021		---	11.87	1,454.67
	5/16/2022		---	11.20	1,455.34
	6/16/2022		---	11.06	1,455.48

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
	11/14/2022		---	12.01	1,454.53
MW-5	7/7/2016		---	10.27	1,455.98
	8/30/2016		---	9.88	1,456.37
	12/2/2016		---	10.84	1,455.41
	3/23/2017		---	10.01	1,456.24
	6/28/2017	1466.25	---	9.88	1,456.37
	9/29/2017		---	9.91	1,456.34
	12/5/2017		---	10.30	1,455.95
	3/6/2018		---	11.08	1,455.17
MW-6	7/7/2016		---	10.05	1,455.77
	8/30/2016		---	9.64	1,456.18
	12/2/2016		---	NA	NA
	3/23/2017		---	9.87	1,455.95
	6/28/2017		---	9.80	1,456.02
	9/28/2017		---	9.83	1,455.99
	12/5/2017		---	10.23	1,455.59
	3/6/2018		---	10.91	1,454.91
	7/9/2018		---	9.99	1,455.83
	9/24/2018		---	10.10	1,455.72
	11/30/2018		---	10.84	1,454.98
	4/22/2019		---	9.75	1,456.07
	7/9/2019	1465.82	---	10.25	1,455.57
	9/25/2019		---	10.09	1,455.73
	1/28/2020		---	10.83	1,454.99
	5/16/2020		---	9.72	1,456.10
	11/9/2020		---	10.80	1,455.02
	4/20/2021		---	10.08	1,455.74
	7/27/2021		---	10.23	1,455.59
	9/22/2021		---	10.05	1,455.77
	12/8/2021		---	10.76	1,455.06
	5/16/2022		---	10.02	1,455.80
	6/16/2022		---	9.94	1,455.88
	11/14/2022		---	10.94	1,454.88
MW-7	7/7/2016		---	10.35	1,455.64
	8/30/2016		---	10.13	1,455.86
	12/2/2016		---	11.04	1,454.95

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
	3/23/2017	1465.99	---	10.21	1,455.78
	6/28/2017		---	10.25	1,455.74
	9/29/2017		---	10.15	1,455.84
	12/5/2017		---	10.49	1,455.50
	3/6/2018		---	11.30	1,454.69
	5/16/2022		---	10.51	1,455.48
	6/16/2022		---	10.40	1,455.59
	11/14/2022		---	11.48	1,454.51
MW-8	7/7/2016	1465.50	---	9.82	1,455.68
	8/30/2016		---	8.97	1,456.53
	12/2/2016		---	10.17	1,455.33
	3/23/2017		---	9.56	1,455.94
	6/28/2017		---	9.53	1,455.97
	9/29/2017		---	9.47	1,456.03
	12/5/2017		---	9.86	1,455.64
	3/6/2018		---	10.62	1,454.88
	7/9/2018		---	9.68	1,455.82
	9/24/2018		---	9.75	1,455.75
	11/30/2018		---	10.52	1,454.98
	4/22/2019		---	9.35	1,456.15
	7/9/2019		---	9.96	1,455.54
	9/25/2019		---	9.73	1,455.77
	1/28/2020		---	10.52	1,454.98
	5/16/2020		---	9.33	1,456.17
	11/9/2020		---	10.50	1,455.00
	4/20/2021		---	9.75	1,455.75
	7/27/2021		---	9.91	1,455.59
	9/22/2021		---	9.68	1,455.82
	12/8/2021		---	10.43	1,455.07
	5/16/2022		---	9.69	1,455.81
	6/16/2022		---	9.57	1,455.93
	11/14/2022		---	10.86	1,454.64
MW-9	11/10/2020	1464.52	---	10.62	1,453.90
	4/20/2021		---	9.57	1,454.95
	7/27/2021		---	9.97	1,454.55
	9/22/2021		---	9.49	1,455.03
	12/8/2021		---	10.35	1,454.17

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171 Highway 12

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
	5/16/2022		---	9.47	1,455.05
	6/16/2022		---	9.35	1,455.17
	11/14/2022		---	10.77	1,453.75

NOTES:

ft btoc = Feet Below Top Of Casing
ft amsl = Feet Above Mean Sea Level
TOC = Top of Casing
--- = Not Present/Not Applicable

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	EPA Method 8260														
					Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
MW-1	8/12/2013	<50	---	---	**1.1**	<1.0	<1.0	<2.0	<1.0	<1.0	<0.01	NA	<1.0	<1.0	<1.0	<1.0	NA	---	ND
	8/8/2014	**340**	---	---	<0.10	**0.27**	<0.10	**0.26**	**0.11**	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	NA	---	**1,2-Dichloropropane 0.16**
	12/10/2014	**170**	---	---	<0.10	**1.9**	**0.13**	**29**	**5.1**	<0.10	<0.01	<0.10	<0.40	**1.5**	<0.10	<0.10	NA	---	ND
	5/28/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	ND
	8/13/2015	<50	---	---	**3.1**	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	**2.6**	<0.5	<0.2	<0.5	NA	---	ND
	11/12/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	7/7/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	3/23/2017	<50	---	---	<0.2	<0.2	<0.2	<0.4	<0.2	<0.5	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	ND
	6/28/2017	<500	---	---	<0.2	<0.2	<0.2	<0.5	<0.2	<0.5	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<110	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	---	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	3/6/2018	<250	<110	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	**28**	**53**	ND
	7/9/2018	<150	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	9/24/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.50	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	**7.7**	ND
	11/30/2018	<250	<110	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.30	<0.50	**31**	**57**	ND
	4/22/2019	<250	<240	<400	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.30	<0.50	**7.7**	**11**	ND
	7/9/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.30	<0.50	**3.1**	**5.4**	ND
	9/25/2019	<250	**130**	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.30	<0.50	<5.0	**4.7**	ND
	5/16/2022	<150	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.50	<0.50	**31**	**56**	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.028	<0.20	<1.0	<1.0	<0.50	<0.50	<5	<2	ND
	11/14/2022	<50	**510**	**390**	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5	<2	ND
MW-2	8/12/2013	<50	---	---	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<0.01	NA	<1.0	<1.0	<1.0	<1.0	NA	---	ND
	8/8/2014	**130**	---	---	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	NA	---	ND
	12/10/2014	<50	---	---	**0.32**	<0.10	<0.10	<0.20	<0.10	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	NA	---	ND
	5/28/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	ND
	8/13/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	ND
	11/12/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	7/7/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	3/23/2017	<50	---	---	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	ND
	6/28/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
	12/5/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	1.7	ND
	3/6/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0098	<0.2	<1.0	<1.0	<0.3	<0.5	NA	19	ND
	5/16/2022	<150	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.5	<0.5	<5.0	3.3	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	<88	<280	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MW-3	8/12/2013	50000	---	---	<1.0	27	830	1,500	930	<1.0	<0.01	NA	380	160	1,200	780	NA	---	4-Isopropyltoluene 22; n-Butylbenzene 550; N-propylbenzene 490; sec-Butylbenzene 34; Styrene 32;
	8/8/2014	59000	---	---	2.6	15	1100	5,300	920	<0.10	<0.01	<0.10	320	110	3,600	1,300	NA	---	4-isopropylbenzene 57; n-Butylbenzene 510; N-Propylbenzene 430; sec-butylbenzene 31; Styrene 27;
	12/10/2014	49000	---	---	200	25	860	4,100	1000	<0.10	<0.01	<0.10	560	160	770	1,200	NA	---	4-isopropylbenzene 19; n-Butylbenzene 670; N-Propylbenzene 460; sec-butylbenzene 38; Styrene 1.2;
	5/28/2015	56000	---	---	2800	3100	1300	5,100	1200	<0.2	<0.01	<0.2	520	180	4,800	1,300	NA	---	4-isopropylbenzene 16; n-Butylbenzene 680; sec-butylbenzene 43; Styrene 1.4;
	8/13/2015	74000	110	---	2400	2300	1200	2,600	1200	<2	<0.01	<0.2	600	180	1,900	1,300	NA	---	#2 Diesel 0.11; sec-Butylbenzene 43; n-Butylbenzene 710; N-Propylbenzene 590; 4-Isopropyltoluene 19
	11/12/2015	54000	12000	---	1900	1800	970	3,000	780	<0.2	<0.01	<0.2	33	140	3,100	830	NA	---	4-Isopropyltoluene 16; Styrene 0.82; n-Butylbenzene 530; N-Propylbenzene 520; #2 Diesel 12000 Motor Oil 860
	7/7/2016	36000	---	---	540	260	1000	3,000	790	<0.2	<0.40	<0.2	9	130	3,700	790	NA	---	Styrene 0.74; 4-isopropyltoluene 19; N-propylbenzene 520; n-Butylbenzene 590;
	8/30/2016	1900	---	---	14	33	36	100	32	<0.2	<0.001	<0.2	26	3.5	110	42	NA	---	1,3 Dichloropropene 0.5; N-Propylbenzene 13 ; sec-Butylbenzene 1.1; 4-Isopropyltoluene 0.84; n-Butylbenzene 44 ;

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
	12/2/2016	10000	---	---	150	25	510	1,200	280	<10	<0.0099	<10	350	84	2,400	540	NA	---	N-Propylbenzene 290; 4-Isopropyltoluene 15; n-Butylbenzene 430
	3/23/2017	18000	---	---	52.9	5.52	264	358	121	<0.5	<0.01	<0.2	<0.5	47.5	247	132	NA	---	2-Chlorotoluene 27.6; N-Propylbenzene 98.9 ; sec-Butylbenzene 15.1; 4-Isopropyltoluene 9.73; n-Butylbenzene 19.0 ;
	6/28/2017	8700	---	---	18	7.3	190	280	59	<2.0	<0.01	<2.0	91	38	940	81	NA	---	N-Propylbenzene 120 ; sec-Butylbenzene 14; 4-Isopropyltoluene 6.7; n-Butylbenzene 120 ;
	8/2/2017	4400	---	---	5.67	1.15	63.2	76	4.43	<0.15	<0.15	<0.15	25.1	13.9	402	7.5	NA	---	4-Chlorotoluene 10.0; N-Propylbenzene 58.3 ; sec-Butylbenzene 5.61; p-Isopropyltoluene 2.32; n-Butylbenzene 10.2;
	9/29/2017	10000	1400	300	32	<10	370	470	29	<10	<0.0099	<10	130	<250	1,500	76	NA	43	N-Propylbenzene 270 ; n-Butylbenzene 160 ;
	12/5/2017	7800	1900	400	22	3.5	210	110	19	<10	<0.01	<0.2	110	43	1,200	6.9	NA	12	N-Propylbenzene 160 ; n-Butylbenzene 50 ; 4-Isopropyltoluene 4.6; sec-butylbenzene 15
	3/6/2018	8400	2300	490	11	<10	210	88	<25	<15	<0.0099	<10	56	<50	1,300	<25	NA	57	N-Propylbenzene 160 ; n-Butylbenzene 79 ;
	7/9/2018	6300	2700	<360	8.4	6.0	260	270	38	<0.30	<0.0099	<0.20	96	56	1,400	59	9.3	13	N-Propylbenzene 210 ; n-Butylbenzene 130 ; 4-Isopropyltoluene 9.5; sec-butylbenzene 20
	9/24/2018	3,700	1,200	<360	2.8	0.98	85	19	4.5	<0.30	<0.01	<0.20	30	24	500	1.6	12	11	1,1,2-Trichloroethane 0.24; N-Butylbenzene 29; sec-Butylbenzene 8.1; 4-Isopropyltoluene 2.4; N-Propylbenzene 81
	11/30/2018	6,200	1,500	<350	4.8	<2.0	150	30	6.2	<3.0	<0.01	<0.20	41	54	960	<5.0	25	40	sec-Butylbenzene 16; n-Butylbenzene 60;
	4/22/2019	3,500	1,000	<400	2.6	<0.20	61	3	2.6	<0.30	<0.01	<0.20	1.4	32	57	5.7	6.0	4.4	N-Butylbenzene 50; sec-Butylbenzene 12; 4-Isopropyltoluene 4.0; N-Propylbenzene 39

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Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
	7/9/2019	1,900	260	<350	0.97	0.39	18	14	0.9	<0.30	<0.01	<0.20	14	25	26	<0.50	5.0	8.0	sec-Butylbenzene 10; 4-Isopropyltoluene 4.0; N-Propylbenzene 32
	9/25/19'	1,800	630	<350	1.90	0.58	64	25	2.3	<0.30	<0.01	<0.20	25	43	33	27	6.6	21	sec-Butylbenzene 16; 4-Isopropyltoluene 2.9; N-Propylbenzene 42; 1,1,2-Trichloroethane 6.9;
	1/28/2020	2,400	1,200	<350	0.93	0.49	30	15	1.3	<0.30	<0.019	<0.20	15	32	37	37	7.4	11	sec-Butylbenzene 16; 4-Isopropyltoluene 2.9; N-Propylbenzene 69; tert-butylbenzene 43;
	5/16/2020	380	280	<320	<0.20	<0.20	3.2	<0.50	<0.50	<0.30	<0.01	<0.20	<1.0	3.5	7.7	<0.50	<10	<8.0	sec-Butylbenzene 4.8; 1,1,2-Trichloroethane 4.9; N-Propylbenzene 9.2; N-Butylbenzene 9.0;
	11/9/2020	4,100	1,400	<330	2.8	1.8	110	47	3.4	<0.30	<0.01	<0.20	49	48	<6.0	<0.50	6.8	6.1	sec-Butylbenzene 23; 1,1,2-Trichloroethane 7.7; N-Propylbenzene 180; N-Butylbenzene 18; 4-Isopropyltolune 7.5 Trichloroethene 1.1
	4/20/2021	710	890	<350	<0.20	<0.20	<0.20	<0.50	<0.50	<0.3	<0.010	<0.20	<1.0	<1.0	<0.30	<0.50	<5.0	7.9	ND
	7/27/2021	1,000	870	540	<2.0	<2.0	21	<5.0	<5.0	<3.0	<0.0098	<2.0	<10	12	41	<5.0	14	37	1,1,2-Trichloroethane 3.1; N-Propylbenzene 69;
	9/22/2021	420	300	<350	<0.20	<0.20	8.1	<0.50	<0.50	<0.3	<0.010	<0.20	3.0	6.4	13	1.4	<5.0	8.3	N-Propylbenzene 25;
	12/8/2021	430	300	<350	<0.20	<0.20	6.4	<0.50	<0.50	<0.3	<0.010	<0.20	1.6	5.6	11	1.3	<5.0	2.7	N-Propylbenzene 25;
	5/16/2022	600	240	<360	<0.20	<0.20	3.1	<0.50	<0.50	<0.3	<0.010	<0.20	1.4	3.4	2	<0.50	<5.0	2.4	N-Propylbenzene 11
	6/16/2022	<250	<100	<250	<0.20	<0.20	2.7	<0.50	<0.50	<0.30	<0.028	<0.20	<1.0	2.7	0.95	<0.50	<5.0	<2.0	N-Propylbenzene 11; sec-Butylbenzene 2.8
	11/14/2022	1,700	300	<280	0.35	<0.20	10.0	<0.50	<0.50	<0.30	<0.10	<0.20	5.3	12.0	6.40	<0.50	<5.0	<2.0	N-Propylbenze-42
	8/12/2013	590	---	---	<1.0	<1.0	1.3	7.0	1.7	<1.0	<0.01	NA	72	<1.0	12	4.1	NA	---	N-propylbenzene 1.9
	8/8/2014	<50	---	---	<1.0	0.22	<1.0	<0.20	<0.10	<1.0	<0.01	<0.10	<0.40	<1.0	<0.10	<0.10	NA	---	1,2-Dichloropropane 0.17; sec-Butylbenzene 0.20
	12/10/2014	<50	---	---	12	0.12	0.71	3.6	0.64	<0.10	<0.01	<0.10	4.1	0.17	1.3	1.6	NA	---	sec-Butylbenzene 1.3
	5/28/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	N-propylbenzene 1.2
	8/13/2015	51.0	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	NA	---	trans-1,2 Dichloroethene 0.29;
	11/12/2015	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	7/7/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	2	<0.5	<0.2	<0.5	NA	---	ND
	8/30/2016	<50	----	----	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	----	ND

TABLE 2

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Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
MW-4	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.50	<0.5	<0.2	<0.5	NA	---	ND
	3/23/2017	<50	---	---	<0.2	<0.2	**0.32**	**0.7**	<0.2	<0.5	<0.01	<0.2	**11.4**	<0.2	**3.44**	**0.49**	NA	---	**N-propylbenzene 0.34**
	6/28/2017	<50	---	---	<2.0	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<100	<240	<2.0	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<100	<240	<2.0	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	3.1	ND
	3/6/2018	<250	<110	<360	<2.0	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0097	<0.2	<1.0	<1.0	<0.3	<0.5	NA	**23**	ND
	7/9/2018	<150	<110	<350	<2.0	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	9/24/2018	<250	<110	<350	<2.0	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.20	<1.0	<1.0	<0.3	<0.5	**6.9**	**9.2**	ND
	11/30/2018	<250	<110	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	**12**	**15**	**Chloroform 0.41**
	4/22/2019	<250	<110	<420	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	7/9/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<2.0	**1.5**	ND
	9/25/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	5/16/2022	<150	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.5	<0.5	**7.9**	**11**	ND
	6/16/2022	<250	<110	<260	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	<87	<280	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MW-5	7/7/2016	**850**	---	---	**1.9**	**33.0**	**14.0**	**96 E**	**67**	**0.70**	<0.01	<0.2	**4.3**	**0.7**	**40**	<0.5	NA	---	**N-Propylbenzene 2.2; 4- Isopropyltoluene 0.34 n-Butylbenzene 17;**
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	**0.32**	**0.51**	NA	---	**n-Butylbenzene 0.95**
	3/23/2017	<50	---	---	<0.2	<0.2	<0.2	<0.4	<0.2	<0.5	<0.2	<0.2	**1.64**	<0.2	**0.87**	<0.2	NA	---	ND
	6/28/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<110	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	3.2	ND
	3/6/2018	<250	<110	<350	<2.0	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<!.0	<1.0	<0.3	<0.5	NA	5.4	ND
MW-6	7/7/2016	**79**	---	---	**0.31**	**0.26**	**0.68**	**2.10**	**1.30**	<0.20	<0.01	<0.20	**0.51**	<0.50	**2.30**	**0.91**	NA	---	**n-butylbenzene 0.94**
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	0.50	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	3/23/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	**0.62**	<0.2	**0.43**	<0.2	NA	---	ND
	6/28/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<110	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	5.4	ND
	3/6/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	NA	7.3	ND
	7/9/2018	<150	**120**	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	9/24/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	10	ND
	11/30/2018	<250	<110	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	**13**	**29**	ND
	4/22/2019	<250	<240	<400	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	**8**	ND
	7/9/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	**5.1**	ND
	9/25/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)
	5/16/2022	<150	<100	<320	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.6	<0.5	**6.9**	**18**	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	<85	<270	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.01	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MW-7	7/7/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	2	<0.5	<0.2	<0.5	NA	---	ND
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	3/27/2017	<50	---	---	<0.2	<0.2	<0.2	<0.4	<0.2	<0.5	<0.01	<0.2	<0.5	<0.2	**0.28**	<0.2	NA	---	ND
	6/28/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<110	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<0.8	ND
	3/6/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.3	<0.5	NA	<4.0	ND
	5/16/2022	<150	<100	<320	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.010	<0.2	<1.0	<1.0	<0.5	<0.5	<5.0	<2.0	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	<85	<270	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MW-8	7/7/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	2	<0.5	<0.2	<0.5	NA	---	ND
	8/30/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	12/2/2016	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	3/27/2017	<50	---	---	<0.2	<0.2	<0.2	<0.4	<0.2	<0.5	<0.01	<0.2	<0.5	<0.2	**0.21**	<0.2	NA	---	ND
	6/28/2017	<50	---	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.5	NA	---	ND
	9/29/2017	<250	<110	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	<30	ND
	12/5/2017	<250	<100	<240	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.0099	<0.2	<0.5	<0.5	<0.2	<0.5	NA	7.7	ND
	3/6/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	NA	**21**	ND
	7/9/2018	<150	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	**20**	**33**	ND
	9/24/2018	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	**30**	**46**	ND
	11/30/2018	<250	<110	<360	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.10	<0.2	<1.0	<1.0	<0.3	<0.5	**19**	**30**	ND
	4/22/2019	<250	<240	<410	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.10	<0.2	<1.0	<1.0	<0.3	<0.5	**14**	**21**	ND
	7/9/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.10	<0.2	<1.0	<1.0	<0.3	<0.5	**3.5**	**7.4**	ND
	9/25/2019	<250	<110	<350	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	0.043p	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	<4.0	ND
	5/16/2022	<150	**11000***	**10000***	<0.2	<0.2	<0.2	<0.5	<0.5	<0.3	<0.0099	<0.2	<1.0	<1.0	<0.5	<0.5	<5.0	**7.4**	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	<86	<270	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MW-9	11/10/2020	<150	<110	<320	**0.38**	**0.32**	<0.2	<0.5	<0.5	<0.30	<0.01	<0.2	<1.0	<1.0	<0.3	<0.5	<5.0	**4.5**	**Trichloroethene 0.41**
	4/20/2021	<250	<110	<350	<0.20	<0.20	<0.2	<0.50	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.3	<0.5	<5.0	**12**	ND
	7/27/2021	<0.25	**110**	<0.35	<0.20	<0.20	<0.2	<0.50	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.3	<0.5	**6.6**	**18**	ND
	9/22/2021	<250	<110	<350	<0.20	<0.20	<0.2	<0.50	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.3	<0.5	<5.0	**14**	ND
	12/8/2021	<250	<110	<350	<0.20	<0.20	<0.2	<0.50	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.3	<0.5	**5.5**	**14**	ND
	5/16/2022	<150	<110	<350	<0.20	<0.20	<0.2	<0.50	<0.5	<0.30	<0.01	<0.20	<1.0	<1.0	<0.5	<0.5	<5.0	**9**	ND
	6/16/2022	<250	<100	<250	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.029	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
	11/14/2022	<50	**110**	<280	<0.20	<0.20	<0.20	<0.50	<0.50	<0.30	<0.010	<0.20	<1.0	<1.0	<0.50	<0.50	<5.0	<2.0	ND
MTCA Cleanup Standards		**800**	**500**	**500**	**5**	**1,000**	**700**	**1,000**		**20**	**0.01**	**NA**	**160**	**NA**	**NA**	**NA**	**5**	**15**	**NA**

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	NWTPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Arsenic (ug/L)	Total Lead (ug/L)	Other VOCs (ug/L)

Notes:

EB	Ethylbenzene
EPA	U.S. Environmental Protection Agency
mg/L	milligrams per liter (parts per million)
ug/L	micrograms per liter (parts per billion)
NWTPH-Gx	Northwest Total Petroleum Hydrocarbons - Gasoline Range
MTBE	Methyl-tert-butyl Ether
EDB	Ethylene Dibromide
Naph	Naphthalene
Isoprop	Isopropylbenzene
TMB	Trimethylbenzene
BOLD	Concentration exceeds laboratory reporting limit or method detection limit
RED	Concentration exceeds applicable MTCA Cleanup Standard
NA	MTCA cleanup standard not available
ND	Not Detected above reporting limit
MTCA	Model Toxics Control Act
*	Anomalous and likley due to oil range hydrocaerbons pulled down into water temporarily by disposable bailer

APPENDICES

APPENDIX A

GROUNDWATER SAMPLE DATA SHEETS

Blaes ENVIRONMENTAL
BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-1

Site ID: CIRCLE K 6042
Project No.: 202-6042-10
Recorded By: D. BLAES

Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other:
Well Material: ☒ PVC ☐ St. Steel ☐ Other:

WELL PURGING

Purge Volume

Purge Date: 11/14/22

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other:
Total Depth of Casing (TD in feet BTOC):
Water Level Depth (WL in feet BTOC): 11.06
Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Method

☐ Bailer - Type:
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other:
Depth in feet (BTOC):
Screen Interval in Feet (BTOC): from to

Pump Time

Start: Stop: Time Elapsed:

Purge Rate

Initial ml/min
Final ml/min

Actual Purge Volume

gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	~~Depth to water~~ SWL	Notes
INSITU	14.57	225	180	36.7	3.64	10.16	-5.9	0.147	0.11	
2:10	14.72	228	183	36.7	3.65	9.04	-1.0	0.148	0.11	
2:15	15.20	224	182	26.8	2.67	9.10	-6.4	0.145	0.11	
2:20	15.07	224	180	32.6	3.27	8.82	-5.9	0.145	0.11	
2:24	15.01	222	180	31.8	3.22	8.80	-6.0	0.145	0.11	

Purge Water Storage/Disposal: ☐ Drum(s), Number: ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor,

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 11/14/22 Sampling Time: 2:24 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC):

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes:

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-2

Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel ☐ Other: _____

Site ID: CIRCLE K 6042

Project No.: 202-6042-10

Recorded By: D. BLAES

WELL PURGING

Purge Volume

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____

Water Level Depth (WL in feet BTOC): 10.57'

Number of Well Volumes (# Vols) to be Purged:

☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Date: 11/14/22

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____

Depth in feet (BTOC): _____

Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min

Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	~~Depth~~ to water	Notes
INSITU	14.37	224	179	45.2	4.56	10.20	26.5	0.146	0.4	
1:08	13.99	233	183	54.6	5.48	9.46	9.3	0.145	0.11	
1:13	14.49	219	175	38.0	3.84	9.17	11.9	0.141	0.10	
1:18	14.43	216	173	32.8	3.34	9.11	8.1	0.142	0.10	
1:23	14.67	219	176	29.0	2.94	8.84	6.5	0.141	0.10	
1:27	14.64	218	175	28.7	2.92	8.89	6.4	0.141	0.10	
1:31	14.62	217	174	28.5	2.89	8.78	6.4	0.141	0.10	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES **Sampling date:** 11/14/22 **Sampling Time:** 1:31 pm

Water Level Before Sampling (in feet BTOC): _____

Sampling Distribution

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-3

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel
☐ Other: _____

Site ID: CIRCLE K 6042
Project No.: 202-6042-10
Recorded By: D. BLAES

WELL PURGING

Purge Date: 11/14/22

Purge Volume

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____
Water Level Depth (WL in feet BTOC): 11.69
Number of Well Volumes (# Vols) to be Purged:

☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☐ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____
Depth in feet (BTOC): _____
Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min
Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water SWL	Notes
INSITU	15.68	348	286	26.0	2.50	9.57	-127	0.227	0.17	
4:33	14.97	370	299	35.0	3.32	9.20	-126	0.233	0.17	
4:37	15.96	354	294	14.9	1.42	9.09	-100	0.232	0.17	
4:41	16.43	347	290	8.1	0.78	9.05	-107	0.225	0.16	
4:45	16.50	279	233	19.2	1.87	8.73	-59	0.181	0.15	
4:49	16.46	277	232	18.9	1.85	8.72	-58	0.180	0.13	
4:53	16.38	276	231	18.5	1.81	8.70	-57	0.179	0.13	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 11/14/22 Sampling Time: 4:53 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

Blaes ENVIRONMENTAL
BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-4

Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel ☐ Other: _____

Site ID: CIRCLE K 6042

Project No.: 202-6042-10

Recorded By: D. BLAES

WELL PURGING

Purge Volume

Purge Date: 11/14/22

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____

Water Level Depth (WL in feet BTOC): 12.01

Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____

Depth in feet (BTOC): _____

Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min

Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	SM Depth to water	Notes
INSITU	15.61	259	213	57.8	4.98	9.31	-7.0	0.169	0.12	
3:14	15.00	265	214	57.1	5.58	8.98	47.0	0.176	0.13	
3:18	15.18	271	220	48.5	4.85	8.99	71.8	0.175	0.13	
3:22	15.71	250	206	43.5	4.31	8.87	43.4	0.162	0.12	
3:26	15.97	233	193	41.0	4.04	8.68	-7.8	0.151	0.11	
3:30	15.96	232	192	40.8	4.03	8.65	-8.3	0.150	0.11	
3:33	15.95	231	191	40.7	4.03	8.63	-8.6	0.150	0.11	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES

Sampling date: 11/14/22

Sampling Time: 3:33 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-6

Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel ☐ Other: _____

Site ID: CIRCLE K 6042

Project No.: 202-6042-10

Recorded By: D. BLAES

WELL PURGING

Purge Volume

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____

Water Level Depth (WL in feet BTOC): 10.94

Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Date: 11/14/22

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____

Depth in feet (BTOC): _____

Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min

Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	~~Depth~~ to water	Notes
INSITU	12.50	253	193	39.7	4.16	9.81	-3.8	0.165	0.12	
4:11	12.40	256	194	57.0	5.13	9.53	0.50	0.163	0.12	
4:14	12.83	250	192	36.9	3.83	9.45	-3.2	0.162	0.12	
4:18	13.07	250	193	23.9	2.57	9.32	-6.9	0.162	0.12	
4:22	13.15	250	194	22.5	2.36	9.18	-7.2	0.163	0.12	
4:26	13.16	250	194	22.4	2.35	9.17	-7.2	0.163	0.12	
4:30pm	13.17	250	194	22.2	2.30	9.15	-7.4	0.163	0.12	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES **Sampling date:** 11/14/22 **Sampling Time:** 4:30 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-7

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel
☐ Other: _____

Site ID: CIRCLE K 6042
Project No.: 202-6042-16
Recorded By: D. BLAES

WELL PURGING

Purge Date: 11/14/22

Purge Volume

Casing Diameter (D) in inches:
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____
Water Level Depth (WL in feet BTOC): 11.48'
Number of Well Volumes (# Vols) to be Purged:

☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____

Depth in feet (BTOC): _____
Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min
Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	S/L ~~Depth~~ to water	Notes
INSITU	12.98	249	192	31.6	3.31	9.14	-7.7	0.161	0.12	
3:41	12.99	253	195	41.1	4.27	9.29	-1.0	0.163	0.12	
3:44	13.11	250	193	32.9	3.43	9.21	-4.1	0.162	0.12	
3:47	13.27	249	193	33.1	3.44	9.11	-11.6	0.162	0.12	
3:51	13.28	249	193	32.6	3.37	9.03	-10.7	0.162	0.12	
3:55	13.29	249	193	31.9	3.34	8.99	-10.4	0.162	0.12	
3:59	13.27	249	193	30.3	3.16	8.97	-10.4	0.162	0.12	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 11/14/22 Sampling Time: 3:59 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-8
Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other:
Well Material: ☒ PVC ☐ St. Steel ☐ Other:

Site ID: CIRCLE K 6042
Project No.: 202-6042-10
Recorded By: D. BLAES

WELL PURGING

Purge Date: 11/14/22

Purge Volume
Casing Diameter (D) in inches: ☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other:
Total Depth of Casing (TD in feet BTOC):
Water Level Depth (WL in feet BTOC): 10.86
Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Method
☐ Bailer - Type:
☐ Submersible ☐ Submersible Whale
☒ Other: low flow

Pump Intake Setting
☐ Near Bottom ☒ Near Top ☐ Other:
Depth in feet (BTOC):
Screen Interval in Feet (BTOC): from to

Pump Time
Start: Stop: Time Elapsed:

Purge Rate
Initial ml/min
Final ml/min

Actual Purge Volume
gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	3% of reading Cond. 1 (umhos/cm)	3% of reading Cond. 2 (umhos/cm)	+/- 10% DO%	0.2 mg/L DO (mg/L)	+/- 10% pH	+/- 10% ORP (mV)	+/- 10% or +/- 1.0 NTU Turbidity	S/A Depth to water	Notes
INSITU	12.86	254	192	44.4	4.55	8.90	-7.0	0.162	0.12	
2:43	13.06	252	194	47.0	4.78	8.94	-2.8	0.163	0.12	
2:46	13.24	250	194	33.3	3.46	8.89	-5.8	0.162	0.12	
2:49	14.12	238	189	31.4	3.21	8.69	-9.4	0.155	0.11	
2:52	14.17	237	188	31.2	3.20	8.57	-9.4	0.155	0.12	
2:56	14.24	237	189	31.6	3.24	8.56	-9.8	0.154	0.11	
3:00	14.25	236	189	31.8	3.25	8.55	-9.9	0.154	0.11	

Purge Water Storage/Disposal: ☐ Drum(s), Number: ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor,

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 11/14/22 Sampling Time: 3:00 pm

Sampling Distribution
Water Level Before Sampling (in feet BTOC):

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes:

Blaes ENVIRONMENTAL
BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-9

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel
☐ Other: _____

Site ID: CIRCLE K 6042
Project No.: 202-6042-10
Recorded By: D. BLAES

WELL PURGING

Purge Volume

Casing Diameter (D) in inches:
☐ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____
Water Level Depth (WL in feet BTOC): 10.77
Number of Well Volumes (# Vols) to be Purged:

☐ 3 ☐ 4 ☐ 5 ■ Other: Low-flow

Purge Date: _____

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☒ Submersible Whale
☒ Other: low flow

Pump Intake Setting

☐ Near Bottom ☒ Near Top ☐ Other: _____

Depth in feet (BTOC): _____
Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min
Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water SA	Notes
INSITU	14.75	323	260	50.9	5.15	9.84	-8.6	0.210	0.16	
12:27	14.76	324	261	50.2	5.08	9.28	3.0	0.210	0.16	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, PUMPED DRY AFTER ABOUT 0.25 GALLONS - HAD TO USE BAILER TO SAMPLE ON RECHARGE

WELL SAMPLING

Sampled By: D. BLAES **Sampling date:** 11/14/22 **Sampling Time:** 12:27

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: DAN BLAES	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-51030-16329.1
Client Contact: Dan Blaes	Phone: 602-728-0707	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Blaes Environmental Inc.	PWSID:			Job #:
Address: 45 E Monterey Way Suite 200	Due Date Requested: NORMAL TAT			
City: Phoenix	TAT Requested (days): NORMAL			
State, Zip: AZ, 85012	Compliance Project: Δ Yes Δ No			
Phone: 602-549-0925(Tel)	PO #: Purchase Order not required			
Email: dblaes@blaesenvironmental.com	WO #: 202-6042-10			
Project Name: Eastern Washington Project CIRCLE K 6042	Project #: 58005982			
Site: CIRCLE K # 6042 WATCHES, WA	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - (MOD) Arsenic/Lead LAB TO FILTER	8011 - (MOD) EDB in Water	8260D_LL, NWTPH_Gx	NWTPH_Dx - Dx LVI	VOC's 8260 FULL LIST	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	A	A			
MW-1	11/14/22	2:24pm	G	Water			X	X	X	X	X		LAB TO FILTER FOR ARSENIC AND LEAD
MW-2		1:31		Water			X	X	X	X	X		
MW-3		4:53		Water			X	X	X	X	X		
MW-4		3:33		Water			X	X	X	X	X		
MW-6		4:30		Water			X	X	X	X	X		
MW-7		3:59		Water			X	X	X	X	X		
MW-8		3:00		Water			X	X	X	X	X		
MW-9		12:27		Water			X	X	X	X	X		
				Water									
				Water									

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
DM Blaes	11/15/22 6:58	BLAES		11/15/22 0858	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

APPENDIX B

GROUNDWATER LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Blaes
Blaes Environmental Inc.
45 E Monterey Way
Suite 200
Phoenix, Arizona 85012

Generated 12/8/2022 4:55:51 PM

JOB DESCRIPTION

Circle K 6042 Naches, WA

JOB NUMBER

580-120032-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

Authorization

Generated
12/8/2022 4:55:51 PM

Authorized for release by
Katie Grant, Project Manager I
Katie.Grant@et.eurofinsus.com
(253)922-2310

Table of Contents

Job ID: 580-120032-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: Blaes Environmental Inc.
Project: Circle K 6042 Naches, WA
Report Number: 580-120032-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 11/15/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.9 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7), MW-9 (580-120032-8) and Trip Blank (580-120032-9) were analyzed for volatile organic compounds (GC-MS) in accordance with 8260D. The samples were analyzed on 11/15/2022 and 11/21/2022.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-3 (580-120032-3). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) associated with batch 580-410044 recovered above the upper control limit for Chloroethane, Vinyl chloride, 4-Isopropyltoluene, Dichlorodifluoromethane, Chloromethane, 1,1-Dichloroethane, Isopropylbenzene, Trichlorofluoromethane and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7), MW-9 (580-120032-8) and (CCVIS 580-410044/3).

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-410044 recovered outside control limits for the following analytes: Chloroethane, Chloromethane, Dichlorodifluoromethane, 1,1-Dichloroethane, Bromomethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 580-410595 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Job ID: 580-120032-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

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

GASOLINE RANGE ORGANICS (GRO)

Samples MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7) and MW-9 (580-120032-8) were analyzed for gasoline range organics (GRO) in accordance with NWTPH-Gx MS. The samples were analyzed on 11/28/2022 and 12/07/2022.

Reanalysis of the following samples was performed outside of the analytical holding time due to high bias combined with sample detection on initial in hold run. Both sets of data are being reported : MW-3 (580-120032-3).

The following sample is being reported with QC failures: Gasoline failed high in the CCVIS and LCS/LCSD, combined with a detection in the sample. Re-analysis was beyond analytical holding time, therefore both sets of data are being reported. MW-3 (580-120032-3), (CCVIS 580-411116/3), (LCS 580-411116/5) and (LCSD 580-411116/6)

The continuing calibration verification (CCV) associated with batch 580-411116 recovered above the upper control limit for Gasoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (580-120032-1), MW-2 (580-120032-2), (CCV 580-411116/14), (CCV 580-411116/19) and (CCVIS 580-411116/3).

Method NWTPH_Gx_MS: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-411116 recovered outside control limits for the following analytes: Gasoline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY

Samples MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7) and MW-9 (580-120032-8) were analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The samples were prepared on 11/18/2022 and analyzed on 11/22/2022.

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

DIESEL AND MOTOR OIL RANGE ORGANICS

Samples MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7) and MW-9 (580-120032-8) were analyzed for diesel and motor oil range organics in accordance with Method NWTPH-Dx. The samples were prepared on 11/16/2022 and analyzed on 11/17/2022.

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

DISSOLVED METALS (ICPMS)

Samples MW-1 (580-120032-1), MW-2 (580-120032-2), MW-3 (580-120032-3), MW-4 (580-120032-4), MW-6 (580-120032-5), MW-7 (580-120032-6), MW-8 (580-120032-7) and MW-9 (580-120032-8) were analyzed for dissolved metals (ICPMS) in accordance with 6020B. The samples were prepared on 11/17/2022 and analyzed on 11/25/2022.

Samples MW-1 (580-120032-1)[5X], MW-2 (580-120032-2)[5X], MW-3 (580-120032-3)[5X], MW-4 (580-120032-4)[5X], MW-6 (580-120032-5)[5X], MW-7 (580-120032-6)[5X], MW-8 (580-120032-7)[5X] and MW-9 (580-120032-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Definitions/Glossary

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

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

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-1
Date Collected: 11/14/22 14:24
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 17:37	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 17:37	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 17:37	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 17:37	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 17:37	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 17:37	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 17:37	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 17:37	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 17:37	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 17:37	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 17:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 17:37	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 17:37	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 17:37	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 17:37	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 17:37	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 17:37	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 17:37	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 17:37	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 17:37	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 17:37	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 17:37	1
Benzene	ND		0.20		ug/L			11/15/22 17:37	1
Bromobenzene	ND		0.20		ug/L			11/15/22 17:37	1
Bromoform	ND		0.50		ug/L			11/15/22 17:37	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 17:37	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 17:37	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 17:37	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 17:37	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 17:37	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 17:37	1
Chloroform	ND		0.20		ug/L			11/15/22 17:37	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 17:37	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 17:37	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 17:37	1
Dibromomethane	ND		0.20		ug/L			11/15/22 17:37	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 17:37	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 17:37	1
EDC	ND		0.20		ug/L			11/15/22 17:37	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 17:37	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 17:37	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 17:37	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 17:37	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 17:37	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 17:37	1
Naphthalene	ND		1.0		ug/L			11/15/22 17:37	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 17:37	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 17:37	1
o-Xylene	ND		0.50		ug/L			11/15/22 17:37	1

Client Sample ID: MW-1
Date Collected: 11/14/22 14:24
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 17:37	1
Styrene	ND		1.0		ug/L			11/15/22 17:37	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 17:37	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 17:37	1
Toluene	ND		0.20		ug/L			11/15/22 17:37	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 17:37	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 17:37	1
Trichloroethene	ND		0.20		ug/L			11/15/22 17:37	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 17:37	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*11/15/22 17:37*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/15/22 17:37*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*11/15/22 17:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/15/22 17:37*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	*+	50		ug/L			11/28/22 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*77 - 123*		*11/28/22 21:14*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:15	11/22/22 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*128*		*60 - 140*	*11/18/22 16:15*	*11/22/22 23:20*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**510**		86		ug/L		11/16/22 10:08	11/17/22 15:35	1
Motor Oil (>C24-C36)	**390**		270		ug/L		11/16/22 10:08	11/17/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*11/16/22 10:08*	*11/17/22 15:35*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 07:00	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 07:00	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-2
Date Collected: 11/14/22 13:31
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 18:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 18:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 18:02	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 18:02	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 18:02	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 18:02	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 18:02	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:02	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 18:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 18:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:02	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 18:02	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 18:02	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:02	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 18:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:02	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 18:02	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 18:02	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 18:02	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 18:02	1
Benzene	ND		0.20		ug/L			11/15/22 18:02	1
Bromobenzene	ND		0.20		ug/L			11/15/22 18:02	1
Bromoform	ND		0.50		ug/L			11/15/22 18:02	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 18:02	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 18:02	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 18:02	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 18:02	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 18:02	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 18:02	1
Chloroform	ND		0.20		ug/L			11/15/22 18:02	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 18:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:02	1
Dibromomethane	ND		0.20		ug/L			11/15/22 18:02	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 18:02	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 18:02	1
EDC	ND		0.20		ug/L			11/15/22 18:02	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 18:02	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 18:02	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 18:02	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 18:02	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 18:02	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 18:02	1
Naphthalene	ND		1.0		ug/L			11/15/22 18:02	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 18:02	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 18:02	1
o-Xylene	ND		0.50		ug/L			11/15/22 18:02	1

Client Sample ID: MW-2

Date Collected: 11/14/22 13:31
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 18:02	1
Styrene	ND		1.0		ug/L			11/15/22 18:02	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 18:02	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 18:02	1
Toluene	ND		0.20		ug/L			11/15/22 18:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:02	1
Trichloroethene	ND		0.20		ug/L			11/15/22 18:02	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 18:02	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*80 - 120*		*11/15/22 18:02*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/15/22 18:02*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*11/15/22 18:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/15/22 18:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	*+	50		ug/L			11/28/22 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*77 - 123*		*11/28/22 21:39*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:15	11/22/22 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*124*		*60 - 140*	*11/18/22 16:15*	*11/22/22 23:35*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		88		ug/L		11/16/22 10:08	11/17/22 02:25	1
Motor Oil (>C24-C36)	ND		280		ug/L		11/16/22 10:08	11/17/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*50 - 150*	*11/16/22 10:08*	*11/17/22 02:25*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 08:00	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 08:00	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-3
Date Collected: 11/14/22 16:53
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 18:27	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 18:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 18:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 18:27	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 18:27	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 18:27	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 18:27	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 18:27	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:27	1
1,2,4-Trimethylbenzene	**6.4**		0.50		ug/L			11/15/22 18:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 18:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:27	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 18:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 18:27	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:27	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 18:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:27	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 18:27	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 18:27	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 18:27	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 18:27	1
Benzene	**0.35**		0.20		ug/L			11/15/22 18:27	1
Bromobenzene	ND		0.20		ug/L			11/15/22 18:27	1
Bromoform	ND		0.50		ug/L			11/15/22 18:27	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 18:27	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 18:27	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 18:27	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 18:27	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 18:27	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 18:27	1
Chloroform	ND		0.20		ug/L			11/15/22 18:27	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 18:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:27	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:27	1
Dibromomethane	ND		0.20		ug/L			11/15/22 18:27	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 18:27	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 18:27	1
EDC	ND		0.20		ug/L			11/15/22 18:27	1
Ethylbenzene	**10**		0.20		ug/L			11/15/22 18:27	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 18:27	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 18:27	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 18:27	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 18:27	1
Naphthalene	**5.3**		1.0		ug/L			11/15/22 18:27	1
n-Butylbenzene	**21**		1.0		ug/L			11/15/22 18:27	1
o-Xylene	ND		0.50		ug/L			11/15/22 18:27	1
sec-Butylbenzene	**12**		1.0		ug/L			11/15/22 18:27	1
Styrene	ND		1.0		ug/L			11/15/22 18:27	1

Client Sample ID: MW-3

Date Collected: 11/14/22 16:53
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 18:27	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 18:27	1
Toluene	ND		0.20		ug/L			11/15/22 18:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:27	1
Trichloroethene	ND		0.20		ug/L			11/15/22 18:27	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 18:27	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*11/15/22 18:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*11/15/22 18:27*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*11/15/22 18:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/15/22 18:27*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	**12**		5.0		ug/L			11/21/22 04:42	5
N-Propylbenzene	**42**		1.5		ug/L			11/21/22 04:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*11/21/22 04:42*	*5*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*11/21/22 04:42*	*5*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*11/21/22 04:42*	*5*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/21/22 04:42*	*5*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1700**	***+**	50		ug/L			11/28/22 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*11/28/22 22:03*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**670**	**H**	50		ug/L			12/07/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*12/07/22 19:11*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:15	11/22/22 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*119*		*60 - 140*	*11/18/22 16:15*	*11/22/22 22:50*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**300**		87		ug/L		11/16/22 10:08	11/17/22 02:44	1
Motor Oil (>C24-C36)	ND		280		ug/L		11/16/22 10:08	11/17/22 02:44	1

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-3
Date Collected: 11/14/22 16:53
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*50 - 150*	*11/16/22 10:08*	*11/17/22 02:44*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 08:02	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 08:02	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-4
Date Collected: 11/14/22 15:33
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 18:51	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 18:51	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 18:51	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 18:51	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 18:51	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 18:51	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 18:51	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:51	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 18:51	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 18:51	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 18:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 18:51	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:51	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 18:51	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 18:51	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:51	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 18:51	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 18:51	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 18:51	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 18:51	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 18:51	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 18:51	1
Benzene	ND		0.20		ug/L			11/15/22 18:51	1
Bromobenzene	ND		0.20		ug/L			11/15/22 18:51	1
Bromoform	ND		0.50		ug/L			11/15/22 18:51	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 18:51	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 18:51	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 18:51	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 18:51	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 18:51	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 18:51	1
Chloroform	ND		0.20		ug/L			11/15/22 18:51	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 18:51	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:51	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:51	1
Dibromomethane	ND		0.20		ug/L			11/15/22 18:51	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 18:51	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 18:51	1
EDC	ND		0.20		ug/L			11/15/22 18:51	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 18:51	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 18:51	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 18:51	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 18:51	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 18:51	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 18:51	1
Naphthalene	ND		1.0		ug/L			11/15/22 18:51	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 18:51	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 18:51	1
o-Xylene	ND		0.50		ug/L			11/15/22 18:51	1

Client Sample ID: MW-4
Date Collected: 11/14/22 15:33
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 18:51	1
Styrene	ND		1.0		ug/L			11/15/22 18:51	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 18:51	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 18:51	1
Toluene	ND		0.20		ug/L			11/15/22 18:51	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 18:51	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 18:51	1
Trichloroethene	ND		0.20		ug/L			11/15/22 18:51	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 18:51	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*11/15/22 18:51*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*11/15/22 18:51*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*11/15/22 18:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/15/22 18:51*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*11/28/22 15:39*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*115*		*60 - 140*	*11/18/22 16:14*	*11/22/22 20:02*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		87		ug/L		11/16/22 10:08	11/17/22 03:02	1
Motor Oil (>C24-C36)	ND		280		ug/L		11/16/22 10:08	11/17/22 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*11/16/22 10:08*	*11/17/22 03:02*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 08:04	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 08:04	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-6
Date Collected: 11/14/22 16:30
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 19:16	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 19:16	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 19:16	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 19:16	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 19:16	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 19:16	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 19:16	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 19:16	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 19:16	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 19:16	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 19:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 19:16	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:16	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 19:16	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 19:16	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:16	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 19:16	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:16	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 19:16	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 19:16	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 19:16	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 19:16	1
Benzene	ND		0.20		ug/L			11/15/22 19:16	1
Bromobenzene	ND		0.20		ug/L			11/15/22 19:16	1
Bromoform	ND		0.50		ug/L			11/15/22 19:16	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 19:16	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 19:16	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 19:16	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 19:16	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 19:16	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 19:16	1
Chloroform	ND		0.20		ug/L			11/15/22 19:16	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 19:16	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 19:16	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 19:16	1
Dibromomethane	ND		0.20		ug/L			11/15/22 19:16	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 19:16	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 19:16	1
EDC	ND		0.20		ug/L			11/15/22 19:16	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 19:16	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 19:16	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 19:16	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 19:16	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 19:16	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 19:16	1
Naphthalene	ND		1.0		ug/L			11/15/22 19:16	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 19:16	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 19:16	1
o-Xylene	ND		0.50		ug/L			11/15/22 19:16	1

Client Sample ID: MW-6
Date Collected: 11/14/22 16:30
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 19:16	1
Styrene	ND		1.0		ug/L			11/15/22 19:16	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 19:16	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 19:16	1
Toluene	ND		0.20		ug/L			11/15/22 19:16	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 19:16	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 19:16	1
Trichloroethene	ND		0.20		ug/L			11/15/22 19:16	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 19:16	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*11/15/22 19:16*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/15/22 19:16*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*11/15/22 19:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/15/22 19:16*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*77 - 123*		*11/28/22 16:02*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*113*		*60 - 140*	*11/18/22 16:14*	*11/22/22 19:31*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		85		ug/L		11/16/22 10:08	11/17/22 03:21	1
Motor Oil (>C24-C36)	ND		270		ug/L		11/16/22 10:08	11/17/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*11/16/22 10:08*	*11/17/22 03:21*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 08:07	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 08:07	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-7
Date Collected: 11/14/22 15:59
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 19:41	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 19:41	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 19:41	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 19:41	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 19:41	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 19:41	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 19:41	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 19:41	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 19:41	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 19:41	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 19:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 19:41	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:41	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 19:41	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 19:41	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:41	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 19:41	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 19:41	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 19:41	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 19:41	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 19:41	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 19:41	1
Benzene	ND		0.20		ug/L			11/15/22 19:41	1
Bromobenzene	ND		0.20		ug/L			11/15/22 19:41	1
Bromoform	ND		0.50		ug/L			11/15/22 19:41	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 19:41	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 19:41	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 19:41	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 19:41	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 19:41	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 19:41	1
Chloroform	ND		0.20		ug/L			11/15/22 19:41	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 19:41	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 19:41	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 19:41	1
Dibromomethane	ND		0.20		ug/L			11/15/22 19:41	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 19:41	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 19:41	1
EDC	ND		0.20		ug/L			11/15/22 19:41	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 19:41	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 19:41	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 19:41	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 19:41	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 19:41	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 19:41	1
Naphthalene	ND		1.0		ug/L			11/15/22 19:41	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 19:41	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 19:41	1
o-Xylene	ND		0.50		ug/L			11/15/22 19:41	1

Client Sample ID: MW-7
Date Collected: 11/14/22 15:59
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 19:41	1
Styrene	ND		1.0		ug/L			11/15/22 19:41	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 19:41	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 19:41	1
Toluene	ND		0.20		ug/L			11/15/22 19:41	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 19:41	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 19:41	1
Trichloroethene	ND		0.20		ug/L			11/15/22 19:41	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 19:41	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*11/15/22 19:41*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/15/22 19:41*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*11/15/22 19:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/15/22 19:41*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*77 - 123*		*11/28/22 16:26*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*121*		*60 - 140*	*11/18/22 16:14*	*11/22/22 22:35*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		85		ug/L		11/16/22 10:08	11/17/22 03:39	1
Motor Oil (>C24-C36)	ND		270		ug/L		11/16/22 10:08	11/17/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*11/16/22 10:08*	*11/17/22 03:39*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 08:09	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 08:09	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-8
Date Collected: 11/14/22 15:00
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 20:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 20:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 20:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 20:06	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 20:06	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 20:06	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 20:06	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 20:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 20:06	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 20:06	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 20:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 20:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:06	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 20:06	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 20:06	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:06	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 20:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:06	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 20:06	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 20:06	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 20:06	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 20:06	1
Benzene	ND		0.20		ug/L			11/15/22 20:06	1
Bromobenzene	ND		0.20		ug/L			11/15/22 20:06	1
Bromoform	ND		0.50		ug/L			11/15/22 20:06	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 20:06	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 20:06	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 20:06	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 20:06	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 20:06	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 20:06	1
Chloroform	ND		0.20		ug/L			11/15/22 20:06	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 20:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 20:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 20:06	1
Dibromomethane	ND		0.20		ug/L			11/15/22 20:06	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 20:06	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 20:06	1
EDC	ND		0.20		ug/L			11/15/22 20:06	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 20:06	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 20:06	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 20:06	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 20:06	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 20:06	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 20:06	1
Naphthalene	ND		1.0		ug/L			11/15/22 20:06	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 20:06	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 20:06	1
o-Xylene	ND		0.50		ug/L			11/15/22 20:06	1

Client Sample ID: MW-8
Date Collected: 11/14/22 15:00
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 20:06	1
Styrene	ND		1.0		ug/L			11/15/22 20:06	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 20:06	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 20:06	1
Toluene	ND		0.20		ug/L			11/15/22 20:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 20:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 20:06	1
Trichloroethene	ND		0.20		ug/L			11/15/22 20:06	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 20:06	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 120*		*11/15/22 20:06*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*11/15/22 20:06*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*11/15/22 20:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/15/22 20:06*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*11/28/22 16:49*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*122*		*60 - 140*	*11/18/22 16:14*	*11/22/22 22:19*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		86		ug/L		11/16/22 10:08	11/17/22 03:58	1
Motor Oil (>C24-C36)	ND		270		ug/L		11/16/22 10:08	11/17/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*11/16/22 10:08*	*11/17/22 03:58*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 06:58	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 06:58	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-9
Date Collected: 11/14/22 12:27
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 20:30	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 20:30	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 20:30	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 20:30	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 20:30	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			11/15/22 20:30	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 20:30	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 20:30	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 20:30	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 20:30	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 20:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 20:30	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:30	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 20:30	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 20:30	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:30	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 20:30	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 20:30	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 20:30	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 20:30	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 20:30	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 20:30	1
Benzene	ND		0.20		ug/L			11/15/22 20:30	1
Bromobenzene	ND		0.20		ug/L			11/15/22 20:30	1
Bromoform	ND		0.50		ug/L			11/15/22 20:30	1
Bromomethane	ND	*+	0.50		ug/L			11/15/22 20:30	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 20:30	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 20:30	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 20:30	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 20:30	1
Chloroethane	ND	*+	0.50		ug/L			11/15/22 20:30	1
Chloroform	ND		0.20		ug/L			11/15/22 20:30	1
Chloromethane	ND	*+	0.50		ug/L			11/15/22 20:30	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 20:30	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 20:30	1
Dibromomethane	ND		0.20		ug/L			11/15/22 20:30	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 20:30	1
Dichlorodifluoromethane	ND	*+	0.40		ug/L			11/15/22 20:30	1
EDC	ND		0.20		ug/L			11/15/22 20:30	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 20:30	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 20:30	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 20:30	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 20:30	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 20:30	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 20:30	1
Naphthalene	ND		1.0		ug/L			11/15/22 20:30	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 20:30	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 20:30	1
o-Xylene	ND		0.50		ug/L			11/15/22 20:30	1

Client Sample ID: MW-9
Date Collected: 11/14/22 12:27
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 20:30	1
Styrene	ND		1.0		ug/L			11/15/22 20:30	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 20:30	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 20:30	1
Toluene	ND		0.20		ug/L			11/15/22 20:30	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 20:30	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 20:30	1
Trichloroethene	ND		0.20		ug/L			11/15/22 20:30	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/15/22 20:30	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*80 - 120*		*11/15/22 20:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/15/22 20:30*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*11/15/22 20:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/15/22 20:30*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*11/28/22 17:13*	*1*

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*126*		*60 - 140*	*11/18/22 16:14*	*11/22/22 20:17*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**110**		87		ug/L		11/16/22 10:08	11/17/22 04:16	1
Motor Oil (>C24-C36)	ND		280		ug/L		11/16/22 10:08	11/17/22 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*11/16/22 10:08*	*11/17/22 04:16*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		11/17/22 19:17	11/25/22 07:52	5
Lead	ND		0.0020		mg/L		11/17/22 19:17	11/25/22 07:52	5

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: Trip Blank

Date Collected: 11/14/22 00:01
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/21/22 03:53	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/21/22 03:53	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/21/22 03:53	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/21/22 03:53	1
1,1-Dichloroethane	ND		0.20		ug/L			11/21/22 03:53	1
1,1-Dichloroethene	ND		0.20		ug/L			11/21/22 03:53	1
1,1-Dichloropropene	ND		0.20		ug/L			11/21/22 03:53	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/21/22 03:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/21/22 03:53	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/21/22 03:53	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/21/22 03:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/21/22 03:53	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:53	1
1,2-Dichloropropane	ND		0.20		ug/L			11/21/22 03:53	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/21/22 03:53	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:53	1
1,3-Dichloropropane	ND		0.20		ug/L			11/21/22 03:53	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:53	1
2,2-Dichloropropane	ND		0.50		ug/L			11/21/22 03:53	1
2-Chlorotoluene	ND		0.50		ug/L			11/21/22 03:53	1
4-Chlorotoluene	ND		0.30		ug/L			11/21/22 03:53	1
4-Isopropyltoluene	ND		0.50		ug/L			11/21/22 03:53	1
Benzene	ND		0.20		ug/L			11/21/22 03:53	1
Bromobenzene	ND		0.20		ug/L			11/21/22 03:53	1
Bromoform	ND		0.50		ug/L			11/21/22 03:53	1
Bromomethane	ND		0.50		ug/L			11/21/22 03:53	1
Carbon tetrachloride	ND		0.20		ug/L			11/21/22 03:53	1
Chlorobenzene	ND		0.20		ug/L			11/21/22 03:53	1
Chlorobromomethane	ND		0.20		ug/L			11/21/22 03:53	1
Chlorodibromomethane	ND		0.20		ug/L			11/21/22 03:53	1
Chloroethane	ND		0.50		ug/L			11/21/22 03:53	1
Chloroform	ND		0.20		ug/L			11/21/22 03:53	1
Chloromethane	ND		0.50		ug/L			11/21/22 03:53	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/21/22 03:53	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/21/22 03:53	1
Dibromomethane	ND		0.20		ug/L			11/21/22 03:53	1
Dichlorobromomethane	ND		0.20		ug/L			11/21/22 03:53	1
Dichlorodifluoromethane	ND		0.40		ug/L			11/21/22 03:53	1
EDC	ND		0.20		ug/L			11/21/22 03:53	1
Ethylbenzene	ND		0.20		ug/L			11/21/22 03:53	1
Hexachlorobutadiene	ND		0.50		ug/L			11/21/22 03:53	1
Isopropylbenzene	ND		1.0		ug/L			11/21/22 03:53	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/21/22 03:53	1
Methylene Chloride	ND		5.0		ug/L			11/21/22 03:53	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/21/22 03:53	1
Naphthalene	ND		1.0		ug/L			11/21/22 03:53	1
n-Butylbenzene	ND		1.0		ug/L			11/21/22 03:53	1
N-Propylbenzene	ND		0.30		ug/L			11/21/22 03:53	1
o-Xylene	ND		0.50		ug/L			11/21/22 03:53	1

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: Trip Blank
Date Collected: 11/14/22 00:01
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/21/22 03:53	1
Styrene	ND		1.0		ug/L			11/21/22 03:53	1
tert-Butylbenzene	ND		0.50		ug/L			11/21/22 03:53	1
Tetrachloroethene	ND		0.50		ug/L			11/21/22 03:53	1
Toluene	ND		0.20		ug/L			11/21/22 03:53	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/21/22 03:53	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/21/22 03:53	1
Trichloroethene	ND		0.20		ug/L			11/21/22 03:53	1
Trichlorofluoromethane	ND		0.50		ug/L			11/21/22 03:53	1
Vinyl chloride	ND		0.020		ug/L			11/21/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*11/21/22 03:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/21/22 03:53*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*11/21/22 03:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/21/22 03:53*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-410044/7
Matrix: Water
Analysis Batch: 410044

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/15/22 15:35	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/15/22 15:35	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/15/22 15:35	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/15/22 15:35	1
1,1-Dichloroethane	ND		0.20		ug/L			11/15/22 15:35	1
1,1-Dichloroethene	ND		0.20		ug/L			11/15/22 15:35	1
1,1-Dichloropropene	ND		0.20		ug/L			11/15/22 15:35	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/15/22 15:35	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/15/22 15:35	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/15/22 15:35	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/15/22 15:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/15/22 15:35	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/15/22 15:35	1
1,2-Dichloropropane	ND		0.20		ug/L			11/15/22 15:35	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/15/22 15:35	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/15/22 15:35	1
1,3-Dichloropropane	ND		0.20		ug/L			11/15/22 15:35	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/15/22 15:35	1
2,2-Dichloropropane	ND		0.50		ug/L			11/15/22 15:35	1
2-Chlorotoluene	ND		0.50		ug/L			11/15/22 15:35	1
4-Chlorotoluene	ND		0.30		ug/L			11/15/22 15:35	1
4-Isopropyltoluene	ND		0.50		ug/L			11/15/22 15:35	1
Benzene	ND		0.20		ug/L			11/15/22 15:35	1
Bromobenzene	ND		0.20		ug/L			11/15/22 15:35	1
Bromoform	ND		0.50		ug/L			11/15/22 15:35	1
Bromomethane	ND		0.50		ug/L			11/15/22 15:35	1
Carbon tetrachloride	ND		0.20		ug/L			11/15/22 15:35	1
Chlorobenzene	ND		0.20		ug/L			11/15/22 15:35	1
Chlorobromomethane	ND		0.20		ug/L			11/15/22 15:35	1
Chlorodibromomethane	ND		0.20		ug/L			11/15/22 15:35	1
Chloroethane	ND		0.50		ug/L			11/15/22 15:35	1
Chloroform	ND		0.20		ug/L			11/15/22 15:35	1
Chloromethane	ND		0.50		ug/L			11/15/22 15:35	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 15:35	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 15:35	1
Dibromomethane	ND		0.20		ug/L			11/15/22 15:35	1
Dichlorobromomethane	ND		0.20		ug/L			11/15/22 15:35	1
Dichlorodifluoromethane	ND		0.40		ug/L			11/15/22 15:35	1
EDC	ND		0.20		ug/L			11/15/22 15:35	1
Ethylbenzene	ND		0.20		ug/L			11/15/22 15:35	1
Hexachlorobutadiene	ND		0.50		ug/L			11/15/22 15:35	1
Isopropylbenzene	ND		1.0		ug/L			11/15/22 15:35	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/15/22 15:35	1
Methylene Chloride	ND		5.0		ug/L			11/15/22 15:35	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/15/22 15:35	1
Naphthalene	ND		1.0		ug/L			11/15/22 15:35	1
n-Butylbenzene	ND		1.0		ug/L			11/15/22 15:35	1
N-Propylbenzene	ND		0.30		ug/L			11/15/22 15:35	1

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

Lab Sample ID: MB 580-410044/7
Matrix: Water
Analysis Batch: 410044

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50		ug/L			11/15/22 15:35	1
sec-Butylbenzene	ND		1.0		ug/L			11/15/22 15:35	1
Styrene	ND		1.0		ug/L			11/15/22 15:35	1
tert-Butylbenzene	ND		0.50		ug/L			11/15/22 15:35	1
Tetrachloroethene	ND		0.50		ug/L			11/15/22 15:35	1
Toluene	ND		0.20		ug/L			11/15/22 15:35	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/15/22 15:35	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/15/22 15:35	1
Trichloroethene	ND		0.20		ug/L			11/15/22 15:35	1
Trichlorofluoromethane	ND		0.50		ug/L			11/15/22 15:35	1
Vinyl chloride	ND		0.020		ug/L			11/15/22 15:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*11/15/22 15:35*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/15/22 15:35*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*11/15/22 15:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/15/22 15:35*	*1*

Lab Sample ID: LCS 580-410044/4
Matrix: Water
Analysis Batch: 410044

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.35		ug/L		107	69 - 127
1,1,1-Trichloroethane	5.00	5.20		ug/L		104	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.81		ug/L		116	67 - 136
1,1,2-Trichloroethane	5.00	5.32		ug/L		106	73 - 127
1,1-Dichloroethane	5.00	5.42		ug/L		108	74 - 120
1,1-Dichloroethene	5.00	6.57	*+	ug/L		131	60 - 129
1,1-Dichloropropene	5.00	5.27		ug/L		105	72 - 125
1,2,3-Trichlorobenzene	5.00	6.27		ug/L		125	60 - 136
1,2,3-Trichloropropane	5.00	5.63		ug/L		113	67 - 135
1,2,4-Trichlorobenzene	5.00	5.75		ug/L		115	60 - 130
1,2,4-Trimethylbenzene	5.00	5.99		ug/L		120	71 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.67		ug/L		93	55 - 135
1,2-Dichlorobenzene	5.00	5.70		ug/L		114	72 - 129
1,2-Dichloropropane	5.00	5.37		ug/L		107	69 - 130
1,3,5-Trimethylbenzene	5.00	5.83		ug/L		117	75 - 123
1,3-Dichlorobenzene	5.00	5.73		ug/L		115	72 - 125
1,3-Dichloropropane	5.00	5.43		ug/L		109	69 - 138
1,4-Dichlorobenzene	5.00	5.63		ug/L		113	71 - 129
2,2-Dichloropropane	5.00	4.95		ug/L		99	55 - 140
2-Chlorotoluene	5.00	5.38		ug/L		108	73 - 120
4-Chlorotoluene	5.00	5.47		ug/L		109	75 - 124
4-Isopropyltoluene	5.00	6.18		ug/L		124	78 - 125
Benzene	5.00	5.57		ug/L		111	80 - 120
Bromobenzene	5.00	5.18		ug/L		104	74 - 130
Bromoform	5.00	4.35		ug/L		87	48 - 127

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

Lab Sample ID: LCS 580-410044/4
Matrix: Water
Analysis Batch: 410044

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	5.00	7.49	*+	ug/L		150	51 - 148
Carbon tetrachloride	5.00	5.21		ug/L		104	66 - 130
Chlorobenzene	5.00	5.44		ug/L		109	74 - 123
Chlorobromomethane	5.00	5.26		ug/L		105	79 - 121
Chlorodibromomethane	5.00	4.83		ug/L		97	62 - 141
Chloroethane	5.00	7.60	*+	ug/L		152	54 - 140
Chloroform	5.00	5.49		ug/L		110	75 - 120
Chloromethane	5.00	8.12	*+	ug/L		162	32 - 150
cis-1,2-Dichloroethene	5.00	5.29		ug/L		106	72 - 120
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	77 - 131
Dibromomethane	5.00	5.18		ug/L		104	65 - 141
Dichlorobromomethane	5.00	5.29		ug/L		106	74 - 131
Dichlorodifluoromethane	5.00	8.63	*+	ug/L		173	20 - 150
EDC	5.00	5.40		ug/L		108	74 - 127
Ethylbenzene	5.00	5.75		ug/L		115	80 - 124
Hexachlorobutadiene	5.00	5.37		ug/L		107	63 - 130
Isopropylbenzene	5.00	5.88		ug/L		118	71 - 123
Methyl tert-butyl ether	5.00	4.58		ug/L		92	61 - 131
Methylene Chloride	5.00	5.56		ug/L		111	40 - 142
m-Xylene & p-Xylene	5.00	5.58		ug/L		112	75 - 124
Naphthalene	5.00	5.34		ug/L		107	54 - 137
n-Butylbenzene	5.00	5.59		ug/L		112	69 - 127
N-Propylbenzene	5.00	5.79		ug/L		116	72 - 126
o-Xylene	5.00	5.80		ug/L		116	71 - 124
sec-Butylbenzene	5.00	6.05		ug/L		121	75 - 126
Styrene	5.00	5.78		ug/L		116	74 - 127
tert-Butylbenzene	5.00	5.59		ug/L		112	70 - 129
Tetrachloroethene	5.00	5.06		ug/L		101	75 - 124
Toluene	5.00	5.47		ug/L		109	80 - 126
trans-1,2-Dichloroethene	5.00	5.50		ug/L		110	69 - 121
trans-1,3-Dichloropropene	5.00	5.04		ug/L		101	71 - 138
Trichloroethene	5.00	5.11		ug/L		102	72 - 120
Trichlorofluoromethane	5.00	6.88	*+	ug/L		138	60 - 132
Vinyl chloride	5.00	7.29		ug/L		146	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-410044/5
Matrix: Water
Analysis Batch: 410044

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.22		ug/L		104	69 - 127	2	22
1,1,1-Trichloroethane	5.00	5.26		ug/L		105	70 - 121	1	24

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

Lab Sample ID: LCSD 580-410044/5
Matrix: Water
Analysis Batch: 410044

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	5.00	5.33		ug/L		107	67 - 136	9	24
1,1,2-Trichloroethane	5.00	5.05		ug/L		101	73 - 127	5	22
1,1-Dichloroethane	5.00	5.35		ug/L		107	74 - 120	1	26
1,1-Dichloroethene	5.00	6.61	*+	ug/L		132	60 - 129	1	29
1,1-Dichloropropene	5.00	5.23		ug/L		105	72 - 125	1	23
1,2,3-Trichlorobenzene	5.00	5.82		ug/L		116	60 - 136	7	28
1,2,3-Trichloropropane	5.00	5.10		ug/L		102	67 - 135	10	25
1,2,4-Trichlorobenzene	5.00	5.46		ug/L		109	60 - 130	5	26
1,2,4-Trimethylbenzene	5.00	5.65		ug/L		113	71 - 127	6	23
1,2-Dibromo-3-Chloropropane	5.00	4.30		ug/L		86	55 - 135	8	29
1,2-Dichlorobenzene	5.00	5.43		ug/L		109	72 - 129	5	22
1,2-Dichloropropane	5.00	5.23		ug/L		105	69 - 130	3	22
1,3,5-Trimethylbenzene	5.00	5.51		ug/L		110	75 - 123	6	23
1,3-Dichlorobenzene	5.00	5.45		ug/L		109	72 - 125	5	22
1,3-Dichloropropane	5.00	5.19		ug/L		104	69 - 138	5	19
1,4-Dichlorobenzene	5.00	5.41		ug/L		108	71 - 129	4	22
2,2-Dichloropropane	5.00	4.98		ug/L		100	55 - 140	1	31
2-Chlorotoluene	5.00	5.04		ug/L		101	73 - 120	7	22
4-Chlorotoluene	5.00	5.24		ug/L		105	75 - 124	4	23
4-Isopropyltoluene	5.00	5.85		ug/L		117	78 - 125	5	24
Benzene	5.00	5.44		ug/L		109	80 - 120	2	22
Bromobenzene	5.00	4.85		ug/L		97	74 - 130	7	23
Bromoform	5.00	4.23		ug/L		85	48 - 127	3	23
Bromomethane	5.00	7.41		ug/L		148	51 - 148	1	35
Carbon tetrachloride	5.00	5.19		ug/L		104	66 - 130	0	24
Chlorobenzene	5.00	5.25		ug/L		105	74 - 123	3	21
Chlorobromomethane	5.00	5.25		ug/L		105	79 - 121	0	20
Chlorodibromomethane	5.00	4.67		ug/L		93	62 - 141	3	22
Chloroethane	5.00	7.66	*+	ug/L		153	54 - 140	1	33
Chloroform	5.00	5.47		ug/L		109	75 - 120	0	21
Chloromethane	5.00	8.09	*+	ug/L		162	32 - 150	0	33
cis-1,2-Dichloroethene	5.00	5.30		ug/L		106	72 - 120	0	22
cis-1,3-Dichloropropene	5.00	4.90		ug/L		98	77 - 131	4	24
Dibromomethane	5.00	5.16		ug/L		103	65 - 141	0	22
Dichlorobromomethane	5.00	5.21		ug/L		104	74 - 131	2	21
Dichlorodifluoromethane	5.00	8.48	*+	ug/L		170	20 - 150	2	30
EDC	5.00	5.29		ug/L		106	74 - 127	2	21
Ethylbenzene	5.00	5.57		ug/L		111	80 - 124	3	22
Hexachlorobutadiene	5.00	5.12		ug/L		102	63 - 130	5	26
Isopropylbenzene	5.00	5.69		ug/L		114	71 - 123	3	23
Methyl tert-butyl ether	5.00	4.58		ug/L		92	61 - 131	0	27
Methylene Chloride	5.00	5.66		ug/L		113	40 - 142	2	25
m-Xylene & p-Xylene	5.00	5.38		ug/L		108	75 - 124	4	22
Naphthalene	5.00	4.84		ug/L		97	54 - 137	10	28
n-Butylbenzene	5.00	5.34		ug/L		107	69 - 127	4	24
N-Propylbenzene	5.00	5.43		ug/L		109	72 - 126	6	20
o-Xylene	5.00	5.61		ug/L		112	71 - 124	3	23
sec-Butylbenzene	5.00	5.73		ug/L		115	75 - 126	5	23
Styrene	5.00	5.59		ug/L		112	74 - 127	3	22

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

Lab Sample ID: LCSD 580-410044/5
Matrix: Water
Analysis Batch: 410044

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
tert-Butylbenzene			5.00	5.28		ug/L		106	70 - 129	6	24
Tetrachloroethene			5.00	4.86		ug/L		97	75 - 124	4	20
Toluene			5.00	5.23		ug/L		105	80 - 126	4	20
trans-1,2-Dichloroethene			5.00	5.49		ug/L		110	69 - 121	0	27
trans-1,3-Dichloropropene			5.00	4.90		ug/L		98	71 - 138	3	26
Trichloroethene			5.00	4.99		ug/L		100	72 - 120	2	22
Trichlorofluoromethane			5.00	6.79	*+	ug/L		136	60 - 132	1	32
Vinyl chloride			5.00	7.09		ug/L		142	41 - 150	3	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-410595/7
Matrix: Water
Analysis Batch: 410595

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30		ug/L			11/21/22 03:28	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/21/22 03:28	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/21/22 03:28	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/21/22 03:28	1
1,1-Dichloroethane	ND		0.20		ug/L			11/21/22 03:28	1
1,1-Dichloroethene	ND		0.20		ug/L			11/21/22 03:28	1
1,1-Dichloropropene	ND		0.20		ug/L			11/21/22 03:28	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/21/22 03:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/21/22 03:28	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/21/22 03:28	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/21/22 03:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/21/22 03:28	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:28	1
1,2-Dichloropropane	ND		0.20		ug/L			11/21/22 03:28	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/21/22 03:28	1
1,3-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:28	1
1,3-Dichloropropane	ND		0.20		ug/L			11/21/22 03:28	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/21/22 03:28	1
2,2-Dichloropropane	ND		0.50		ug/L			11/21/22 03:28	1
2-Chlorotoluene	ND		0.50		ug/L			11/21/22 03:28	1
4-Chlorotoluene	ND		0.30		ug/L			11/21/22 03:28	1
4-Isopropyltoluene	ND		0.50		ug/L			11/21/22 03:28	1
Benzene	ND		0.20		ug/L			11/21/22 03:28	1
Bromobenzene	ND		0.20		ug/L			11/21/22 03:28	1
Bromoform	ND		0.50		ug/L			11/21/22 03:28	1
Bromomethane	ND		0.50		ug/L			11/21/22 03:28	1
Carbon tetrachloride	ND		0.20		ug/L			11/21/22 03:28	1
Chlorobenzene	ND		0.20		ug/L			11/21/22 03:28	1

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

Lab Sample ID: MB 580-410595/7
Matrix: Water
Analysis Batch: 410595

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		0.20		ug/L			11/21/22 03:28	1
Chlorodibromomethane	ND		0.20		ug/L			11/21/22 03:28	1
Chloroethane	ND		0.50		ug/L			11/21/22 03:28	1
Chloroform	ND		0.20		ug/L			11/21/22 03:28	1
Chloromethane	ND		0.50		ug/L			11/21/22 03:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/21/22 03:28	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/21/22 03:28	1
Dibromomethane	ND		0.20		ug/L			11/21/22 03:28	1
Dichlorobromomethane	ND		0.20		ug/L			11/21/22 03:28	1
Dichlorodifluoromethane	ND		0.40		ug/L			11/21/22 03:28	1
EDC	ND		0.20		ug/L			11/21/22 03:28	1
Ethylbenzene	ND		0.20		ug/L			11/21/22 03:28	1
Hexachlorobutadiene	ND		0.50		ug/L			11/21/22 03:28	1
Isopropylbenzene	ND		1.0		ug/L			11/21/22 03:28	1
Methyl tert-butyl ether	ND		0.30		ug/L			11/21/22 03:28	1
Methylene Chloride	ND		5.0		ug/L			11/21/22 03:28	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/21/22 03:28	1
Naphthalene	ND		1.0		ug/L			11/21/22 03:28	1
n-Butylbenzene	ND		1.0		ug/L			11/21/22 03:28	1
N-Propylbenzene	ND		0.30		ug/L			11/21/22 03:28	1
o-Xylene	ND		0.50		ug/L			11/21/22 03:28	1
sec-Butylbenzene	ND		1.0		ug/L			11/21/22 03:28	1
Styrene	ND		1.0		ug/L			11/21/22 03:28	1
tert-Butylbenzene	ND		0.50		ug/L			11/21/22 03:28	1
Tetrachloroethene	ND		0.50		ug/L			11/21/22 03:28	1
Toluene	ND		0.20		ug/L			11/21/22 03:28	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/21/22 03:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/21/22 03:28	1
Trichloroethene	ND		0.20		ug/L			11/21/22 03:28	1
Trichlorofluoromethane	ND		0.50		ug/L			11/21/22 03:28	1
Vinyl chloride	ND		0.020		ug/L			11/21/22 03:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*11/21/22 03:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/21/22 03:28*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*11/21/22 03:28*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/21/22 03:28*	*1*

Lab Sample ID: LCS 580-410595/4
Matrix: Water
Analysis Batch: 410595

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.92		ug/L		98	69 - 127
1,1,1-Trichloroethane	5.00	5.12		ug/L		102	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.05		ug/L		101	67 - 136
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	73 - 127
1,1-Dichloroethane	5.00	4.82		ug/L		96	74 - 120

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

Lab Sample ID: LCS 580-410595/4
Matrix: Water
Analysis Batch: 410595

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	5.00	5.18		ug/L		104	60 - 129
1,1-Dichloropropene	5.00	4.90		ug/L		98	72 - 125
1,2,3-Trichlorobenzene	5.00	4.48		ug/L		90	60 - 136
1,2,3-Trichloropropane	5.00	4.95		ug/L		99	67 - 135
1,2,4-Trichlorobenzene	5.00	4.96		ug/L		99	60 - 130
1,2,4-Trimethylbenzene	5.00	5.46		ug/L		109	71 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.34		ug/L		87	55 - 135
1,2-Dichlorobenzene	5.00	5.14		ug/L		103	72 - 129
1,2-Dichloropropane	5.00	4.89		ug/L		98	69 - 130
1,3,5-Trimethylbenzene	5.00	5.39		ug/L		108	75 - 123
1,3-Dichlorobenzene	5.00	4.90		ug/L		98	72 - 125
1,3-Dichloropropane	5.00	4.98		ug/L		100	69 - 138
1,4-Dichlorobenzene	5.00	4.71		ug/L		94	71 - 129
2,2-Dichloropropane	5.00	4.72		ug/L		94	55 - 140
2-Chlorotoluene	5.00	5.03		ug/L		101	73 - 120
4-Chlorotoluene	5.00	5.08		ug/L		102	75 - 124
4-Isopropyltoluene	5.00	5.26		ug/L		105	78 - 125
Benzene	5.00	5.12		ug/L		102	80 - 120
Bromobenzene	5.00	4.71		ug/L		94	74 - 130
Bromoform	5.00	4.64		ug/L		93	48 - 127
Bromomethane	5.00	5.92		ug/L		118	51 - 148
Carbon tetrachloride	5.00	5.05		ug/L		101	66 - 130
Chlorobenzene	5.00	4.83		ug/L		97	74 - 123
Chlorobromomethane	5.00	5.00		ug/L		100	79 - 121
Chlorodibromomethane	5.00	4.83		ug/L		97	62 - 141
Chloroethane	5.00	5.53		ug/L		111	54 - 140
Chloroform	5.00	4.97		ug/L		99	75 - 120
Chloromethane	5.00	5.53		ug/L		111	32 - 150
cis-1,2-Dichloroethene	5.00	4.96		ug/L		99	72 - 120
cis-1,3-Dichloropropene	5.00	4.63		ug/L		93	77 - 131
Dibromomethane	5.00	5.09		ug/L		102	65 - 141
Dichlorobromomethane	5.00	5.02		ug/L		100	74 - 131
Dichlorodifluoromethane	5.00	3.57		ug/L		71	20 - 150
EDC	5.00	4.80		ug/L		96	74 - 127
Ethylbenzene	5.00	5.22		ug/L		104	80 - 124
Hexachlorobutadiene	5.00	4.62		ug/L		92	63 - 130
Isopropylbenzene	5.00	5.21		ug/L		104	71 - 123
Methyl tert-butyl ether	5.00	5.15		ug/L		103	61 - 131
Methylene Chloride	5.00	5.37		ug/L		107	40 - 142
m-Xylene & p-Xylene	5.00	5.24		ug/L		105	75 - 124
Naphthalene	5.00	4.71		ug/L		94	54 - 137
n-Butylbenzene	5.00	4.59		ug/L		92	69 - 127
N-Propylbenzene	5.00	5.46		ug/L		109	72 - 126
o-Xylene	5.00	4.83		ug/L		97	71 - 124
sec-Butylbenzene	5.00	5.20		ug/L		104	75 - 126
Styrene	5.00	4.80		ug/L		96	74 - 127
tert-Butylbenzene	5.00	5.28		ug/L		106	70 - 129
Tetrachloroethene	5.00	4.62		ug/L		92	75 - 124
Toluene	5.00	4.69		ug/L		94	80 - 126

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

Lab Sample ID: LCS 580-410595/4
Matrix: Water
Analysis Batch: 410595

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
trans-1,2-Dichloroethene			5.00	5.12		ug/L		102	69 - 121		
trans-1,3-Dichloropropene			5.00	4.78		ug/L		96	71 - 138		
Trichloroethene			5.00	4.64		ug/L		93	72 - 120		
Trichlorofluoromethane			5.00	4.94		ug/L		99	60 - 132		
Vinyl chloride			5.00	5.76		ug/L		115	41 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 580-410595/5
Matrix: Water
Analysis Batch: 410595

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.95		ug/L		99	69 - 127	1	22
1,1,1-Trichloroethane			5.00	5.19		ug/L		104	70 - 121	1	24
1,1,2,2-Tetrachloroethane			5.00	5.03		ug/L		101	67 - 136	0	24
1,1,2-Trichloroethane			5.00	4.85		ug/L		97	73 - 127	0	22
1,1-Dichloroethane			5.00	4.89		ug/L		98	74 - 120	1	26
1,1-Dichloroethene			5.00	5.18		ug/L		104	60 - 129	0	29
1,1-Dichloropropene			5.00	4.92		ug/L		98	72 - 125	1	23
1,2,3-Trichlorobenzene			5.00	4.34		ug/L		87	60 - 136	3	28
1,2,3-Trichloropropane			5.00	4.87		ug/L		97	67 - 135	2	25
1,2,4-Trichlorobenzene			5.00	4.88		ug/L		98	60 - 130	2	26
1,2,4-Trimethylbenzene			5.00	5.38		ug/L		108	71 - 127	2	23
1,2-Dibromo-3-Chloropropane			5.00	4.36		ug/L		87	55 - 135	1	29
1,2-Dichlorobenzene			5.00	5.06		ug/L		101	72 - 129	2	22
1,2-Dichloropropane			5.00	4.96		ug/L		99	69 - 130	1	22
1,3,5-Trimethylbenzene			5.00	5.28		ug/L		106	75 - 123	2	23
1,3-Dichlorobenzene			5.00	4.83		ug/L		97	72 - 125	1	22
1,3-Dichloropropane			5.00	4.94		ug/L		99	69 - 138	1	19
1,4-Dichlorobenzene			5.00	4.64		ug/L		93	71 - 129	1	22
2,2-Dichloropropane			5.00	4.75		ug/L		95	55 - 140	1	31
2-Chlorotoluene			5.00	4.92		ug/L		98	73 - 120	2	22
4-Chlorotoluene			5.00	4.94		ug/L		99	75 - 124	3	23
4-Isopropyltoluene			5.00	5.18		ug/L		104	78 - 125	1	24
Benzene			5.00	5.12		ug/L		102	80 - 120	0	22
Bromobenzene			5.00	4.67		ug/L		93	74 - 130	1	23
Bromoform			5.00	4.68		ug/L		94	48 - 127	1	23
Bromomethane			5.00	5.73		ug/L		115	51 - 148	3	35
Carbon tetrachloride			5.00	5.11		ug/L		102	66 - 130	1	24
Chlorobenzene			5.00	4.82		ug/L		96	74 - 123	0	21
Chlorobromomethane			5.00	5.07		ug/L		101	79 - 121	1	20
Chlorodibromomethane			5.00	4.78		ug/L		96	62 - 141	1	22
Chloroethane			5.00	5.41		ug/L		108	54 - 140	2	33

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

Lab Sample ID: LCSD 580-410595/5
Matrix: Water
Analysis Batch: 410595

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform			5.00	4.95		ug/L		99	75 - 120	0	21
Chloromethane			5.00	5.50		ug/L		110	32 - 150	1	33
cis-1,2-Dichloroethene			5.00	5.03		ug/L		101	72 - 120	1	22
cis-1,3-Dichloropropene			5.00	4.59		ug/L		92	77 - 131	1	24
Dibromomethane			5.00	5.01		ug/L		100	65 - 141	2	22
Dichlorobromomethane			5.00	4.95		ug/L		99	74 - 131	1	21
Dichlorodifluoromethane			5.00	3.67		ug/L		73	20 - 150	3	30
EDC			5.00	4.80		ug/L		96	74 - 127	0	21
Ethylbenzene			5.00	5.18		ug/L		104	80 - 124	1	22
Hexachlorobutadiene			5.00	4.54		ug/L		91	63 - 130	2	26
Isopropylbenzene			5.00	5.18		ug/L		104	71 - 123	1	23
Methyl tert-butyl ether			5.00	5.36		ug/L		107	61 - 131	4	27
Methylene Chloride			5.00	5.43		ug/L		109	40 - 142	1	25
m-Xylene & p-Xylene			5.00	5.25		ug/L		105	75 - 124	0	22
Naphthalene			5.00	4.57		ug/L		91	54 - 137	3	28
n-Butylbenzene			5.00	4.46		ug/L		89	69 - 127	3	24
N-Propylbenzene			5.00	5.33		ug/L		107	72 - 126	2	20
o-Xylene			5.00	4.81		ug/L		96	71 - 124	1	23
sec-Butylbenzene			5.00	5.13		ug/L		103	75 - 126	1	23
Styrene			5.00	4.82		ug/L		96	74 - 127	0	22
tert-Butylbenzene			5.00	5.29		ug/L		106	70 - 129	0	24
Tetrachloroethene			5.00	4.61		ug/L		92	75 - 124	0	20
Toluene			5.00	4.68		ug/L		94	80 - 126	0	20
trans-1,2-Dichloroethene			5.00	5.17		ug/L		103	69 - 121	1	27
trans-1,3-Dichloropropene			5.00	4.76		ug/L		95	71 - 138	1	26
Trichloroethene			5.00	4.65		ug/L		93	72 - 120	0	22
Trichlorofluoromethane			5.00	4.89		ug/L		98	60 - 132	1	32
Vinyl chloride			5.00	5.64		ug/L		113	41 - 150	2	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 580-411107/4
Matrix: Water
Analysis Batch: 411107

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*11/28/22 12:55*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCS 580-411107/5
Matrix: Water
Analysis Batch: 411107

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1000	1060		ug/L		106	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*

Lab Sample ID: LCSD 580-411107/6
Matrix: Water
Analysis Batch: 411107

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	1060		ug/L		106	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*

Lab Sample ID: MB 580-411116/4
Matrix: Water
Analysis Batch: 411116

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/28/22 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*77 - 123*		*11/28/22 19:13*	*1*

Lab Sample ID: LCS 580-411116/5
Matrix: Water
Analysis Batch: 411116

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1000	1900	*+	ug/L		190	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-411116/6
Matrix: Water
Analysis Batch: 411116

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	2070	*+	ug/L		207	55 - 148	9	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*77 - 123*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: MB 580-412239/5
Matrix: Water
Analysis Batch: 412239

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			12/07/22 17:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*12/07/22 17:55*	*1*

Lab Sample ID: LCS 580-412239/6
Matrix: Water
Analysis Batch: 412239

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1000	1100		ug/L		110	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*

Lab Sample ID: LCSD 580-412239/7
Matrix: Water
Analysis Batch: 412239

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	1080		ug/L		108	55 - 148	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Method: 8011 - EDB

Lab Sample ID: MB 580-410560/1-A
Matrix: Water
Analysis Batch: 410703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		11/18/22 16:14	11/22/22 18:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*132*		*60 - 140*	*11/18/22 16:14*	*11/22/22 18:30*	*1*

Lab Sample ID: LCS 580-410560/2-A
Matrix: Water
Analysis Batch: 410703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410560

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0576	0.0661		ug/L		115	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*130*		*60 - 140*

Method: 8011 - EDB (Continued)

Lab Sample ID: LCSD 580-410560/3-A
Matrix: Water
Analysis Batch: 410703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 410560

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0574	0.0632		ug/L		110	60 - 140	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*119*		*60 - 140*

Lab Sample ID: LLCS 580-410560/4-A
Matrix: Water
Analysis Batch: 410703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410560

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0114	0.0108		ug/L		94	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*123*		*60 - 140*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-410139/1-A
Matrix: Water
Analysis Batch: 410295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/16/22 10:08	11/16/22 23:03	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/22 10:08	11/16/22 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*11/16/22 10:08*	*11/16/22 23:03*	*1*

Lab Sample ID: LCS 580-410139/2-A
Matrix: Water
Analysis Batch: 410295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410139

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3360		ug/L		84	50 - 120		
Motor Oil (>C24-C36)			4000	3310		ug/L		83	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*82*		*50 - 150*

Lab Sample ID: LCSD 580-410139/3-A
Matrix: Water
Analysis Batch: 410295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 410139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3410		ug/L		85	50 - 120	1	26
Motor Oil (>C24-C36)			4000	3510		ug/L		88	64 - 120	6	24

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-410139/3-A
Matrix: Water
Analysis Batch: 410295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 410139

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-410188/14-B
Matrix: Water
Analysis Batch: 411093

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 410443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		11/17/22 19:17	11/25/22 07:24	1
Lead	ND		0.00040		mg/L		11/17/22 19:17	11/25/22 07:24	1

Lab Sample ID: LCS 580-410188/15-B
Matrix: Water
Analysis Batch: 411093

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 410443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-410188/16-B
Matrix: Water
Analysis Batch: 411093

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 410443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	1.05		mg/L		105	80 - 120	3	20
Lead	1.00	1.07		mg/L		107	80 - 120	5	20

Lab Sample ID: 580-120032-8 MS
Matrix: Water
Analysis Batch: 411093

Client Sample ID: MW-9
Prep Type: Dissolved
Prep Batch: 410443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.00	1.07		mg/L		107	80 - 120
Lead	ND		1.00	1.06		mg/L		106	80 - 120

Lab Sample ID: 580-120032-8 MSD
Matrix: Water
Analysis Batch: 411093

Client Sample ID: MW-9
Prep Type: Dissolved
Prep Batch: 410443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.00		mg/L		100	80 - 120	6	20
Lead	ND		1.00	1.02		mg/L		102	80 - 120	4	20

Lab Chronicle

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-1

Lab Sample ID: 580-120032-1

Date Collected: 11/14/22 14:24

Matrix: Water

Date Received: 11/15/22 08:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 17:37
Total/NA	Analysis	NWTPH-Gx		1	411116	JSM	EET SEA	11/28/22 21:14
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:15
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 23:20
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410387	DH	EET SEA	11/17/22 15:35
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 07:00

Client Sample ID: MW-2

Lab Sample ID: 580-120032-2

Date Collected: 11/14/22 13:31

Matrix: Water

Date Received: 11/15/22 08:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 18:02
Total/NA	Analysis	NWTPH-Gx		1	411116	JSM	EET SEA	11/28/22 21:39
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:15
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 23:35
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 02:25
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 08:00

Client Sample ID: MW-3

Lab Sample ID: 580-120032-3

Date Collected: 11/14/22 16:53

Matrix: Water

Date Received: 11/15/22 08:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 18:27
Total/NA	Analysis	8260D	DL	5	410595	ITR	EET SEA	11/21/22 04:42
Total/NA	Analysis	NWTPH-Gx		1	411116	JSM	EET SEA	11/28/22 22:03
Total/NA	Analysis	NWTPH-Gx	RA	1	412239	BNM	EET SEA	12/07/22 19:11
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:15
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 22:50
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 02:44
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 08:02

Lab Chronicle

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-4

Date Collected: 11/14/22 15:33
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 18:51
Total/NA	Analysis	NWTPH-Gx		1	411107	BNM	EET SEA	11/28/22 15:39
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:14
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 20:02
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 03:02
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 08:04

Client Sample ID: MW-6

Date Collected: 11/14/22 16:30
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 19:16
Total/NA	Analysis	NWTPH-Gx		1	411107	BNM	EET SEA	11/28/22 16:02
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:14
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 19:31
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 03:21
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 08:07

Client Sample ID: MW-7

Date Collected: 11/14/22 15:59
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 19:41
Total/NA	Analysis	NWTPH-Gx		1	411107	BNM	EET SEA	11/28/22 16:26
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:14
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 22:35
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 03:39
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 08:09

Lab Chronicle

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Client Sample ID: MW-8

Date Collected: 11/14/22 15:00
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 20:06
Total/NA	Analysis	NWTPH-Gx		1	411107	BNM	EET SEA	11/28/22 16:49
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:14
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 22:19
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 03:58
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 06:58

Client Sample ID: MW-9

Date Collected: 11/14/22 12:27
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410044	K1K	EET SEA	11/15/22 20:30
Total/NA	Analysis	NWTPH-Gx		1	411107	BNM	EET SEA	11/28/22 17:13
Total/NA	Prep	8011			410560	TOA	EET SEA	11/18/22 16:14
Total/NA	Analysis	8011		1	410703	AAR	EET SEA	11/22/22 20:17
Total/NA	Prep	3510C			410139	CSS	EET SEA	11/16/22 10:08
Total/NA	Analysis	NWTPH-Dx		1	410295	DH	EET SEA	11/17/22 04:16
Dissolved	Filtration	FILTRATION			410188	TMH	EET SEA	11/16/22 13:25
Dissolved	Prep	3005A			410443	TMH	EET SEA	11/17/22 19:17
Dissolved	Analysis	6020B		5	411093	FCW	EET SEA	11/25/22 07:52

Client Sample ID: Trip Blank

Date Collected: 11/14/22 00:01
Date Received: 11/15/22 08:58

Lab Sample ID: 580-120032-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	410595	ITR	EET SEA	11/21/22 03:53

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Blaes Environmental Inc. Job ID: 580-120032-1
Project/Site: Circle K 6042 Naches, WA

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-23

Sample Summary

Client: Blaes Environmental Inc.
Project/Site: Circle K 6042 Naches, WA

Job ID: 580-120032-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-120032-1	MW-1	Water	11/14/22 14:24	11/15/22 08:58
580-120032-2	MW-2	Water	11/14/22 13:31	11/15/22 08:58
580-120032-3	MW-3	Water	11/14/22 16:53	11/15/22 08:58
580-120032-4	MW-4	Water	11/14/22 15:33	11/15/22 08:58
580-120032-5	MW-6	Water	11/14/22 16:30	11/15/22 08:58
580-120032-6	MW-7	Water	11/14/22 15:59	11/15/22 08:58
580-120032-7	MW-8	Water	11/14/22 15:00	11/15/22 08:58
580-120032-8	MW-9	Water	11/14/22 12:27	11/15/22 08:58
580-120032-9	Trip Blank	Water	11/14/22 00:01	11/15/22 08:58

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: DAN BLAES	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-51030-16329.1
Client Contact: Dan Blaes	Phone: 602-728-0707	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Blaes Environmental Inc.	PWSID:			Job #:
Address: 45 E Monterey Way Suite 200	Due Date Requested: NORMAL TAT			
City: Phoenix	TAT Requested (days): NORMAL			
State, Zip: AZ, 85012	Compliance Project: Δ Yes Δ No			
Phone: 602-549-0925(Tel)	PO #: Purchase Order not required			
Email: dblaes@blaesenvironmental.com	WO #: 202-6042-10			
Project Name: Eastern Washington Project CIRCLE K 6042	Project #: 58005982			
Site: CIRCLE K # 6042 WATCHES, WA	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - (MOD) Arsenic/Lead	8011 - (MOD) EDB in Water	8260D_LL, NWTPH_Gx	NWTPH_Dx - Dx LVI	VOC's 8260 FULL LIST	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	A	A	A			
MW-1	11/14/22	2:24pm	G	Water			X	X	X	X	X		LAB TO FILTER FOR ARSENIC AND LEAD
MW-2		1:31		Water			X	X	X	X	X		
MW-3		4:53		Water			X	X	X	X	X		
MW-4		3:33		Water			X	X	X	X	X		
MW-6		4:30		Water			X	X	X	X	X		
MW-7		3:59		Water			X	X	X	X	X		
MW-8		3:00		Water			X	X	X	X	X		
MW-9		12:27		Water			X	X	X	X	X		
				Water									
				Water									

Therm. ID: T210 Cor: 3.9 ° Unc: 4.1
Cooler Dsc: LAB
Packing: Bubble
Cust. Seal: Yes No X
Blue Ice (Wet) Dry, None
FedEx:
UPS:
Lab Cour:
Other: CLASS

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if s
☐ Return To Client ☒ Disposal By L

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: DAN Blaes	Date/Time: 11/15/22 8:58	Company: BLAES	Received by:	Date/Time: 11/15/22 0858	Company: EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and O

580-120032 Chain of Custody

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: DAN BLAES	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-51030-16329.1
Client Contact: Dan Blaes	Phone: 602-728-0707	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Blaes Environmental Inc.	PWSID:			Job #:
Address: 45 E Monterey Way Suite 200	Due Date Requested: NORMAL TAT			
City: Phoenix	TAT Requested (days): NORMAL			
State, Zip: AZ, 85012	Compliance Project: Δ Yes Δ No			
Phone: 602-549-0925(Tel)	PO #: Purchase Order not required			
Email: dblaes@blaesenvironmental.com	WO #: 202-6042-10			
Project Name: Eastern Washington Project CIRCLE K 6042	Project #: 58005982			
Site: CIRCLE K # 6042 WATCHES, WA	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - (MOD) Arsenic/Lead	8011 - (MOD) EDB in Water	8260D_LL, NWTPH_Gx	NWTPH_Dx - Dx LVI	VOC's 8260 Full List	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	A	A	A			
MW-1	11/14/22	2:24pm	G	Water			X	X	X	X	X		LAB TO FILTER FOR ARSENIC AND LEAD
MW-2		1:31		Water			X	X	X	X	X		
MW-3		4:53		Water			X	X	X	X	X		
MW-4		3:33		Water			X	X	X	X	X		
MW-6		4:30		Water			X	X	X	X	X		
MW-7		3:59		Water			X	X	X	X	X		
MW-8		3:00		Water			X	X	X	X	X		
MW-9		12:27		Water			X	X	X	X	X		
				Water									
				Water									

Therm. ID: T210 Cor: 3.9 ° Unc: 4.1
Cooler Dsc: LAB
Packing:
Cust. Seal: Yes No
Blue Ice Wet, Dry, None
FedEx:
UPS:
Lab Cour:
Other: CLASS

Possible Hazard Identification
Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Sample Disposal (A fee may be assessed if s
Return To Client, Disposal By L.

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: DAN BLAES	Date/Time: 11/15/22 8:58	Company: BLAES	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 11/15/22 0858 Company: EETN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and O

580-120032 Chain of Custody

Login Sample Receipt Checklist

Client: Blaes Environmental Inc. Job Number: 580-120032-1

Login Number: 120032 **List Source: Eurofins Seattle**
List Number: 1
Creator: Presley, Kim A

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