AECOM

Compliance Monitoring Report: Former Jacks Grocery

Chevron Environmental Management Company

Project number: 60742494

September 8, 2025

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Quality information

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Abbreviations and Acronyms

AECOM	AECOM Technical Services
Arcadis	Arcadis U.S., Inc.
bgs	below ground surface
Blaine Tech	Blaine Tech Services, Inc.
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CEMC	Chevron Environmental Management Company
CUL	cleanup level
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington State Department of Ecology
GRO	total petroleum hydrocarbons as gasoline range organics
ID	Identification
MTCA	Model Toxics Control Act
NFA	no further action
No.	Number
Site	area of environmental investigation
Subject Property	Former Jacks Grocery, located at 706 South Columbus Avenue, Goldendale, Washington
Union Oil	Union Oil Company of California
UST	underground storage tank
work plan	Data Gap Investigation Work Plan

1. Introduction

On behalf of Chevron Environmental Management Company (CEMC), AECOM Technical Services (AECOM) has prepared this Compliance Monitoring Report for the Former Jack's Grocery facility located at 706 South Columbus Avenue in Goldendale, Washington (Subject Property: CSID: 6862). The area of environmental investigation (Site) includes the Subject Property and approximately 4 to 6 feet west of the Subject Property into the City of Goldendale right-of-way (South Columbus Avenue).

CEMC manages environmental matters on behalf of its affiliate, Union Oil Company of California (Union Oil). A Site location map and a Site vicinity map are provided as Figures 1 and 2, respectively.

The Site was enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program on May 25, 2022, under Voluntary Cleanup Program Project No. CE0537. Additional Site regulatory identifiers include Cleanup Site ID No. 6826, Facility Site ID No. 89542539, and UST ID No. 100342.

In October 2022, a Data Gap Investigation Work Plan (work plan) was submitted to Ecology to further delineate and/or evaluate residual petroleum hydrocarbon impacts in soil and groundwater at the Site (Arcadis U.S., Inc. [Arcadis] 2022). The work plan was approved by Ecology on an October 24, 2022, electronic mail (Mefford 2022). Following Ecology approval, property ownership changed; after lengthy negotiations, a new Site access agreement was obtained. As a result, the work was delayed until 2024, when it was implemented in general accordance with the work plan. The data gap investigation is detailed in Section 2.2 below. This Compliance Monitoring Report documents the results of groundwater monitoring activities between June 2024 and June 2025 following the data gap investigation as rationale for a No Further Action determination of this Site per Model Remedy Option 1 for sites with petroleum impacts to groundwater.

2. Site Background

2.1 Site Description and Background

The Site as of August 2025 is occupied by a one-story residential home located adjacent and to the southeast of the intersection of South Columbus Avenue and East Brooks Street in Goldendale, Washington (Klickitat County Assessor; Parcel Information Online | Klickitat County, WA). The Subject Property consists of Klickitat County Parcel No.: 04162175000100. The Site vicinity includes a mix of residential and commercial properties. The Site is bordered by residential properties to the east and south, East Brooks Street to the north, and South Columbus Avenue to the west. A multi-tenant commercial building (Carquest Auto Parts, Goldendale Garden Supply, and J&N Cable) known as Columbus Square is located to the north across East Brooks Street, and a former car wash facility (Hardie's) is located to the west across South Columbus Avenue.

Based on known Site information, historical aerial photographs, and community interviews, residential and commercial development of the Site area began in the early 1930s (Robert D. Miller Consulting 1992a). The date the Site was first used as a service station is unknown, although reportedly USTs were installed as early as 1933 (Robert D. Miller Consulting 1992a; Shannon and Wilson, Inc. 2014). Based on available records and historical photographs, the Site was occupied by a Union Oil service station from at least 1942 through 1961. Petroleum operations reportedly ceased at the Site in 1982. The Jacks Grocery store remained open until June 1992. In July and August of 1992, four USTs and an unknown volume of petroleum-impacted soil were removed and disposed offsite (Robert D. Miller Consulting 1992a; 1992b). The Site was also previously occupied by, or associated with, a motel and used as apartments/rental units

for some time. The store was later remodeled into the current residential use, although the exact dates are unknown.

Information regarding the sizes, contents, locations, and number of tanks is conflicting and varied in historical documentation. As mentioned above, USTs were reportedly first installed at the Site in approximately 1933 (Robert D. Miller Consulting 1992a). According to a Union Oil document dated 1946, one 280-gallon and two 550-gallon USTs were present at the Site, with a 1,000-gallon tank to be installed to increase storage capacity. Four USTs were abandoned in 1982 and removed in 1992 and were of steel, single-walled construction (Robert D. Miller Consulting 1992a; 1992b). The reported USTs removed in 1992 included a 500-gallon, gasoline tank (Tank 1); a 300-gallon gasoline tank containing waste oil (Tank 2), a 250-gallon, gasoline tank (Tank 3); and a 1,000-gallon gasoline tank (Tank 4; Robert D. Miller Consulting 1992a; Shannon and Wilson, Inc. 2014). However, later reports suggest that all four USTs may have been used for gasoline storage; waste oil reportedly was stored in an undocumented aboveground tank (Robert D. Miller Consulting 1992b; Shannon and Wilson, Inc. 2014). At the time of removal, the USTs were observed to be rusted with holes in the tank bottoms, situated at 5 feet below ground surface (bgs). No additional tanks were discovered during the investigation (Robert D. Miller Consulting 1992a).

2.2 Environmental History

Environmental assessments and remediation conducted at the Site to date are summarized below. Groundwater gauging and select analytical results are presented in Table 1. Soil analytical results are presented in Table 2. Historical soil sample locations are shown on Figure 3.

In July 1992, the four known USTs were removed from the Site. During UST removal, free product was reportedly observed in the soil below the southern end of Tank 1 (Robert D. Miller Consulting 1992a). The USTs were observed to be rusted with holes in the tank bottoms. Four discrete soil samples (Sample #1A @ T4, Sample #1B @ T4, Sample #2 @ T2 & T3, and Sample #3@ T1) were collected from the base of the excavation at depths of 6 to 7.5 feet bgs. The analytical results of Sample #3@ T1 (total petroleum hydrocarbons as gasoline range organics [GRO], toluene, ethylbenzene, and xylenes), collected at 6.5 feet bgs, exceeded Model Toxics Control Act (MTCA) Method A cleanup levels (CULs).

In August 1992, the UST area was over excavated to an approximate depth of 8 feet bgs, where bedrock was encountered, and nine confirmation sidewall and bottom soil samples were collected (Sample #1-NW, Sample #2-W, Sample #3-NE, Sample #4-E, Sample #5-SE, Sample #6-S, Sample #7-SW, Sample #8-E, and Sample #9-W) (Robert D. Miller Consulting 1992b; Shannon and Wilson, Inc. 2014). A groundwater grab sample (Sample #10 pit water) was also collected (Robert D. Miller Consulting 1992c). GRO; benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX); and lead were detected in the water sample. Based on the results of Sample #1-NW, this area was further over excavated to the west, and Sample #11-NW was collected. GRO was not detected in Sample #11-NW. Over excavation in the area of Sample #5-SE and Sample #6-S, which contained GRO above the MTCA Method A CUL, was not performed due to proximity to the building foundation; this soil was left in place (Robert D. Miller Consulting 1992b). However, three soil samples (Sample #12-NE, Sample #13-E, and Sample #14-NE) were collected from hand-auger borings advanced horizontally into the eastern sidewall, to approximately 2 feet laterally beneath the building. These horizontal hand-auger borings were advanced at depths of 5.5 to 6.5 feet bgs; GRO was detected in only #14-NE at a low concentration, below the CUL (Shannon and Wilson, Inc. 2014).

In October 1992, Robert D. Miller Consulting prepared a corrective action progress report detailing the work completed in July and August of 1992. No new work had been completed, and the report was an update of the work progress and request for comment regarding further actions. The report concluded remaining impacted soil was limited under the western wall of the building, and residual soil and groundwater impacts were not significant. In a letter submitted to Ecology by Robert D. Miller Consulting in November 1992, it was indicated that the soil excavated at the Site was taken offsite to Mr. Glenn McClaskey’s Ranch and aeriated as treatment. The soil sample results post-treatment are presented as

Sample #15 through Sample #18 in Table 2, showing GRO was not detected. The final disposition of the treated soil is unknown.

In May 1995, to further evaluate residual impacts, one soil and one groundwater grab sample were collected from each of two hand-auger borings (Boring 1 and Boring 2). Boring 1 was advanced to 6.5 feet bgs adjacent to the northwestern corner of the former grocery building, and Boring 2 was advanced to 5.5 feet bgs on the adjacent property to the east. Only a low concentration of total petroleum hydrocarbons as diesel range organics (DRO), identified by the laboratory as weathered gasoline, was detected in the soil sample collected from Boring 1. BTEX was detected in the grab groundwater sample collected from Boring 1; however, only benzene exceeded the Method A CUL (Robert D. Miller Consulting 1995). Petroleum hydrocarbons were not detected in the groundwater sample collected from Boring 2.

In October 2007, a soil investigation was performed by Robert D. Miller Consulting to further assess residual petroleum hydrocarbon concentrations along the Site building (Robert D. Miller Consulting 2007). Three soil borings (B1 through B3) were advanced near/beneath the western side of the building. Sample B1-C was collected at 6.75 feet bgs near the western wall. Samples B2-A and B3-B were collected at approximately 7 and 7.5 feet bgs, respectively, from beneath the building. Low concentrations of GRO were detected in B2-A and B3-B but did not exceed the MTCA Method A CUL, xylenes and lead were detected in B1-C but did not exceed MTCA Method A CULs. Additionally, a grab groundwater sample was collected from B1. Three monitoring wells (MW-1, MW-2, and MW-3) were installed and sampled in 2007 (Figure 3) to further assess groundwater conditions at and surrounding the Site. GRO, BTEX, and dissolved lead were detected in groundwater samples collected from the wells, but at concentrations below MTCA Method A CULs. The GRO concentration detected in the groundwater grab sample from B1 (also named soil location B1-C, Figure 3) exceeded the MTCA Method A CUL.

In June 2022, a Site visit was conducted by Arcadis to assess the condition of the monitoring wells, during which monitoring well MW-2 could not be located. Monitoring well MW-1 was determined to be on the parcel to the south of the Site; Arcadis could not inspect the well due to lack of property access, but it is believed to be in good condition. Monitoring well MW-3 was located and gauged; the well was determined to be in good condition.

In June 2024, Arcadis conducted a data gap investigation to further delineate and/or evaluate residual petroleum hydrocarbon impacts in soil and groundwater at the Site. The scope of work was completed to support a no further action (NFA) determination for the Site using model remedy Table 1, Option 1 of the Model Remedies for Sites with Petroleum Impacts to Groundwater (Ecology 2017). The methods and procedures were conducted in accordance with the MTCA Guidance for Remediation of Petroleum Contaminated Sites, Toxics Cleanup Program Publication No. 10-09-057 (Ecology 2016) and analytical was conducted per Table 830-1 of WAC 173-340-900.

Investigation activities included the advancement of seven borings (SB-1, SB-2, SB-3, and MW-4 through MW-7) and completion of four of the borings (MW-4 through MW-7) as monitoring wells. The borings were advanced by Cascade Environmental, a Washington-licensed drilling subcontractor located in Woodinville, Washington, on June 11 and 12, 2024, using a direct-push drill rig under Arcadis supervision.

Soil analytical results for samples collected during the data gap investigation were non-detect or less than MTCA Method A CULs. Select soil analytical results are presented in Table 2 and shown on Figure 4. The soil laboratory report and chain-of-custody documentation are provided in Appendix D of the 2024 Site Status Report submitted to Ecology by Arcadis (Arcadis 2024).

Blaine Tech Services, Inc. (Blaine Tech) conducted quarterly groundwater monitoring activities during June and September 2024 under the direction of Arcadis, documentation is provided in Appendix B of the 2024 Site Status Report (Arcadis 2024). Blaine Tech, a subcontractor to AECOM, continued quarterly groundwater monitoring activities in December 2024, and March and June 2025 (Appendix A).

Groundwater analytical results for samples collected from the monitoring well network during these events were non-detect or less than MTCA Method A CULs. The groundwater laboratory reports and chain-of-custody documentation for June and September 2024 are provided in Appendix E of the 2024 Site Status

Report submitted to Ecology by Arcadis (Arcadis 2024). The laboratory reports for December 2024, and March and June 2025 events are provided in Appendix B. Figures 5 through 9 show groundwater elevation contours and analytical results for the five events.

3. Geology

The Site is located within the Klickitat Valley, situated between the Columbia and Klickitat rivers. Regional soils consist primarily of Tertiary volcanic rocks belonging to the Columbia River Basalt Group. Based on available soil boring logs, the Site is underlain by a layer of silt with low-plasticity properties to a depth of approximately 2.5 feet bgs. A mixture of primarily silt and some poorly sorted fine sand extends below this layer to an approximate depth of 6 feet bgs. Borings terminate at various depths between 7 and 10 feet bgs with poorly silted sand present at all locations with some pebbles present.

These soil findings are consistent with the soil documented by Arcadis during their 2024 data gap investigation (Arcadis, 2024). Soils encountered in the borings generally consisted of silt, with occasional intervals of silt and sand or clay, to the maximum explored depth of 10 feet bgs. Additional soil description details are provided on the boring logs in Appendix A of the 2024 Site Status Report submitted to Ecology by Arcadis (Arcadis, 2024).

Historically, the depth to water at the Site has been measured at approximately 4 to 5 feet below the top of casing elevation. Gauging of the Site wells in 2007 indicated a gradient toward the southwest. However, interpretations presented for the Columbus Square facility to the north suggest a flow direction toward the east/southeast (GHD 2022). Groundwater contour data from June 2024 to June 2025 can be seen in Figures 5 through 9. Historical groundwater gauging data and analytical results are presented in Table 1.

4. Exposure Pathways

In accordance with MTCA, development of cleanup levels includes identifying potential exposure pathways for human health and the environment based on the current land use and planned use. The Subject Property is zoned for C2 commercial use, which allows for residential use within, and the vicinity is zoned for commercial use with no anticipated changes to that designation in the future (I. McLennan, personal communication, August 11, 2025). Based on the previous investigations and activities completed at the Site, a summary of each of the identified exposure pathways is included in the following subsections.

4.1 Soil

Soil samples have been collected starting in 1992 by Robert D. Miller Consulting and were most recently collected in 2024 by Arcadis. Soil samples were first collected at the Site in June 1992 by Robert D. Miller consulting following the removal of four USTs. The Site was over excavated following UST removal. Soil borings have been advanced, and samples have been collected in select areas of historical potential impacts and in the extents of excavations. Contaminated soil was left in place along the western edge of the building on the Subject Property.

Soil samples were collected in 2007 by Robert D. Miller Consulting at depths between 6.75 and 7.5 feet bgs; while low concentrations of GRO, xylenes, and/or lead were detected in one or more of the collected samples, the concentrations did not exceed MTCA Method A CULs.

Arcadis performed a data gap investigation in 2024 with the objective of delineating and/or further evaluating the impacts of residual petroleum hydrocarbons in the soil and groundwater at the Site.

Investigation activities included the advancement of seven borings (SB-1, SB-2, SB-3, and MW-4 through MW-7) and completion of four of the borings (MW-4 through MW-7) as monitoring wells. Borings SB-1, SB-2, and SB-3 and monitoring wells MW-6 and MW-7 are all placed along the western edge of the building where contaminated soil was left in place following the over-excavation event in 1992. Per the data gap investigation performed by Arcadis in 2024, soils encountered at the borings generally consisted of silt, with occasional intervals of silt and sand or clay, to the maximum explored depth of 10 feet bgs. Soil analytical results for samples collected during the data gap investigation were non-detect or less than MTCA Method A CULs. Based on these data, AECOM considers the soil pathway to be incomplete.

4.2 Groundwater

The first grab groundwater sample was collected at the Site in August 1992 by Robert D. Miller Consulting along the western edge of the building on the Property below the former third UST location. A second round of grab groundwater samples was collected in May 1995 from the residual soil contamination left-over following the over excavation event in August 1992 and from the northwestern corner of Parcel No. 04162175000200. In October 2007, a third grab groundwater sample was collected, and three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed to further assess the groundwater conditions at and surrounding the Site. GRO was detected below the MTCA Method A CUL at each of the wells, and BTEX was detected below MTCA Method A CULs at MW-1 and MW-2. The grab groundwater collected from boring B-1 in 2007 had GRO above the MTCA Method A CUL. Four additional groundwater monitoring wells were installed in June 2024, and collected samples were analyzed for GRO, DRO, heavy oil range organics, BTEX, methyl tert-butyl ether, ethylene dibromide, 1,2-dichloroethane, and lead. Well locations MW-6 and MW-7 were intended to reevaluate the areas of former GRO exceedances. Samples collected during the last five quarterly monitoring events were either non-detect or below MTCA Method A CULs. Field reports and chain-of-custody data are in Appendix A of this compliance monitoring report, and laboratory analytical reports are in Appendix B. Based on these data, AECOM considers the groundwater pathway to be incomplete.

4.3 Vapor

Ecology’s vapor intrusion guidance (Ecology 2025) indicates that a 30-foot horizontal or 6-foot vertical separation distance from the edge of soil exceedances to existing buildings must be present in order to exclude the vapor pathway. A single-family residence is located on the Subject Property within 30 feet of a limited area of soil contamination which was left in place at the time of the 1992 remedial excavation due to the location of the former grocery building. However, based on additional soil sampling completed by Arcadis in 2024, it appears that concentrations in this area are currently less than MTCA Method A CULs, likely due to natural attenuation processes. Based on the lack of current soil exceedances at the Subject Property, AECOM considers the vapor pathway to be incomplete.

4.4 Sensitive Receptors Evaluation

According to the Robert D. Miller Consulting report (1992a), Mr. Randy Holeman of the Department of Ecology advised that this area is not listed as an "Environmentally sensitive area", per WAC 173-360-610, the Washington Administrative Code for Underground Storage Tank Regulations. Potentially sensitive receptors were not found.

The closest identified sensitive receptor is World War II Park, which is approximately 700 feet northeast and upgradient of the Site. Due to the distance between the Site and the closest sensitive receptor, no sensitive receptors are a concern for the Site. The neighboring properties and development are illustrated on Figure 2. A Simplified Terrestrial Ecological Evaluation has been completed by Ian Mclennan in August 2025 and is included as Appendix C of this Compliance Monitoring Report.

5. Conclusions

Based on the environmental activities conducted to date, AECOM is requesting an NFA designation for the Site. Soil and groundwater have been adequately characterized in the Subject property. The extents of the petroleum-related impacted soil and groundwater are delineated to the extent possible beneath the Former Jack's Grocery building.

Impacted soil beneath the Former Jacks Grocery building has been excavated and removed to the fullest extent practicable. Although residual contamination greater than MTCA Method A CULs was reportedly left in place beneath the structure of the building following over excavation activities in August 1992, multiple borings have been advanced in the region and samples collected in both 2007 and 2024 show that impacts to soil beneath and to the west of the building most likely naturally attenuated and are below MCTA CULs.

Following the over excavation of contaminated soil in August 1992, no regular groundwater monitoring occurred at the Site. Groundwater grab samples collected in 2007 showed detections of GRO exceeding MTCA Method A CULs in boring location B1; however, groundwater monitoring results from June 2024 to June 2025 show constituents of concern below MTCA Method A CULs, including in the area of the former GRO exceedances near monitoring wells MW-6 and MW-7. A groundwater monitoring network was established in and around the area of previously impacted soil. Based on the last five quarters of groundwater sampling data, concentrations have remained below MTCA Method A CULs and indicate groundwater impacts have attenuated as a result of the removal of the contaminated soil from the Subject Property and through natural processes.

Based on AECOM's review of soil and groundwater data collected at the Site, all concentrations of constituents are less than applicable MTCA Method A CULs, and the Site qualifies for an NFA determination based on Model Remedy Option 1 for sites with petroleum impacts to groundwater.

6. References

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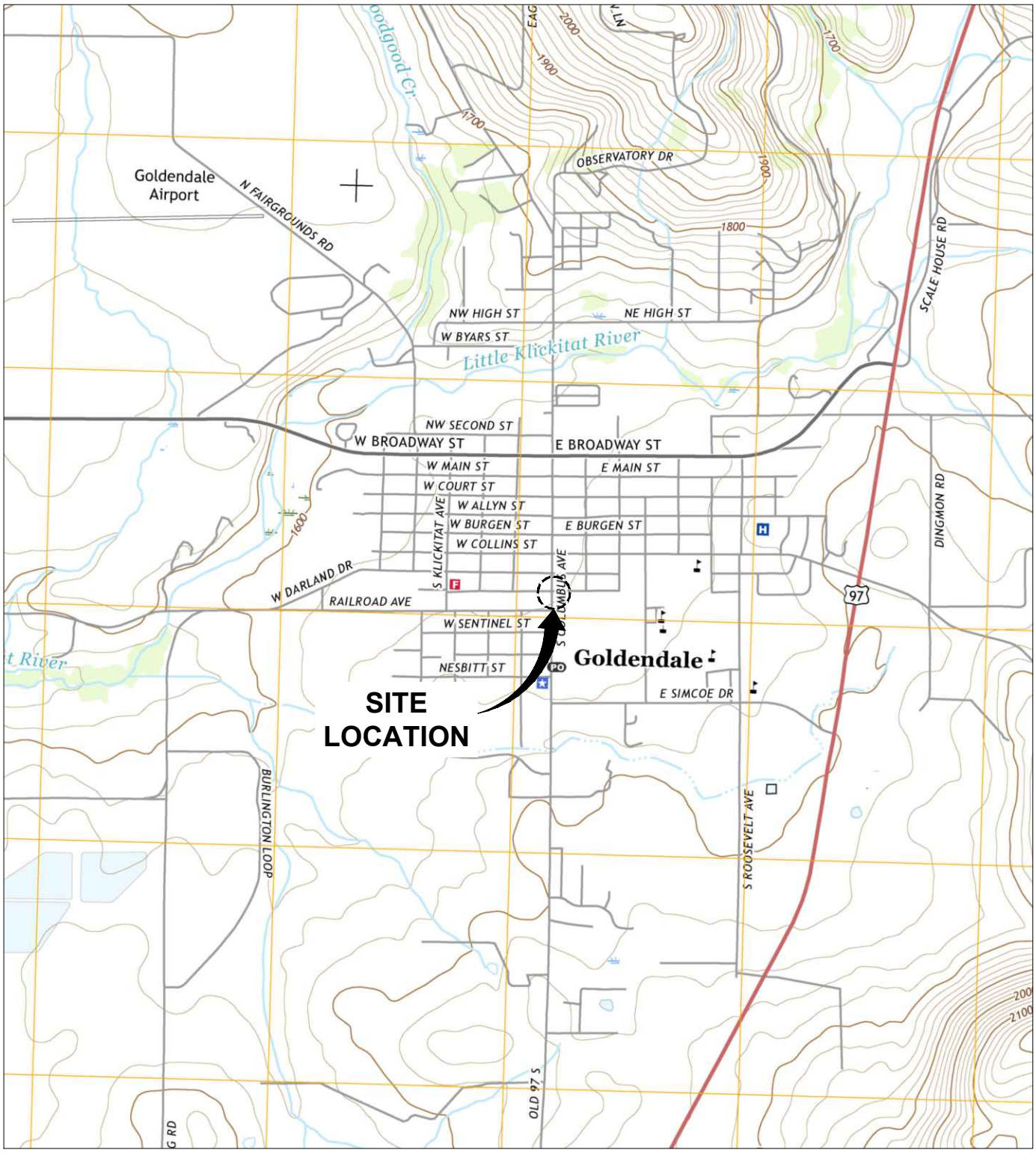
Figures



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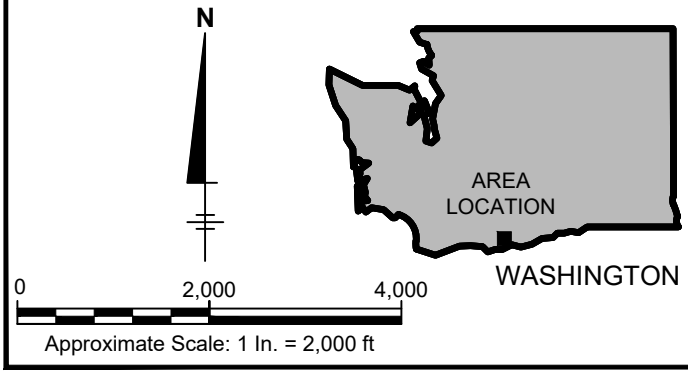

CHEVRON ENVIRONMENTAL MANAGMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SITE LOCATION MAP

AECOM

FIGURE 1

CITY: CITY DIV/GROUP:ENV_CAD DB:CAD
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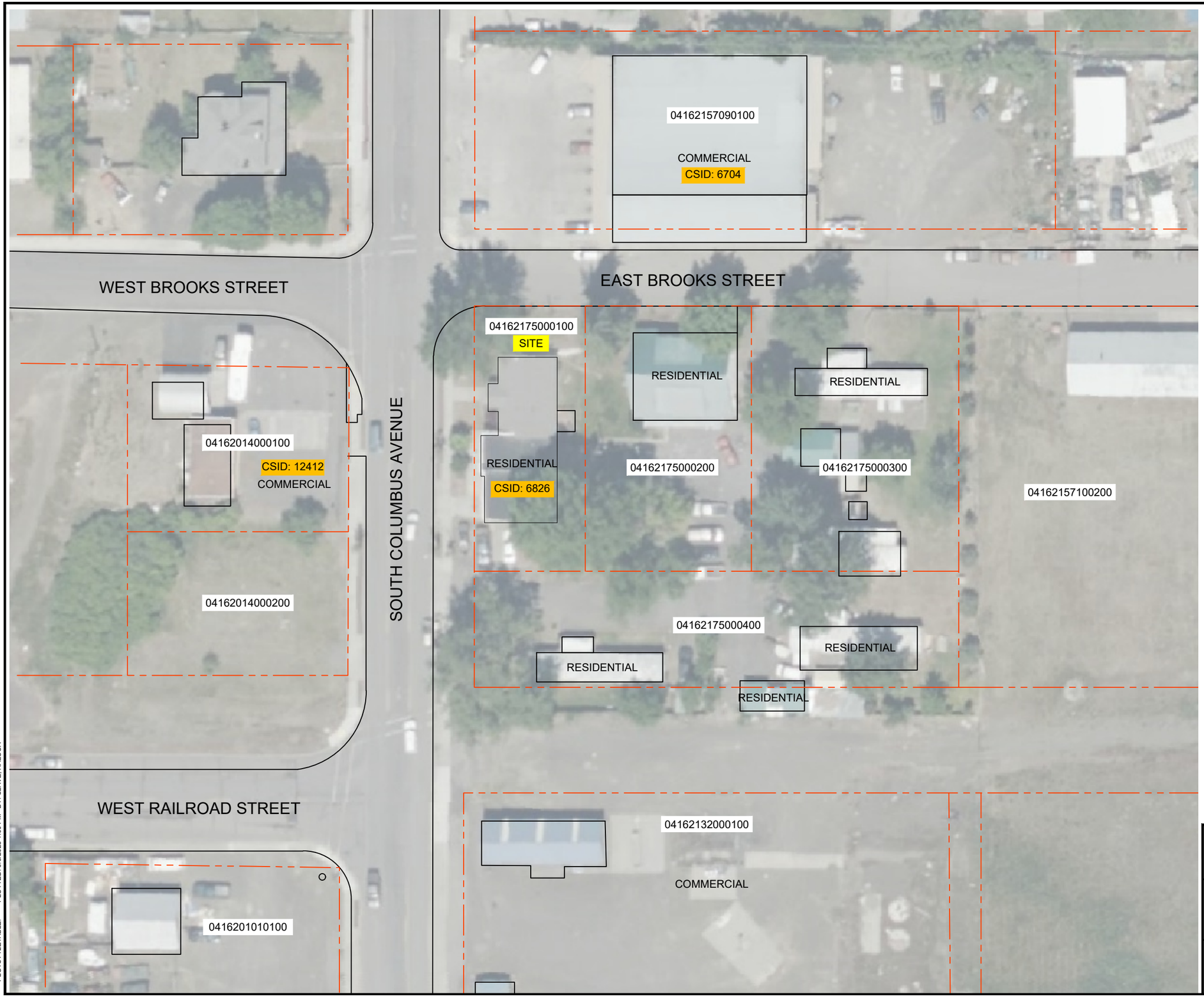

LEGEND:

04162175000200	PARCEL IDENTIFICATION NUMBER
	APPROXIMATE PARCEL LINE
CSID:	UNIQUE IDENTIFIER TO THE CLEAN UP SITE

N

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

SOURCE:

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0 50' 100'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SITE VICINITY MAP

AECOM

FIGURE 2

C:\Users\SlaveR\AECOM\EC GIS Services - DCS AMERICAS\Chevron\Chevron 300\Washington\LS 115046, 706 South Columbus Avenue, Goldendale\DATA\CAD\01-DWG\GEN-OFFSITE-FORMER JACKS GROCERY-2025-FIG02 SITE VICINITY.dwg LAYOUT: 2 SAVED: 8/29/2025 12:39 PM PAGESETUP: ---
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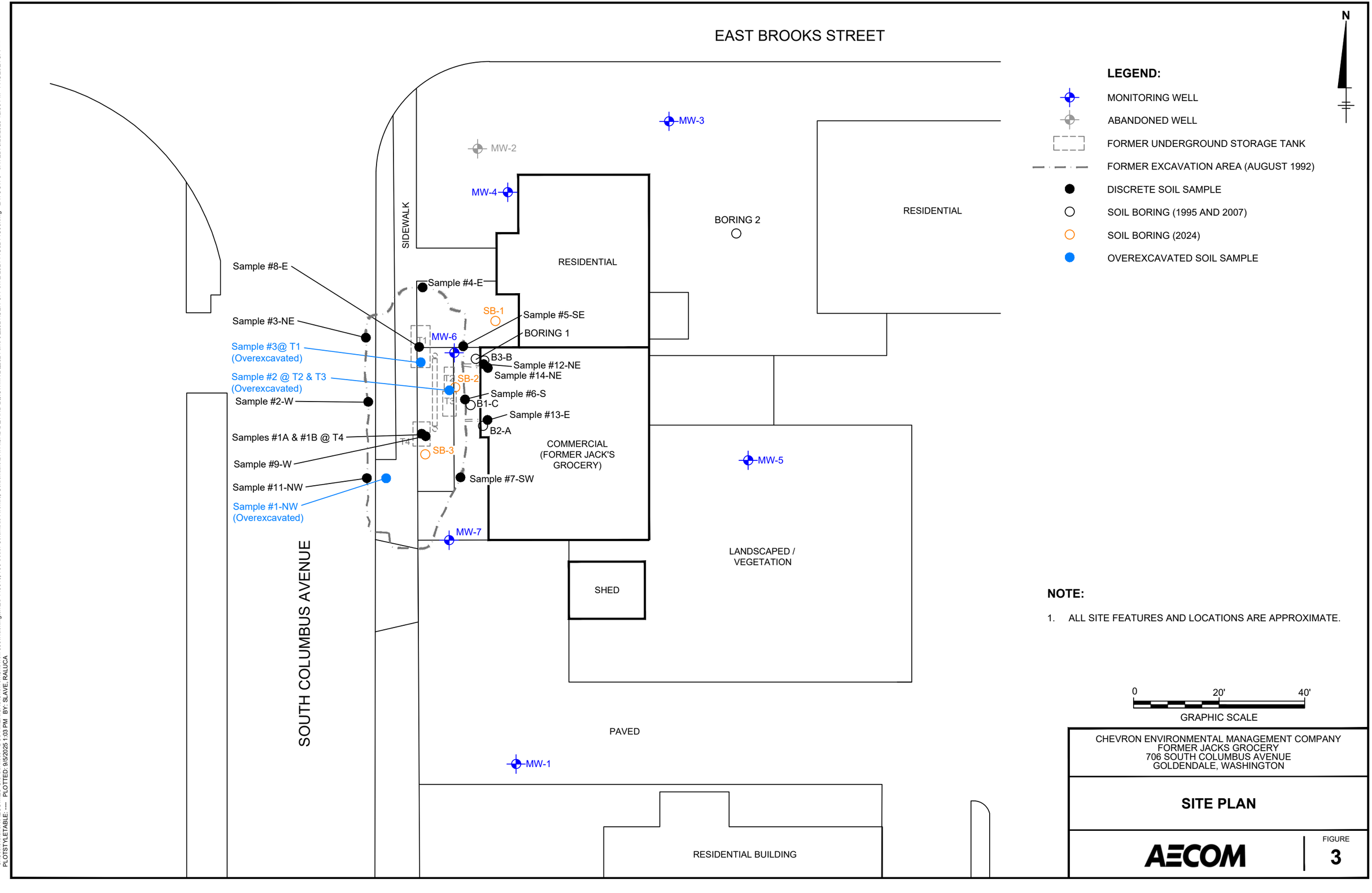

NOTE:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SITE PLAN

AECOM

FIGURE 3

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EAST BROOKS STREET

SOUTH COLUMBUS AVENUE

SIDEWALK

RESIDENTIAL

RESIDENTIAL

COMMERCIAL (FORMER JACK'S GROCERY)

SHED

LANDSCAPED / VEGETATION

PAVED

RESIDENTIAL BUILDING

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7

SB-1 SB-2 SB-3

T1 T2 T3 T4

MW-4		
Sample Date	6/11/2024	6/11/2024
Sample Depth	4.50-5.00	8.00-8.50
GRO	1.90 B J	1.42 B J
DRO	<1.75	<4.16
HRO	<4.39	<4.16
Benzene	<0.000793	<0.000723
Toluene	0.00231 J	<0.00201
Ethylbenzene	<0.00125	<0.00114
Total Xylenes	0.00246 J	<0.0136

SB-1		
Sample Date	6/11/2024	6/11/2024
Sample Depth	6.00-7.00	8.00-9.00
GRO	1.69 B J	2.65 B J
DRO	<1.71	<1.47
HRO	<4.29	<3.67
Benzene	<0.00077	<0.000563
Toluene	<0.00214	<0.00157
Ethylbenzene	<0.00121	<0.000888
Total Xylenes	<0.00145	<0.00106

MW-6		
Sample Date	6/11/2024	6/11/2024
Sample Depth	6.00-7.00	7.00-8.00
GRO	<1.27	1.65 B J
DRO	<1.61	3.64 J
HRO	<4.03	4.56 J
Benzene	<0.000698	0.00107 J
Toluene	0.00232 J	0.00815
Ethylbenzene	<0.0011	0.00189 J
Total Xylenes	<0.00135	0.00711 J

SB-2		
Sample Date	6/11/2024	6/11/2024
Sample Depth	4.50-5.00	7.00-8.00
GRO	1.56 B J	2.40 B J
DRO	11.6	7.1
HRO	71.4	4.60 J
Benzene	<0.000651	<0.000680
Toluene	0.00225 J	0.00611 J
Ethylbenzene	0.00255 J	<0.00107
Total Xylenes	0.0163	0.00469 J

SB-3		
Sample Date	6/12/2024	6/12/2024
Sample Depth	4.50-5.00	9.50-10.00
GRO	<1.24	1.11 B J
DRO	14.7	<1.50
HRO	11.9 J	<3.76
Benzene	<0.000684	<0.000601
Toluene	0.00555 J	0.00484 J
Ethylbenzene	<0.00108	<0.000948
Total Xylenes	0.00307 J	0.00270 J

MW-7		
Sample Date	6/12/2024	6/12/2024
Sample Depth	4.50-5.00	7.50-8.00
GRO	2.50 B J [2.19 B J]	<1.35
DRO	<1.69 [<1.83]	<1.68
HRO	<4.24 [<4.57]	5.03 J
Benzene	<0.000748 [<0.000856]	<0.000745
Toluene	0.00599 J [<0.00241]	0.00233 J
Ethylbenzene	<0.00118 [<0.00137]	<0.00118
Total Xylenes	0.00455 [<0.00137]	0.00185 J

MW-5		
Sample Date	6/12/2024	6/12/2024
Sample Depth	4.50-5.00	6.50-7.00
GRO	2.68 B J [2.05 B J]	1.41 B J
DRO	<1.75 [<1.76]	<1.67
HRO	<4.39 [<4.40]	<4.17
Benzene	<0.000788 [<0.000796]	<0.000748
Toluene	<0.00219 [0.00423 J]	<0.00208
Ethylbenzene	<0.00124 [<0.00126]	<0.00118
Total Xylenes	<0.00149 [0.00349 J]	<0.00141

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- SOIL BORING (2024)
- < NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT OR METHOD DETECTION LIMIT
- [ ] DUPLICATE SAMPLE
- bgs BELOW GROUND SURFACE
- CUL CLEANUP LEVEL
- DRO DIESEL-RANGE ORGANICS
- GRO GASOLINE-RANGE ORGANICS
- HRO HEAVY-OIL-RANGE ORGANICS
- MTCA MODEL TOXICS CONTROL ACT
- B THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- J THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; VALUES ARE OUTSIDE UPPER RANGE FOR PRECISION

MTCA Method A CULs	
GRO	30/100
DRO	2,000
HRO	2,000
Benzene	0.03
Toluene	7
Ethylbenzene	6
Total Xylenes	9

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. SAMPLE DEPTHS ARE IN FEET bgs
3. CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg).
4. GRO MTCA METHOD A CUL WITH BENZENE PRESENT IS 30 mg/kg AND WITHOUT BENZENE PRESENT IS 100 mg/kg.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SOIL ANALYTICAL RESULTS MAP JUNE 11 - 12, 2024

AECOM

FIGURE 4

C:\Users\SlaveR\AECOM\EC GIS Services - DCS AMERICAS\Chevron\Chevron 300\Washington\LS 115046, 706 South Columbus Avenue, Goldendale\DATA\CAD\3Q AND 2Q\GWMR 2Q2024 and 3Q2024\GEN-OFFSITE-2024-FIG05-CONTOUR_AND_ANALYTICAL MAP-2Q.dwg LAYOUT: 5 SAVED: 8/29/2025 1:01 PM PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/5/2025 1:09 PM BY: SLAVE, RALUCA

EAST BROOKS STREET

SOUTH COLUMBUS AVENUE

SIDEWALK

RESIDENTIAL

COMMERCIAL (FORMER JACK'S GROCERY)

SHED

LANDSCAPED / VEGETATION

PAVED

RESIDENTIAL BUILDING

T1 T2 T3 T4

MW-2

MW-3 (1635.53)

MW-4 (1635.51)

MW-5 (1635.48)

MW-6 (1635.05)

MW-7 (1635.04)

MW-1 (1634.86)

1635.40

1635.20

1635.00

MW-4	
Date	6/25/2024
TPH-GRO	<100
TPH-DRO	91.8 J
TPH-HRO	98.4 J
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	0.181 J
Dissolved Lead	--
Total Lead	<2.00

MW-6	
Date	6/25/2024
TPH-GRO	<100
TPH-DRO	<200 Q
TPH-HRO	<250 Q
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	0.308 J
Dissolved Lead	--
Total Lead	<2.00

MW-7	
Date	6/25/2024
TPH-GRO	<100
TPH-DRO	106 J
TPH-HRO	87.8 J
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	0.177 J
Dissolved Lead	--
Total Lead	<2.00

Well ID	
MTCA Method A CUL in µg/L	
TPH-GRO	800/1,000
TPH-DRO	500
TPH-HRO	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Dissolved Lead	15
Total Lead	15

MW-3	
Date	6/25/2024
TPH-GRO	<100
TPH-DRO	102 J
TPH-HRO	242 J
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
Dissolved Lead	--
Total Lead	1.39 J

MW-5	
Date	6/25/2024
TPH-GRO	<100 [<100]
TPH-DRO	<200 [72.1 J]
TPH-HRO	109 J [122 J]
Benzene	<1.00 [<1.00]
Toluene	<1.00 [<1.00]
Ethylbenzene	<1.00 [<1.00]
Total Xylenes	0.222 J [<3.00]
Dissolved Lead	--
Total Lead	<2.00

MW-1	
Date	6/25/2024
TPH-GRO	<100
TPH-DRO	115 J
TPH-HRO	177 J
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
Dissolved Lead	--
Total Lead	<2.00

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- (1,635.53) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- 1635.40 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL THE RESULT VALUES ARE IN MICROGRAMS PER LITER (µg/L)
3. -- = NOT APPLICABLE, NOT AVAILABLE, OR NOT ANALYZED.
4. < = NOT DETECTED AT OR GREATER THAN THE LABORATORY REPORTING LIMIT OR LIMIT OF QUANTITATION.
5. [ ] = DUPLICATE SAMPLE.
6. J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
7. Q = SAMPLE WAS PREPARED AND/OR ANALYZED PAST HOLDING TIME AS DEFINED IN THE METHOD. CONCENTRATIONS SHOULD BE CONSIDERED MINIMUM VALUES.
8. TPH-GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS.
9. TPH-DRO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS.
10. TPH-HRO = TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS.
11. CUL = CLEANUP LEVEL.
12. MTCA = MODEL TOXICS CONTROL ACT.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL MAP JUNE 25, 2024

AECOM

FIGURE 5

C:\Users\SlaveR\AECOM\EC GIS Services - DCS AMERICAS\Chevron\Chevron 300\Washington\LS 115046; 706 South Columbus Avenue, Goldendale\DATA\CAD\3Q AND 2Q\GWMR 2Q2024 and 3Q2024\GEN-OFFSITE-2024-FIG06-CONTOUR_AND_ANALYTICAL MAP-2Q.dwg LAYOUT: 6 SAVED: 8/29/2025
12:39 PM PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/5/2025 1:13 PM BY: SLAVE, RALUCA

EAST BROOKS STREET

SOUTH COLUMBUS AVENUE

SIDEWALK

RESIDENTIAL

COMMERCIAL (FORMER JACK'S GROCERY)

LANDSCAPED / VEGETATION

SHED

PAVED

RESIDENTIAL BUILDING

MW-1 (DRY)

MW-2

MW-3 (1,633.99)

MW-4 (1,634.00)

MW-5 (1,634.01)

MW-6 (1,633.67)

MW-7 (1,633.49)

1634.00

1633.80

1633.60

T1 T2 T3 T4 T5

MW-4	
Date	9/16/2024
TPH-GRO	44.2 B J
TPH-DRO	<200
TPH-HRO	<250
Benzene	<1.00
Toluene	3.58
Ethylbenzene	<1.00
Total Xylenes	<3.00
Total Lead	<2.00
Dissolved Lead	--

MW-6	
Date	9/16/2024
TPH-GRO	78.7 B J
TPH-DRO	116 J
TPH-HRO	<250
Benzene	<1.00
Toluene	31.8
Ethylbenzene	<1.00
Total Xylenes	<3.00
Total Lead	<2.00
Dissolved Lead	--

MW-7	
Date	9/16/2024
TPH-GRO	33.2 B J
TPH-DRO	87.3 J
TPH-HRO	<250
Benzene	<1.00
Toluene	0.344
Ethylbenzene	<1.00
Total Xylenes	<3.00
Total Lead	<2.00
Dissolved Lead	--

MW-3	
Date	9/16/2024
TPH-GRO	37.8 B J
TPH-DRO	82.3 J
TPH-HRO	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
Total Lead	<2.00
Dissolved Lead	--

MW-5	
Date	9/16/2024
TPH-GRO	35.4 B J [32.6 B J]
TPH-DRO	<200 [<200]
TPH-HRO	<250 [250]
Benzene	<1.00 [<1.00]
Toluene	0.657 J [0.747 J]
Ethylbenzene	<1.00 [<1.00]
Total Xylenes	<3.00 [<3.00]
Total Lead	<2.00 [<2.00]
Dissolved Lead	--

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- 1634.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (1,634.01) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- INFERRED GROUNDWATER FLOW DIRECTION
- (DRY) WELL WAS DRY DURING GROUNDWATER MONITORING EVENT

Well ID	
MTCA Method A CUL in µg/L	
TPH-GRO	800/1,000
TPH-DRO	500
TPH-HRO	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Dissolved Lead	15
Total Lead	15

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL THE RESULT VALUES ARE IN MICROGRAMS PER LITER (µg/L)
3. -- = NOT APPLICABLE, NOT AVAILABLE, OR NOT ANALYZED.
4. < = NOT DETECTED AT OR GREATER THAN THE LABORATORY REPORTING LIMIT OR LIMIT OF QUANTITATION.
5. [ ] = DUPLICATE SAMPLE.
6. J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
7. B = THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
8. TPH-GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS.
9. TPH-DRO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS.
10. TPH-HRO = TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS.
11. CUL = CLEANUP LEVEL.
12. MTCA = MODEL TOXICS CONTROL ACT.

0 20' 40'

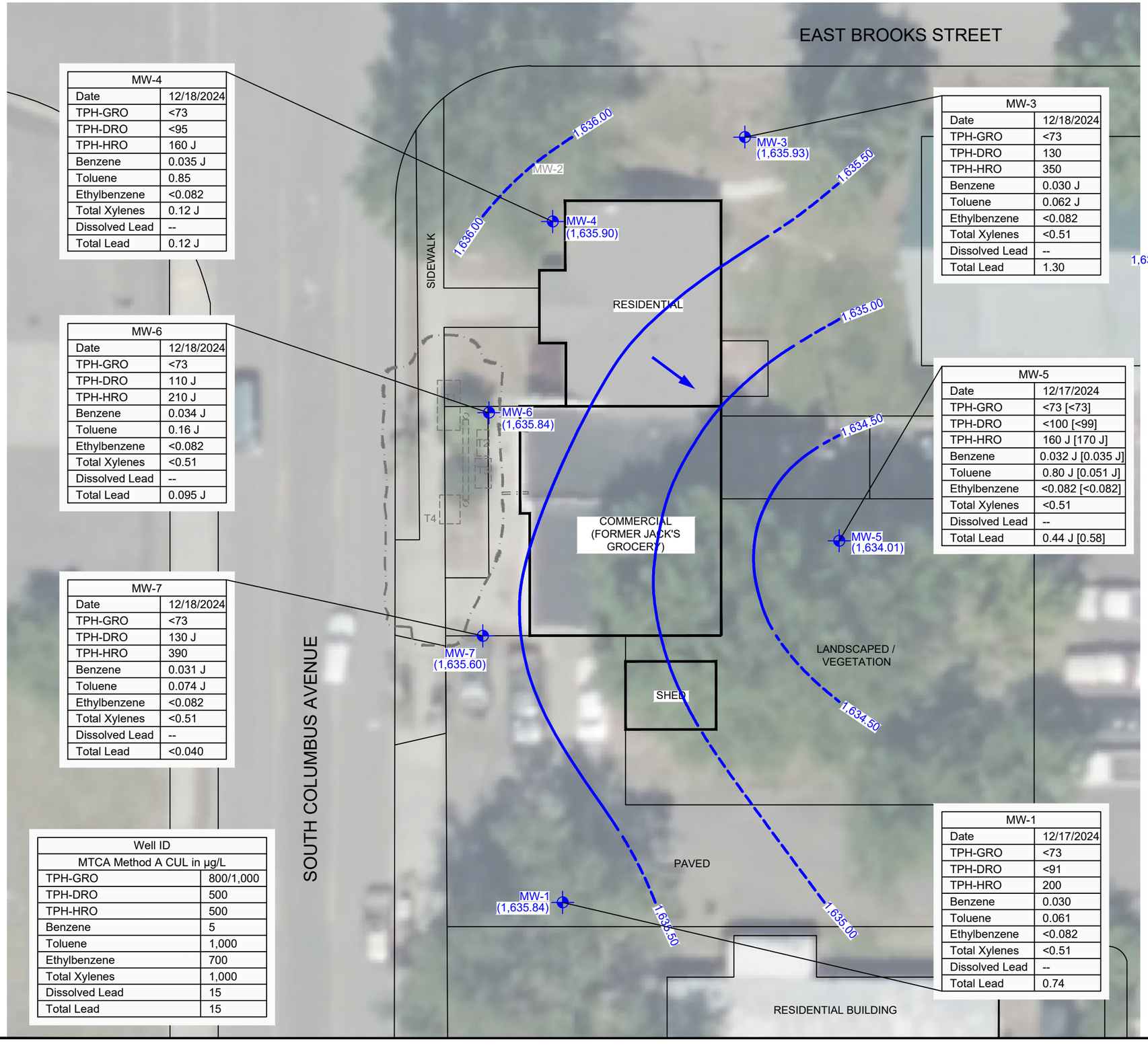
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL MAP SEPTEMBER 16, 2024

AECOM

FIGURE 6



MW-4	
Date	12/18/2024
TPH-GRO	<73
TPH-DRO	<95
TPH-HRO	160 J
Benzene	0.035 J
Toluene	0.85
Ethylbenzene	<0.082
Total Xylenes	0.12 J
Dissolved Lead	--
Total Lead	0.12 J

MW-3	
Date	12/18/2024
TPH-GRO	<73
TPH-DRO	130
TPH-HRO	350
Benzene	0.030 J
Toluene	0.062 J
Ethylbenzene	<0.082
Total Xylenes	<0.51
Dissolved Lead	--
Total Lead	1.30

MW-6	
Date	12/18/2024
TPH-GRO	<73
TPH-DRO	110 J
TPH-HRO	210 J
Benzene	0.034 J
Toluene	0.16 J
Ethylbenzene	<0.082
Total Xylenes	<0.51
Dissolved Lead	--
Total Lead	0.095 J

MW-5	
Date	12/17/2024
TPH-GRO	<73 [<73]
TPH-DRO	<100 [<99]
TPH-HRO	160 J [170 J]
Benzene	0.032 J [0.035 J]
Toluene	0.80 J [0.051 J]
Ethylbenzene	<0.082 [<0.082]
Total Xylenes	<0.51
Dissolved Lead	--
Total Lead	0.44 J [0.58]

MW-7	
Date	12/18/2024
TPH-GRO	<73
TPH-DRO	130 J
TPH-HRO	390
Benzene	0.031 J
Toluene	0.074 J
Ethylbenzene	<0.082
Total Xylenes	<0.51
Dissolved Lead	--
Total Lead	<0.040

MW-1	
Date	12/17/2024
TPH-GRO	<73
TPH-DRO	<91
TPH-HRO	200
Benzene	0.030
Toluene	0.061
Ethylbenzene	<0.082
Total Xylenes	<0.51
Dissolved Lead	--
Total Lead	0.74

Well ID	
MTCA Method A CUL in µg/L	
TPH-GRO	800/1,000
TPH-DRO	500
TPH-HRO	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Dissolved Lead	15
Total Lead	15

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- (1,635.93) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- 1,635.50 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL THE RESULT VALUES ARE IN MICROGRAMS PER LITER (µg/L)
3. -- = NOT APPLICABLE, NOT AVAILABLE, OR NOT ANALYZED.
4. < = NOT DETECTED AT OR GREATER THAN THE LABORATORY REPORTING LIMIT OR LIMIT OF QUANTITATION.
5. [ ] = DUPLICATE SAMPLE.
6. J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
7. TPH-GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS.
8. TPH-DRO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS.
9. TPH-HRO = TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS.
11. CUL = CLEANUP LEVEL.
12. MTCA = MODEL TOXICS CONTROL ACT.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL MAP DECEMBER 17-18, 2024

AECOM

FIGURE 7

C:\Users\SlaveR\AECOM\Chevron North America - Chevron 300\Project Documents\WA Non-PL\ALS-115046 - Goldendale\900_CAD_GIS\910_CAD\GMWR 4Q2024\GEN-OFFSITE-FORMER JACKS GROCERY-2024-FIG04-CONTOUR_AND_ANLYTICAL MAP.dwg LAYOUT: 4 SAVED: 8/29/2025 12:39 PM
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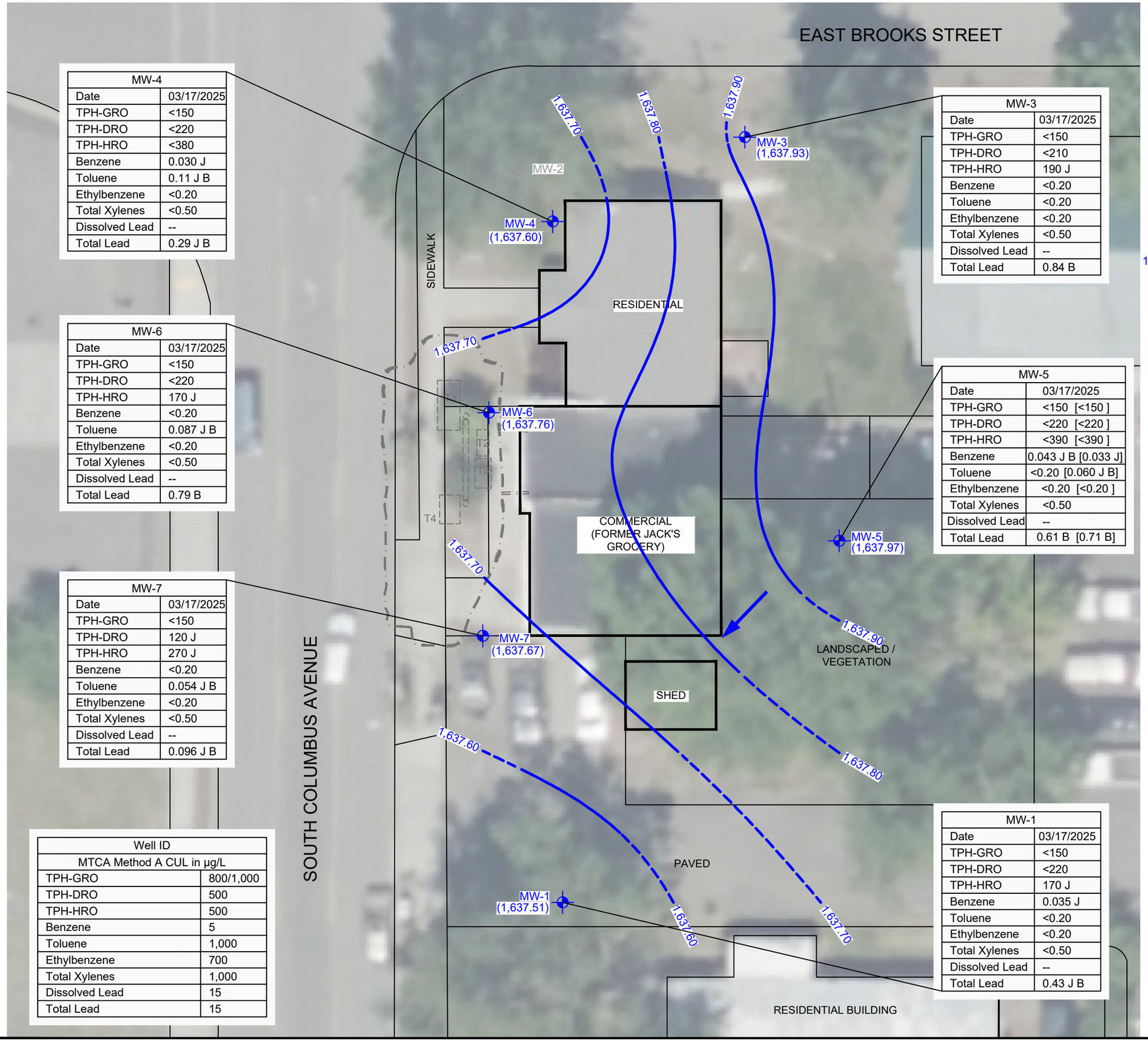

MW-4	
Date	03/17/2025
TPH-GRO	<150
TPH-DRO	<220
TPH-HRO	<380
Benzene	0.030 J
Toluene	0.11 J B
Ethylbenzene	<0.20
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.29 J B

MW-3	
Date	03/17/2025
TPH-GRO	<150
TPH-DRO	<210
TPH-HRO	190 J
Benzene	<0.20
Toluene	<0.20
Ethylbenzene	<0.20
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.84 B

MW-6	
Date	03/17/2025
TPH-GRO	<150
TPH-DRO	<220
TPH-HRO	170 J
Benzene	<0.20
Toluene	0.087 J B
Ethylbenzene	<0.20
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.79 B

MW-5	
Date	03/17/2025
TPH-GRO	<150 [<150]
TPH-DRO	<220 [<220]
TPH-HRO	<390 [<390]
Benzene	0.043 J B [0.033 J]
Toluene	<0.20 [0.060 J B]
Ethylbenzene	<0.20 [<0.20]
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.61 B [0.71 B]

MW-7	
Date	03/17/2025
TPH-GRO	<150
TPH-DRO	120 J
TPH-HRO	270 J
Benzene	<0.20
Toluene	0.054 J B
Ethylbenzene	<0.20
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.096 J B

MW-1	
Date	03/17/2025
TPH-GRO	<150
TPH-DRO	<220
TPH-HRO	170 J
Benzene	0.035 J
Toluene	<0.20
Ethylbenzene	<0.20
Total Xylenes	<0.50
Dissolved Lead	--
Total Lead	0.43 J B

Well ID	
MTCA Method A CUL in µg/L	
TPH-GRO	800/1,000
TPH-DRO	500
TPH-HRO	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Dissolved Lead	15
Total Lead	15

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- (1,637.97) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- 1,637.95 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL THE RESULT VALUES ARE IN MICROGRAMS PER LITER (µg/L)
3. -- = NOT APPLICABLE, NOT AVAILABLE, OR NOT ANALYZED.
4. < = NOT DETECTED AT OR GREATER THAN THE LABORATORY REPORTING LIMIT OR LIMIT OF QUANTITATION.
5. [ ] = DUPLICATE SAMPLE.
6. J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
7. TPH-GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS.
8. TPH-DRO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS.
9. TPH-HRO = TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS.
11. CUL = CLEANUP LEVEL.
12. MTCA = MODEL TOXICS CONTROL ACT.
13. BOLD values are nondetect below the laboratory reporting limit, but the reporting limit is greater than the MTCA Method A CUL.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL MAP MARCH 17, 2025

AECOM

FIGURE 8

C:\Users\SlaveR\AECOM\Chevron North America - Chevron 300\Project Documents\WA Non-PLIALS-115046 - Goldendale\900_CAD_GIS\910_CADGWMR 1Q2025\GEN-OFFSITE-FORMER JACKS GROCERY-2025-FIG08-CONTOUR_AND_ANLYTICAL MAP.dwg LAYOUT: 4 SAVED: 8/29/2025 1:03 PM
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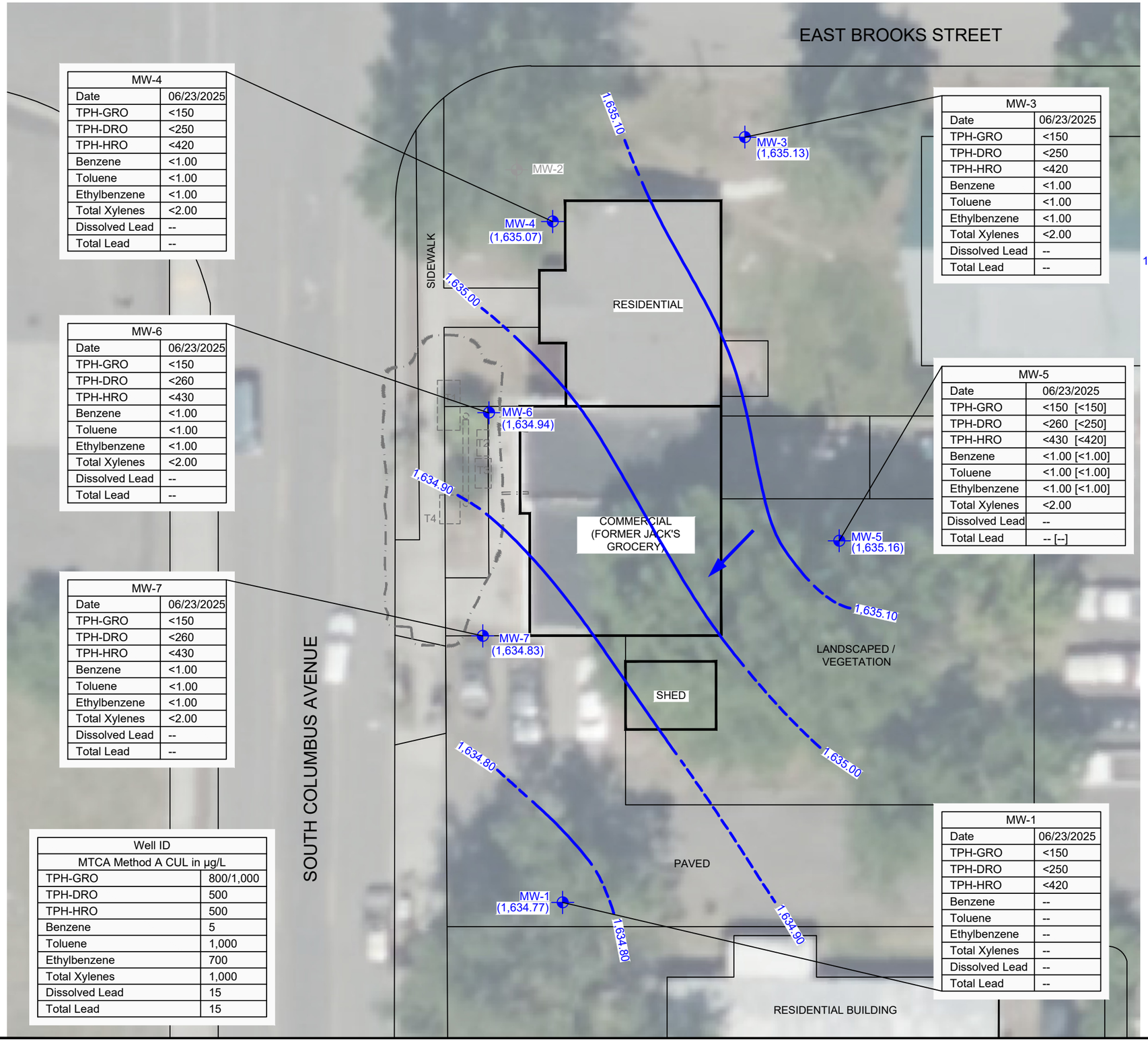


MW-4	
Date	06/23/2025
TPH-GRO	<150
TPH-DRO	<250
TPH-HRO	<420
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<2.00
Dissolved Lead	--
Total Lead	--

MW-3	
Date	06/23/2025
TPH-GRO	<150
TPH-DRO	<250
TPH-HRO	<420
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<2.00
Dissolved Lead	--
Total Lead	--

MW-6	
Date	06/23/2025
TPH-GRO	<150
TPH-DRO	<260
TPH-HRO	<430
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<2.00
Dissolved Lead	--
Total Lead	--

MW-5	
Date	06/23/2025
TPH-GRO	<150 [<150]
TPH-DRO	<260 [<250]
TPH-HRO	<430 [<420]
Benzene	<1.00 [<1.00]
Toluene	<1.00 [<1.00]
Ethylbenzene	<1.00 [<1.00]
Total Xylenes	<2.00
Dissolved Lead	--
Total Lead	-- [--]

MW-7	
Date	06/23/2025
TPH-GRO	<150
TPH-DRO	<260
TPH-HRO	<430
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<2.00
Dissolved Lead	--
Total Lead	--

MW-1	
Date	06/23/2025
TPH-GRO	<150
TPH-DRO	<250
TPH-HRO	<420
Benzene	--
Toluene	--
Ethylbenzene	--
Total Xylenes	--
Dissolved Lead	--
Total Lead	--

Well ID	
MTCA Method A CUL in µg/L	
TPH-GRO	800/1,000
TPH-DRO	500
TPH-HRO	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Dissolved Lead	15
Total Lead	15

N

LEGEND:

- MONITORING WELL
- ABANDONED WELL
- FORMER UNDERGROUND STORAGE TANK
- FORMER EXCAVATION AREA (AUGUST 1992)
- (1,635.13) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- 1,635.10 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL THE RESULT VALUES ARE IN MICROGRAMS PER LITER (µg/L)
3. -- = NOT APPLICABLE, NOT AVAILABLE, OR NOT ANALYZED.
4. < = NOT DETECTED AT OR GREATER THAN THE LABORATORY REPORTING LIMIT OR LIMIT OF QUANTITATION.
5. [ ] = DUPLICATE SAMPLE.
6. TPH-GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS.
7. TPH-DRO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS.
8. TPH-HRO = TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS.
9. CUL = CLEANUP LEVEL.
10. MTCA = MODEL TOXICS CONTROL ACT.

0 20' 40'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER JACKS GROCERY
706 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL MAP JUNE 23, 2025

AECOM

FIGURE 9

C:\Users\SlaveR\AECOM\Chevron North America - Chevron 300\Project Documents\WA Non-PLIALS-115046 - Goldendale\900_CAD_GIS\910_CADGWMR 2Q2025\GEN-OFFSITE-FORMER JACKS GROCERY-2025-FIG08-CONTOUR_AND_ANLYTICAL MAP.dwg LAYOUT: 4 SAVED: 8/29/2025 12:39 PM
PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/5/2025 1:46 PM BY: SLAVE, RALUCA

Tables

Table 1
Groundwater Gauging Data and Select Analytical Data
Former Jacks Grocery
706 Columbus Avenue
Goldendale, Washington

					Total Petroleum Hydrocarbons (µg/L)					Primary VOCs (µg/L)									Total Metals (µg/L)	
Well ID	Sample Date	TOC	DTW	GWE	GRO	DRO	HRO	DRO with SGC	HRO with SGC	Benzene	Toluene	Ethylbenzene	M-&P-Xylene	O-Xylene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MTCA Method A CUL					800/1,000	500	500	500	500	5	1000	700			1000	20	0.01	5	15	15
MW-1	6/25/2024	1,639.55	4.69	1,634.86	<100	115 J	177 J			<1.00	<1.00	<1.00			<3.00	<1.00	<1.00	<1.00		--
	09/16/2024	1,639.55	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/17/2024	1,639.55	3.71	1,635.84	<150	<200	200 J	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	<0.51	<0.30	<0.15	<0.25	--	0.74
	03/17/2025	1,639.55	2.04	1637.51	<150	<220	170 J	<220	< 390	0.035 J	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	<0.50
	06/23/2025	1,639.55	4.78	1634.77	<150	<250	<420										<0.010			<0.50
MW-3	6/25/2024	1,639.93	4.4	1635.53	<100	102 J	242 J			<1.00	<1.00	<1.00			<3.00	<1.00	<1.00	<1.00		1.39 J
	9/16/2024	1,639.93	5.94	1,633.99	37.8 J	82.3 J	<250	82.3 J	<250	<1	<1	<1	--	--	<3	<1	<0.0204	<1	--	<2
	12/18/2024	1,639.93	4.00	1,635.93	<150	130 J	350 J	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	--	<0.30	<0.15	<0.25	--	1.3
	03/17/2025	1,639.93	2.00	1637.93	<150	<210	190 J	<210	<360	<0.20	<0.20	<0.20	<0.50	<0.50	--	0.087 J	<0.010	<0.25	--	0.84 J
	06/23/2025	1,639.93	4.80	1635.13	<150	<250	<420			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50
MW-4	6/25/2024	1,639.69	4.18	1635.51	<100	91.8 J	98.4 J			<1.00	<1.00	<1.00			0.181 J	<1.00	<1.00	<1.00		<2.00
	9/16/2024	1,639.69	5.69	1,634.00	44.2 J	<200	<250	<200	<250	<1	3.6	<1	--	--	<3	<1	<0.0208	<1	--	<2
	12/18/2024	1,639.69	3.79	1,635.90	<150	<210	160 J	NA	NA	<0.20	0.85	<0.20	0.12 J	<0.51	--	<0.30	<0.15	<0.25	--	0.12 J
	03/17/2025	1,639.69	2.09	1637.60	<150	<220	<380	<220	<380	0.030 J	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	<0.50
	06/23/2025	1,639.69	4.62	1635.07	<150	<250	<420			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50
MW-5	6/25/2024	1,639.30	3.82	1635.48	<100	<200	109 J			<1.00	<1.00	<1.00			0.222 J	<1.00	<1.00	<1.00		<2.00
Duplicate	6/25/2024	1,639.30	3.82	1635.48	<100	72.1 J	122 J			<1.00	<1.00	<1.00			<3.00	<1.00	<1.00	<1.00		<2.00
	9/16/2024	1,639.30	5.29	1,634.01	35.4 J	<200	<250	<200	<250	<1	0.657 J	<1	--	--	<3	<1	<0.0206	<1	--	<2
Duplicate	9/16/2024	1,639.30	5.29	1,634.01	32.6 J	<200	<250	<200	<250	<1	0.747 J	<1	--	--	<3	<1	<0.0200	<1	--	<2
	12/17/2024	1,639.30	2.64	1,634.01	<150	<220	160 J	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	--	<0.30	<0.15	<0.25	--	0.44 J
Duplicate	12/17/2024	1,639.30	2.64	1,634.01	<150	<220	170 J	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	--	<0.30	<0.15	<0.25	--	0.58
	03/17/2025	1,639.30	1.33	1637.97	<150	<220	<390	<220	<390	<0.20	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	0.61 J
Duplicate	03/17/2025	1,639.30	1.33	1637.97	<150	<220	<390	<220	<390	0.033 J	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	0.71 J
	06/23/2025	1,639.30	4.14	1635.16	<150	<260	<430			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50
Duplicate	06/23/2025	1,639.30	4.14	1635.16	<150	<250	<420			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50
MW-6	6/25/2024	1,640.37	5.32	1635.05	<100	<200 Q	<250 Q			<1.00	<1.00	<1.00			0.308 J	<1.00 J4	<1.00	<1.00		<2.00
	9/16/2024	1,640.37	6.70	1,633.67	78.7 J	116 J	<250	116 J	<250	<1	31.8	<1	--	--	<3	<1	<0.0204	<1	--	<2
	12/18/2024	1,640.37	4.53	1,635.84	<150	110 J	210 J	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	--	<0.30	<0.15	<0.25	--	0.095 J
	03/17/2025	1,640.37	2.61	1637.76	<150	<220	170 J	<220	<380	<0.20	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	0.79 J
	06/23/2025	1,640.37	5.43	1634.94	<150	<260	<430			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50
MW-7	6/25/2024	1,640.19	5.15	1635.04	<100	106 J	87.8 J			<1.00	<1.00	<1.00			0.177 J	<1.00 J4	<1.00	<1.00		<2.00
	9/16/2024	1,640.19	6.70	1,633.49	33.2J	87.3 J	<250	87.3 J	<250	<1	0.344 J	<1	--	--	<3	<1	<0.0200	<1	--	<2
	12/18/2024	1,640.19	4.59	1,635.60	<150	130 J	390	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.51	--	<0.30	<0.15	<0.25	--	<0.040
	03/17/2025	1,640.19	2.52	1637.67	<150	120 J	270 J	<230	<400	<0.20	<0.20	<0.20	<0.50	<0.50	--	<0.30	<0.010	<0.25	--	<0.50
	06/23/2025	1,640.19	5.36	1634.83	<150	<260	<430			<1.00	<1.00	<1.00	<2.0	<1.0			<0.010			<0.50

Notes:
1. Analytical results are presented in micrograms per liter (µg/L)
2. 800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L.
3. Underline values are nondetect below the laboratory reporting limit, but the reporting limit is greater than the MTCA Method A CUL.
4. **BOLD** values are detected values greater than the MTCA Method A CUL.

Data obtained from previous consultants, not independently reviewed or verified by AECOM, unless otherwise stated.

Acronyms and Abbreviations:
-- = not applicable, not available, or not analyzed
< = not detected at or greater than the laboratory reporting limit or limit of quantitation
CUL = cleanup level
DRO = total petroleum hydrocarbons as diesel-range organics

Acronyms and Abbreviations:
DTW = depth to water in feet below top of casing
EDB = ethylene dibromide
GRO = total petroleum hydrocarbons as gasoline-range organics
GWE = groundwater elevation
HRO = total petroleum hydrocarbons as heavy oil range organics
J = The identification of the analyte is acceptable; the reported value is an estimate.
MTCA = Model Toxics Control Act
NA = not analyzed
ND = non-detect; laboratory reporting limit not available
SGC = silica gel cleanup
TOC = top of casing
VOCs = Total Volatile Organic Compounds

Table 2
Soil Sampling Data and Select Analytical Data
Former Jacks Grocery
706 Columbus Avenue
Goldendale, Washington

			Total Petroleum Hydrocarbons (mg/kg)			Primary VOCs (mg/kg)						SVOCs (mg/kg)	Total Metals (mg/kg)	
Sample Location	Date	Sample Depth	GRO	DRO	HRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Naphthalene	Total Lead	Comments
		MTCA Method A CUL	30/100	2,000	2,000	0.03	7	6	9	0.005	--		250	
Underground Storage Tank Site Assessment – Robert D. Miller Consulting														
Sample #1A @	7/17/1992	6.00	<20	<50	<100	--	--	--	--	--	--	--	--	
Sample #1B @	7/17/1992	6.00	<20	<50	<100	--	--	--	--	--	--	--	--	
Sample #2 @ T2 &	7/17/1992	7.50	<20	<50	<100	--	--	--	--	<0.05	<0.05	--	<3.	
Sample #3 @ T1	7/17/1992	6.50	2,800	<50	<100	<0.05	25	13	56	<0.05	<0.05	--	16	
Corrective Action Progress Report – Robert D. Miller Consulting														
Sample #1-NW	8/14/1992	6.50	496	--	--	--	--	--	--	--	--	--	<0.	
Sample #2-W	8/14/1992	6.25	2.0	--	--	--	--	--	--	--	--	--	--	
Sample #3-NE	8/14/1992	5.50	<20	--	--	--	--	--	--	--	--	--	--	
Sample #4-E	8/14/1992	5.75	3.0	--	--	--	--	--	--	--	--	--	--	
Sample #5-SE	8/14/1992	6.00	478	--	--	--	--	--	--	--	--	--	--	
Sample #6-S	8/14/1992	6.00	348	--	--	--	--	--	--	--	--	--	--	
Sample #7-SW	8/14/1992	5.50	<20	--	--	--	--	--	--	--	--	--	--	
Sample #8-E	8/14/1992	8.00	<20	--	--	--	--	--	--	--	--	--	--	
Sample #9-W	8/14/1992	8.00	<20	--	--	--	--	--	--	--	--	--	--	
Sample #11-NW	8/18/1992	5.00	<20	--	--	--	--	--	--	--	--	--	--	
Sample #12-NE	8/31/1992	5.50	<5.0	--	--	--	--	--	--	--	--	--	--	
Sample #13-E	8/31/1992	6.00	<5.0	--	--	--	--	--	--	--	--	--	--	
Sample #14-NE	8/31/1992	6.50	30	--	--	--	--	--	--	--	--	--	--	
Post-Treatment Stockpile Soil Samples – Robert D. Miller Consulting [7]														
Sample #15	10/23/1992	--	<20	--	--	--	--	--	--	--	--	--	--	Stockpile sample
Sample #16	10/23/1992	--	<20	--	--	--	--	--	--	--	--	--	--	Stockpile sample
Sample #17	10/23/1992	--	<20	--	--	--	--	--	--	--	--	--	--	Stockpile sample
Sample #18	10/23/1992	--	<20	--	--	--	--	--	--	--	--	--	--	Stockpile sample
														Stockpile sample
Site Check – Robert D. Miller Consulting														
Boring 1	5/27/1995	6.25	<13	32	<100	--	--	--	--	--	--	--		
Boring 2	5/27/1995	5.25	<13	<13	<100	--	--	--	--	--	--	--		
Partial Sufficiency and Further Action Determination – Robert D. Miller Consulting														
B1-C	10/15/2007	6.75	<20	--	--	<0.04	<0.10	<0.20	0.47	--	--	--	12	
B2-A	10/15/2007	7.00	23	--	--	<0.04	<0.10	<0.20	<0.40	--	--	<2.0	--	
B3-B	10/15/2007	7.50	82	--	--	<0.04	<0.10	<0.20	<0.40	--	--	<2.0	--	

Table 2
Soil Sampling Data and Select Analytical Data
Former Jacks Grocery
706 Columbus Avenue
Goldendale, Washington

			Total Petroleum Hydrocarbons (mg/kg)			Primary VOCs (mg/kg)						SVOCs (mg/kg)	Total Metals (mg/kg)	
Sample Location	Date	Sample Depth	GRO	DRO	HRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Naphthalene	Total Lead	Comments
		MTCA Method A CUL	30/100	2,000	2,000	0.03	7	6	9	0.005	--		250	
2024 Groundwater Assessment - Arcadis														
MW-4	6/11/2024	4.5-5	1.90 B J	<1.75	<4.39	<0.000793	0.00231 J	<0.00125	0.00246 J	<0.001	<0.001		9.96	
MW-4	6/11/2024	8-8.5	1.42 B J	<4.16	<4.16	<0.000723	<0.00201	<0.00114	<0.0136	<0.001	<0.001		9.77	
MW-5	6/12/2024	4.5-5	2.68 B J	<1.75	<4.39	<0.000788	<0.00219	<0.00124	<0.00149	<0.00109	0.0011		10.6	
MW-5 (DUP-2)	6/12/2024	4.5-5	2.05 B J	<1.76	<4.40	<0.000796	0.00423 J	<0.00126	0.00349 J	<0.001100	<0.00111		11.1	
MW-5	6/12/2024	6.5-7	1.41 B J	<1.67	<4.17	<0.000748	<0.00208	<0.00118	<0.00141	<0.00104	<0.00104		8.92	
MW-6	6/11/2024	6-7	<1.27	<1.61	<4.03	<0.000698	0.00232 J	<0.0011	<0.00135	<0.000969	<0.000971		13	
MW-6	6/11/2024	7-8	1.65 B J	3.64 J	4.56 J	0.00107 J	0.00815	0.00189 J	0.00711 J	<0.00102	<0.00102		9.64	
MW-7	6/12/2024	4.5-5	2.50 B J	<1.69	<4.24	<0.000748	0.00599 J	<0.00118	0.00455	<0.00104	<0.00104		10.4	
MW-7 (DUP-1)	6/12/2024	4.5-5	2.19 B J	<1.83	<4.57	<0.000856	<0.00241	<0.00137	<0.00137	<0.00120	<0.00120		11.3	
MW-7	6/12/2024	7.5-8	<1.35	<1.68	5.03 J	<0.000745	0.00233 J	<0.00118	0.00185 J	<0.00103	<0.00104		15.5	
SB-1	6/11/2024	6-7	1.69 B J	<1.71	<4.29	<0.00077	<0.00214	<0.00121	<0.00145	<0.00107	<0.00107	<0.00526	10.3	
SB-1	6/11/2024	8-9	2.65 B J	<1.47	<3.67	<0.000563	<0.00157	<0.000888	<0.00106	<0.000781	<0.000782	0.00929 J	15.4	
SB-2	6/11/2024	4.5-5	1.56 B J	11.6	71.4	<0.000651	0.00225 J	0.00255 J	0.0163	<0.000904	0.000905 C3	<0.00477	16	
SB-2	6/11/2024	7-8	2.40 B J	7.1	4.60 J	<0.000680	0.00611 J	<0.00107	0.00469 J	<0.000944	<0.000946 C3	<0.00490	11	
SB-3	6/12/2024	4.5-5	<1.24	14.7	11.9 J	<0.000684	0.00555 J	<0.00108	0.00307 J	<0.000949	0.00950 C3	<0.00513	10.8	
SB-3	6/12/2024	9.5-10	1.11 B J	<1.50	<3.76	<0.000601	0.00484 J	<0.000948	0.00270 J	<0.000834	<0.000835 C3	<0.00483	15.6	

Notes:

1. Analytical results are presented in milligram per kilogram (mg/kg).
2. **BOLD** values are greater than their respective MTCA Method A CUL.
3. Underlined values are nondetect, but the method detection limit is greater than the MTCA Method A CUL.
4. Sample depth measured in feet below ground surface.
5. Sample locations in gray have been overexcavated.
6. GRO MTCA Method A CUL with benzene present is 30 mg/kg and without benzene present is 100 mg/kg.
7. Excavated soils were transported to the Glenn McClaskey Ranch for treatment and then sampled.

Data obtained from previous consultants, not independently reveiwed or verified by AECOM, unless otherwise stated.

Acronyms and Abbreviations:

-- = not applicable, not available, or not analyzed
< = not detected at or greater than the laboratory reporting limit or method detection limit
CEMC = Chevron Environmental Management Company
CUL = cleanup level
DRO = total petroleum hydrocarbons as diesel-range organics
DUP = duplicate sample
EDB = ethylene dibromide
EDC = 1,2-dibromoethane
GRO = total petroleum hydrocarbons as gasoline-range organics
HRO = total petroleum hydrocarbons as heavy oil range organics
MTCA = Model Toxics Control Act Cleanup
SVOCs = semi-volatile organic compounds
USEPA = United States Environmental Protection Agency B = The same analyte is found in the associated blank
VOCs = volatile organic compounds
J = The Identification of the analyte is acceptable; values are outside upper range for precision
C3 = The Reported concentration is an estimate. The continuing calibration standard associated with this data responded low.
Method sensitivity check is acceptable

Appendices

WELL GAUGING DATA

Project # 241217-KC2 Date 12/17/24 Client AECOM

Site 706 S Columbus Ave, Goldendale WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	Notes
MW-1	1412	2	—	—	—	—	3.71	6.25		
MW-3	1403	2	—	—	—	—	4.00	7.74		
MW-4	1405	2	—	—	—	—	3.79	8.23		
MW-5	1400	2	—	—	—	—	2.64	7.20		
MW-6	1407	2	—	—	—	—	4.53	8.18		
MW-7	1409	2	—	—	—	—	4.59	~~8~~ 7.95	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC1	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 6.25	Depth to Water (ft.): 3.71
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1518 Flow Rate: 200 ml/min Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1521	6.82	6.12	589	24	1.26	52.1	600	3.71
1524	6.79	6.09	588	20	1.22	59.8	1200	3.71
1527	6.74	6.08	588	19	1.19	65.3	1800	3.73
1530	6.63	6.02	588	19	1.20	69.2	2400	3.73
1533	6.65	5.99	588	18	1.19	73.1	3000	3.73

Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 1536 Sampling Date: 12/17/24

Sample I.D.: MW-1-W-20241217 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC2	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 7.74	Depth to Water (ft.): 4.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: (Dedicated) Tubing New Tubing Other ___

Start Purge Time: 0943 Flow Rate: 200 ml/min Pump Depth: 6'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0946	9.59	5.38	438	41	1.25	99.8	600	4.00
0949	9.65	5.46	461	38	1.21	91.6	1200	4.00
0952	9.61	5.50	463	39	1.17	90.2	1800	4.03
0955	9.52	5.49	465	37	1.15	88.1	2400	4.03
0958	9.48	5.47	464	34	1.16	87.2	3000	4.05

Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1001 Sampling Date: 12/18/24

Sample I.D.: MW-3-W-20241218 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC1	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 8.23	Depth to Water (ft.): 3.79
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

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

Start Purge Time: 0912 Flow Rate: 200 ml/min Pump Depth: 6.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0915	9.16	5.36	376	24	1.22	100.7	600	3.84
0918	8.68	5.49	379	27	1.16	91.0	1200	3.87
0921	8.53	5.50	378	25	1.14	88.3	1800	3.90
0924	8.64	5.51	380	23	1.13	87.1	2400	3.92
0929	8.69	5.51	382	23	1.13	85.8	3000	3.96

Did well dewater? Yes (No) Amount actually evacuated: 3000ml

Sampling Time: 0930 Sampling Date: 12/18/24

Sample I.D.: MW-4-W-20241218*** Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC1	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 7.20	Depth to Water (ft.): 2.64
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1430 Flow Rate: 200 ml / min Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1433	8.73	6.52	348	22	1.27	51.7	600	2.66
1436	8.51	6.54	348	20	1.21	46.9	1200	2.69
1439	8.36	6.55	347	21	1.19	48.2	1800	2.73
1442	8.23	6.54	347	21	1.18	47.9	2400	2.75
1445	8.19	6.53	346	20	1.18	47.2	3000	2.76

Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 1448 Sampling Date: 12/17/24

Sample I.D.: MW-5-W-20241217 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SC CCR

Equipment Blank I.D.: @ Time Duplicate I.D.: BD-W-20241217

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC1	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 8.18	Depth to Water (ft.): 4.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 0839 Flow Rate: 200 ml/min Pump Depth: 6.51

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (ml))	Depth to Water (ft.)
0842	10.42	5.63	318	31	1.22	98.9	600	4.53
0845	9.79	5.68	324	26	1.17	89.5	1200	4.53
0848	9.72	5.67	330	25	1.14	87.5	1800	4.53
0851	9.71	5.68	332	26	1.13	86.9	2400	4.53
0854	9.65	5.67	333	26	1.13	85.8	3000	4.53

Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 0857 Sampling Date: 12/18/24

Sample I.D.: MW-6-W-20241218 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 241217-KC1	Client: AECOM
Sampler: KC	Gauging Date: 12/17/24
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 7.95	Depth to Water (ft.): 4.59
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

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

Start Purge Time: 0812 Flow Rate: 200 mL/min Pump Depth: 6.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0815	9.93	5.92	431	14	1.28	98.9	600	4.61
0818	9.58	5.99	430	13	1.23	94.8	1200	4.64
0821	9.31	5.95	429	11	1.20	94.2	1800	4.66
0824	9.22	5.93	429	10	1.20	93.2	2400	4.68
0827	9.15	5.92	428	11	1.20	93.7	3000	4.71

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 0830 Sampling Date: 12/18/24

Sample I.D.: MW-7-W-20241218 Laboratory: TA

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

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

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Renee Knecht**		COC No:
AECOM	Email: renee.knecht@aecom.com	Site Contact:	Date: 12/18/24 — 1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:	Lab Contact:	Carrier: Y — TALS Project #:
Seattle, WA 98101	**Analysis Turnaround Time**		Sampler: Kendra Cutler
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
	TAT if different from Below _____		Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☒ 2 weeks		Lab Sampling:
Site: 706 s Columbus St, Goldendale, WA	☐ 1 week		Job / SDG No.:
P O #	☐ 2 days		
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	EDB (8011)	NWTPH-Dx / HO	Total Lead (6020)	SVOCs (8270)	Sample Specific Notes:
MW-1-W-20241217	12/17/24	1536	G	GW	11	N	N	X	X	X	X	X		
MW-3-W-20241218	12/18/24	1001			11	N	N	X	X	X	X	X		
MW-4-W-20241218	12/18/24	0930			11	N	N	X	X	X	X	X		
MW-5-W-20241217	12/17/24	1448			11	N	N	X	X	X	X	X		
MW-6-W-20241218	12/18/24	0857			11	N	N	X	X	X	X	X		
MW-7-W-20241218	12/18/24	0830			11	N	N	X	X	X	X	X		
BD-W-20241217	12/17/24	1200			11	N	N	X	X	X	X	X		
TB-W-20241218	12/18/24	0900	↓	↓	2	N	N		X					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company: BTS	Date/Time: 12/20/24 1135	Received by:	Company: EETA	Date/Time: 12-20-24 1135
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

WELLHEAD INSPECTION FORM

Client: AECOM Site: 87065 Columbus Ave Date: 12/17/24

Job #: 241217-KL1 Technician: KL Page 1 of 1

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

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 706 S Columbus Ave				PROJECT NUMBER 241217-kc1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460001100\	TR-KC 12/17/24 @ 0650	PH 4 7 10	3.93 6.94 10.02	✓	18.8	KC
			cond. 3900 ORP. 237.5 D.O. 100	3892 238.2 90	✓	18.8	KC
HANNA	07460001100\	12/18/24 @ 0710	PH 4 7 10	3.96 6.92 10.03	✓	17.1	KC
			cond. 3900 ORP. 237.5 D.O. 100	3798 238.2 90	✓	17.1	KC

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

LS115046 — CHEVRON #

Renee Knecht — Chevron Project Manager

706 S Columbus Ave, Goldendale WA

Street number / street name / city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	\		
MW-3	\		
MW-4	\		
MW-5	\		
MW-6	\		
MW-7	\		

added equip. rinse water 10.2

any other adjustments

TOTAL GALS. RECOVERED 6.2

loaded onto BTS vehicle # 148

BTS event # 241217-EC7 — time 11 00 — date 12/17/24

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: AECOM Date 12/17/24

Site Address: ~~705~~ 706 S Columbus Ave, Goldendale

Job Number: 241217-KC1 Technician(s): KC

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority:	Kendra Cutler	Tech	12/17/24	0700
	Name	Title	Date	Time

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

March 20, 2025

AECOM
Renee Knecht
1111 Third Ave, Suite 1600
Seattle, WA 98101

First Quarter 2025 Monitoring at
Site Number LS-115046
706 S Columbus St
Goldendale, WA

Monitoring performed on March 17, 2025

Blaine Tech Services, Inc. Groundwater Monitoring Event 250317-KC1

This submission covers the routine monitoring of groundwater wells conducted on March 17, 2025 at this location. Six monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Six monitoring wells were sampled. All sampling activities were performed in accordance with local, state, and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water level meter or oil-water interface detector. All sampled wells were sampled utilizing the Low-flow Sampling Method. Purging was accomplished using peristaltic pumps, bladder pumps, electric submersible pumps, positive air-displacement pumps. All reused equipment was decontaminated with de-ionized water and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Eurofins TA for analysis. Monitoring well purge water and equipment rinsate water was collected and transported under bill of lading to Blaine Tech Services, Inc.'s yard in Auburn, WA, and bulked for future transportation (within 90 days) under non-hazardous manifest for disposal at Evoqua Water Technologies, a licensed facility.

SAN JOSE 1680 ROGERS AVENUE SAN JOSE, CA | SACRAMENTO (408) 573-0555 | LOS ANGELES FAX (408) 573-7771 | SAN DIEGO LIC. 746684 | SEATTLE WWW.BLAINETECH.COM

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Chain-of-Custody, Well Inspection Sheet, Calibration Log, Bill of lading, and Permit to Work.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,

Diana Ojeda
Blaine Tech Services, Inc
Project Manager

Attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody Forms
Wellhead Inspection Form
Wellhead Inspection Photos
Calibration Log
Bill of lading
Permit to Work

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

WELL GAUGING DATA

Project # 250317-KC1 Date 3/17/25 Client AECOM

Site 706 S Columbus Ave, Goldendale WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1143	2	—	—	—	—	2.04	6.25		
MW-3	1155	2	—	—	—	—	2.00	7.75		
MW-4	1153	2	—	—	—	—	2.29	8.23		
MW-5	1140	2	—	—	—	—	1.33	7.20		
MW-6	1149	2	—	—	—	—	2.61	8.17		
MW-7	1146	2	—	—	—	—	2.52	7.98	↓	

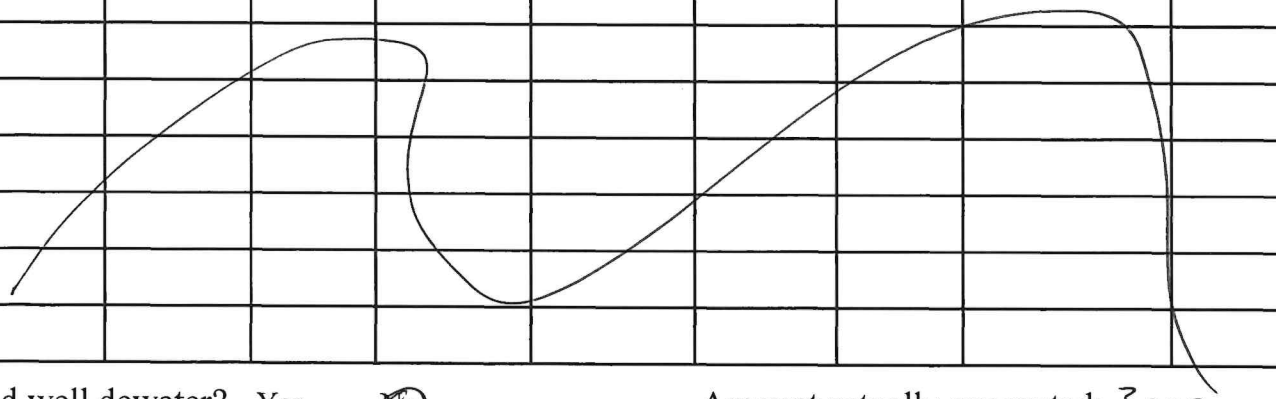
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KC1	Client: AECOM
Sampler: KC	Gauging Date: 3/17/25
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): ~~2.04~~ KC 6.25	Depth to Water (ft.): ~~6.25~~ KC 2.04
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

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

Start Purge Time: 1235 Flow Rate: 200 ml/min Pump Depth: 4.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1238	7.13	8.73	421	19	0.58	13.1	600	2.08
1241	7.53	8.73	418	18	0.46	9.3	1200	2.08
1244	7.61	8.73	411	15	0.39	6.5	1800	2.10
1247	7.72	8.76	412	14	0.38	5.4	2400	2.12
1250	7.68	8.76	412	14	0.36	3.9	3000	2.15



Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 1253 Sampling Date: 3/17/25

Sample I.D.: MW-1-W-20250317 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KC1	Client: AECOM
Sampler: KC	Gauging Date: 3/17/25
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 7.75	Depth to Water (ft.): 2.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1451 Flow Rate: 200 mL/min Pump Depth: 5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1454	9.69	6.36	460	29	0.34	16.2	600	2.08
1457	9.99	6.42	460	26	0.29	13.3	1200	2.10
1500	10.21	6.48	466	26	0.25	10.8	1800	2.13
1503	10.28	6.49	467	27	0.24	8.2	2400	2.12
1506	10.34	6.50	467	27	0.24	6.9	3000	2.12

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1509 Sampling Date: 3/17/25

Sample I.D.: MW-3-W-20250317 Laboratory: TA

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

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

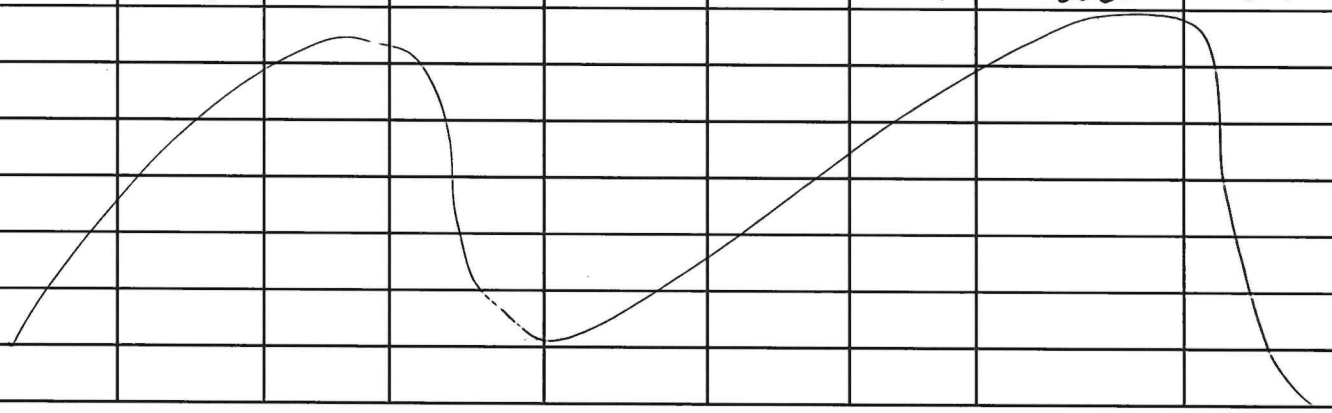
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KC1	Client: AECOM
Sampler: KC	Gauging Date: 3/17/25
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 8.23	Depth to Water (ft.): 2.29
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

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

Start Purge Time: 1403 Flow Rate: 200 mL/min Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1406	10.39	6.72	369	35	0.53	29.1	600	2.30
1409	11.10	7.12	373	30	0.24	8.7	1200	2.30
1412	11.48	7.29	373	28	0.17	8.9	1800	2.30
1415	11.56	7.34	370	26	0.16	10.4	2400	2.30
1418	11.63	7.37	371	26	0.17	12.1	3000	2.30



Did well dewater? Yes (No)	Amount actually evacuated: 3000 mL
Sampling Time: 1421	Sampling Date: 3/17/25
Sample I.D.: MW-4-W-20250317	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: —

LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KC1	Client: AECOM
Sampler: KC	Gauging Date: 3/17/25
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): ~~1.33~~ KC 7.20	Depth to Water (ft.): ~~7.20~~ KC 1.33
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1201 Flow Rate: 200 mL/min Pump Depth: ~~8~~ KC 4'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1204	7.78	6.54	324	31	0.94	-28.9	600	1.35
1207	7.85	6.64	312	27	0.62	-35.4	1200	1.35
1210	7.87	6.67	310	25	0.59	-38.2	1800	1.35
1213	7.80	6.68	308	25	0.56	-40.5	2400	1.33
1216	7.71	6.69	308	24	0.57	-41.2	3000	1.33

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1219 Sampling Date: 3/17/25

Sample I.D.: MW-5-W-20250317 Laboratory: TA

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

Equipment Blank I.D.: @ Time Duplicate I.D.: BD-W-20250317

LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KC1	Client: AECOM
Sampler: KC	Gauging Date: 3/17/25
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 8.17	Depth to Water (ft.): 2.61
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1334 Flow Rate: 200 mL/min Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1337	9.23	6.12	269	31	2.80	27.3	600	2.61
1340	8.87	6.36	253	28	2.80	22.4	1200	2.61
1343	8.83	6.52	260	25	2.89	20.3	1800	2.61
1346	8.80	6.50	264	24	2.89	21.0	2400	2.61
1349	8.89	6.48	263	24	2.90	21.8	3000	2.61

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1352 Sampling Date: 3/17/25

Sample I.D.: MW-6-W-20250317 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 250317-KL7	Client: AECOM
Sampler: KL	Gauging Date: 3/17/25
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 7.98	Depth to Water (ft.): 2.52
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1304 Flow Rate: 200 ml/min Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1307	9.25	8.98	478	14	0.91	23.1	600	2.55
1310	8.96	8.03	478	14	0.86	19.3	1200	2.58
1313	8.85	7.92	479	13	0.85	14.0	1800	2.60
1316	8.82	7.90	479	12	0.85	11.9	2400	2.61
1318	8.78	7.90	477	12	0.84	10.2	3000	2.64

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1322	Sampling Date: 3/17/25
Sample I.D.: MW-7-W-20250317	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: —

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Renee Knecht**		COC No:
AECOM	Email: renee.knecht@aecom.com	Site Contact:	Date: 3/17/25 — 1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:	Lab Contact:	Carrier: — TALS Project #:
Seattle, WA 98101	**Analysis Turnaround Time**		Sampler: Kendra Cutler
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
	TAT if different from Below _____		Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☐ 2 weeks		Lab Sampling:
Site: 706 S Columbus St, Goldendale, WA	☐ 1 week		Job / SDG No.:
P O #	☐ 2 days		
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX (8260)	EDB (8011)	NWTPH-Dx / HO w/o SGT	NWTPH-Dx / HO w/ SGT	Total Lead (6010)	sVOCs /Naphthalene (8270)	Sample Specific Notes:
MW-1-W-20250317	03/17/25	1253	G	GW	9	N	N	X	X	X	X	X	X		
MW-3-W-20250317		1509			9	N	N	X	X	X	X	X	X		
MW-4-W-20250317		1421			9	N	N	X	X	X	X	X	X		
MW-5-W-20250317		1219			9	N	N	X	X	X	X	X	X		
MW-6-W-20250317		1352			9	N	N	X	X	X	X	X	X		
MW-7-W-20250317		1322			9	N	N	X	X	X	X	X	X		
BD-W-20250317		1200			9	N	N	X	X	X	X	X	X		
TB-W-20250317	↓	0900	↓	↓	2	N	N		X						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: BTS	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

WELLHEAD INSPECTION FORM

Client: AECOM Site: 706 S Columbus Ave Date: 3/17/25

Job #: 250317-KC1 Technician: KL Page 1 of 1

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

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 706 S Columbus Ave				PROJECT NUMBER 250317-KC2			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460001100 1	3/17/25 @0648	pH 4 7 10	4.06 7.08 10.05	✓	19.3	KC
			Cond. 3900 ORP. 237.5 D.O. 100	3891 236.2 90	✓	19.3	KC

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

LS115046 — CHEVRON #

Renee Knecht — Chevron Project Manager

706 S Columbus Ave, Goldendale WA

Street number / street name / city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	1		
MW-3	1		
MW-4	1		
MW-5	1		
MW-6	1		
MW-7	1		

added equip. rinse water / 0.2

any other adjustments /

TOTAL GALS. RECOVERED 6.2

loaded onto BTS vehicle # 148

BTS event # 250317-KC1 | time 1500 | date 3/17/25

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: AECOM Date 3/17/25

Site Address: 706 S Columbus Ave, Goldendale WA

Job Number: 250317-KC1 Technician(s): FL

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Kendra Cutler (Name) Field Tech (Title) 3/17/25 (Date) (Time)

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 8, 2025

AECOM
Renee Knecht
1111 Third Ave, Suite 1600
Seattle, WA 98101

Second Quarter 2025 Monitoring at
Site Number LS-115046
706 S Columbus St
Goldendale, WA

Monitoring performed on June 23, 2025

Blaine Tech Services, Inc. Groundwater Monitoring Event 250623-MH1

This submission covers the routine monitoring of groundwater wells conducted on June 23, 2025 at this location. Six monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Six monitoring wells were sampled. All sampling activities were performed in accordance with local, state, and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water level meter or oil-water interface detector. All sampled wells were sampled utilizing the Low-flow Sampling Method. Purging was accomplished using peristaltic pumps, bladder pumps, electric submersible pumps, positive air-displacement pumps. All reused equipment was decontaminated with de-ionized water and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Eurofins TA for analysis. Monitoring well purge water and equipment rinsate water was collected and transported under bill of lading to Blaine Tech Services, Inc.'s yard in Auburn, WA, and bulked for future transportation (within 90 days) under non-hazardous manifest for disposal at Evoqua Water Technologies, a licensed facility.

SAN JOSE 1680 ROGERS AVENUE SAN JOSE, CA | SACRAMENTO (408) 573-0555 | LOS ANGELES FAX (408) 573-7771 | SAN DIEGO LIC. 746684 | SEATTLE WWW.BLAINETECH.COM

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Chain-of-Custody, Well Inspection Sheet, Calibration Log, Bill of Lading Bill of lading, and Permit to Work.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,

Diana Ojeda
Blaine Tech Services, Inc
Project Manager

Attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody Forms
Wellhead Inspection Form
Wellhead Inspection Photos
Calibration Log
Bill of lading
Permit to Work

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

WELL GAUGING DATA

Project # 250623-MH1 Date 06/23/25 Client AECOM

Site 706 S COLUMBUS ST, GOLDENDALE, WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1141	2	-	-	-	-	4.78	6.37		
MW-3	1149	2	-	-	-	-	4.80	7.84		
MW-4	1151	2	-	-	-	-	4.62	8.30		
MW-5	1146	2	-	-	-	-	4.14	7.31		
MW-6	1153	2	-	-	-	-	5.43	8.10		
MW-7	1143	2	-	-	-	-	5.36	8.06		

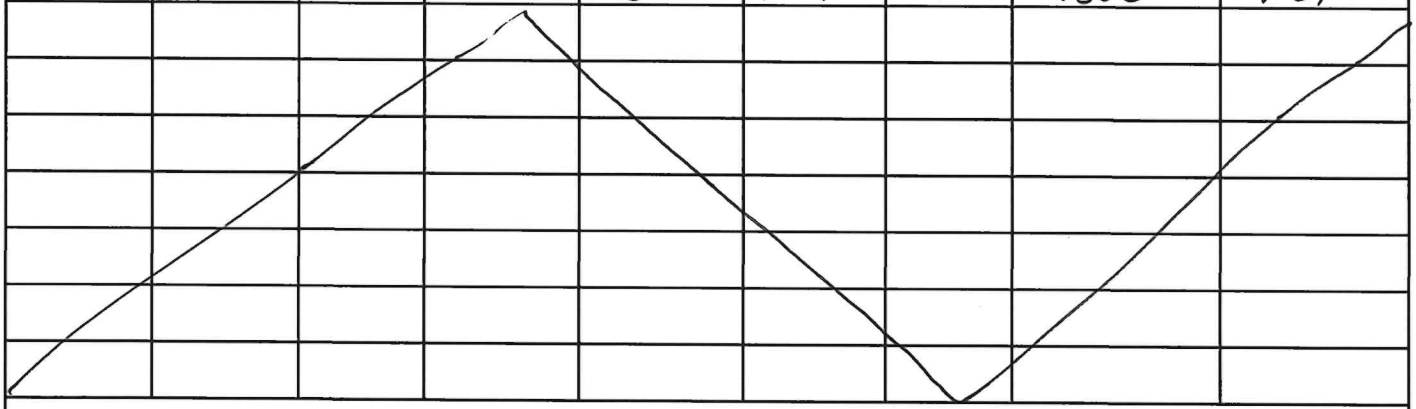
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 6.37	Depth to Water (ft.): 4.78
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1236 Flow Rate: 100 mL/MIN Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1239	17.63	6.75	451	5	1.74	188.2	300	4.83
1242	17.71	6.72	453	5	1.70	185.0	600	4.85
1245	17.63	6.73	453	5	1.69	183.3	900	4.85
1248	17.97	6.70	450	5	1.67	180.5	1200	4.85
1251	17.42	6.71	454	5	1.67	177.2	1500	4.87



Did well dewater? Yes (No)	Amount actually evacuated: 1500
Sampling Time: 1254	Sampling Date: 06/23/25
Sample I.D.: MW-1-W-20250623	Laboratory: EVROFINS
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

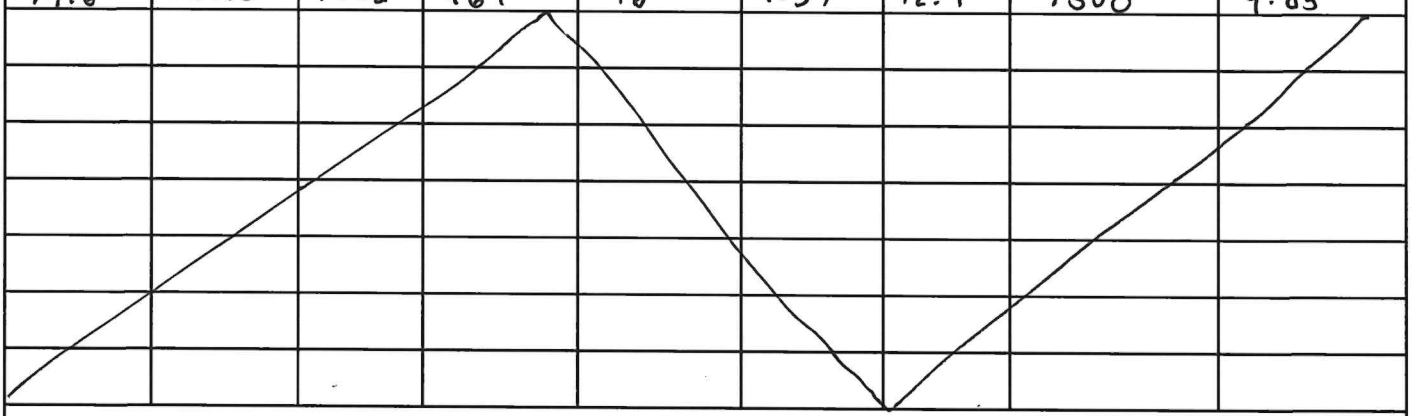
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 7.84	Depth to Water (ft.): 4.80
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1401 Flow Rate: 100 ML/MIN Pump Depth: 6.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1404	20.59	6.98	461	17	1.63	92.0	300	4.83
1407	21.78	6.91	456	16	1.58	87.0	600	4.84
1410	22.21	6.96	457	16	1.57	80.0	900	4.84
1413	22.38	7.03	459	17	1.56	76.2	1200	4.84
1416	22.18	7.02	461	16	1.57	72.1	1500	4.85



Did well dewater? Yes (No)	Amount actually evacuated: 1500
Sampling Time: 1419	Sampling Date: 06/23/25
Sample I.D.: MW-3-W-20250623	Laboratory: EUROFINS
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

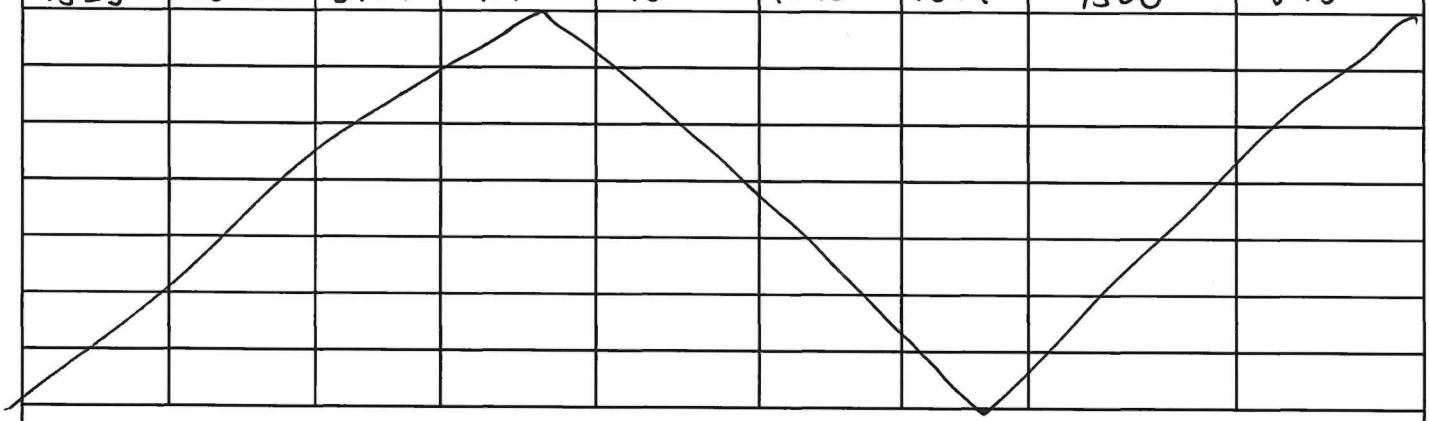
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 8.30	Depth to Water (ft.): 4.62
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: (Dedicated Tubing) | New Tubing | Other ___

Start Purge Time: 1508 Flow Rate: 100 ML/MIN Pump Depth: 6.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1511	26.80	6.87	417	15	1.48	57.6	300	4.96
1514	27.64	6.75	415	15	1.45	40.8	600	5.01
1517	28.24	6.78	415	10	1.43	17.8	900	5.08
1520	28.67	6.86	418	10	1.42	15.1	1200	5.11
1523	28.42	6.84	419	10	1.40	13.4	1500	5.15



Did well dewater? Yes (No) Amount actually evacuated: 1500

Sampling Time: 1526 Sampling Date: 06/23/25

Sample I.D.: MW-4-W-20250623 Laboratory: EUROFINS

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE C.O.C

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

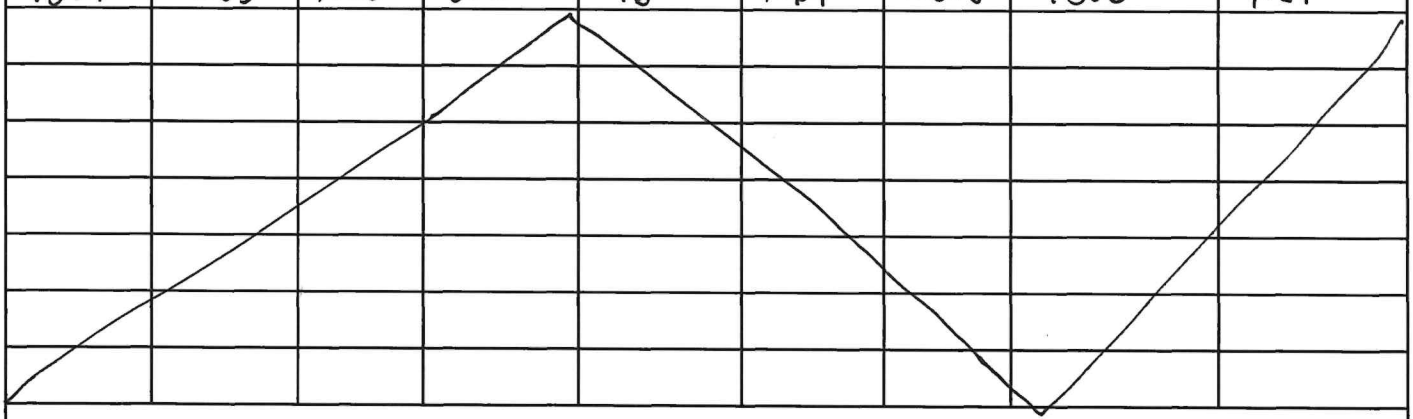
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 7.31	Depth to Water (ft.): 4.14
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1312 Flow Rate: 100 ML/MIN Pump Depth: 5.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1315	18.09	6.85	314	17	1.71	174.0	300	4.20
1318	19.35	6.90	313	17	1.65	162.8	600	4.22
1321	19.47	6.99	314	17	1.64	147.5	~~1200~~ 900 MH	4.22
1324	19.39	7.08	313	16	1.65	139.8	1200	4.21
1327	19.53	7.03	312	16	1.64	138.6	1500	4.21



Did well dewater? Yes (No)	Amount actually evacuated: 1500
Sampling Time: 1330	Sampling Date: 06/23/25
Sample I.D.: MW-5-W-20250623	Laboratory: EUROFINS
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: BD-W-20250623

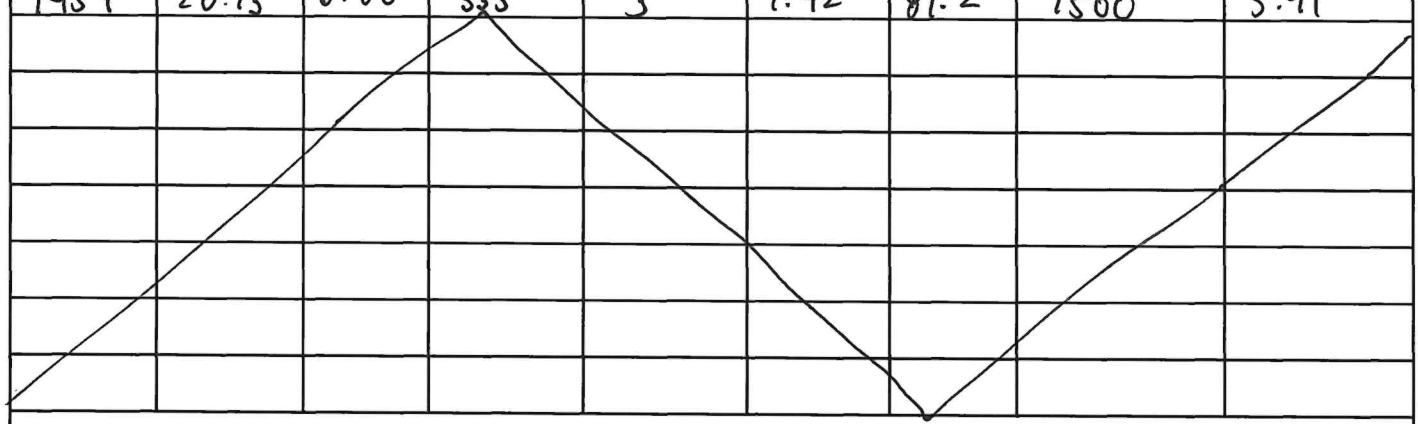
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 8.10	Depth to Water (ft.): 5.43
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: Dedicated (Tubing) | New Tubing | Other ___

Start Purge Time: 1438 Flow Rate: 100 ML/MIN Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1441	25.86	6.73	336	5	1.51	102.6	300	5.78
1445	26.83	6.76	329	4	1.46	100.9	600	5.83
1448	27.71	6.82	330	3	1.43	90.4	900	5.85
1451	28.01	6.87	332	3	1.43	86.6	1200	5.88
1454	28.13	6.88	335	3	1.42	81.2	1500	5.91



Did well dewater? Yes (No) Amount actually evacuated: 1500

Sampling Time: 1457 Sampling Date: 06/23/25

Sample I.D.: MW-6-W-20250623 Laboratory: EUROFINS

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

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

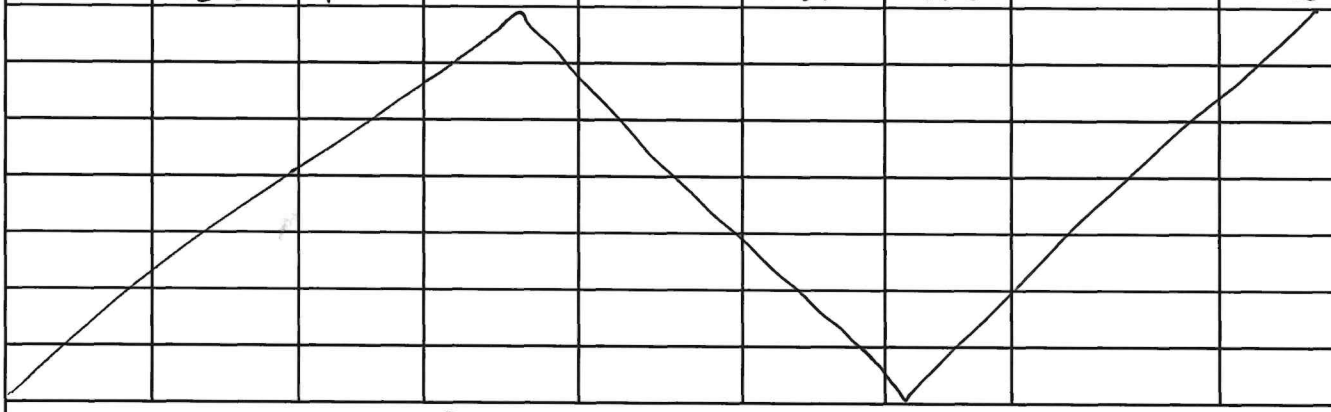
LOW FLOW WELL MONITORING DATA SHEET

Project #: 250623-MH1	Client: AECOM
Sampler: MH	Gauging Date: 06/23/25
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 8.06	Depth to Water (ft.): 5.36
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1159 Flow Rate: 100 mL/MIN Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1202	22.39	7.29	451	6	1.54	157.2	300	5.71
1205	22.76	7.30	455	4	1.52	152.8	600	5.75
1208	22.53	7.28	455	4	1.53	151.3	900	5.80
1211	22.50	7.24	445	4	1.52	150.7	1200	5.82
1214	22.84	7.20	443	4	1.51	149.8	1500	5.85



Did well dewater? Yes (No) Amount actually evacuated: 1500

Sampling Time: 1217 Sampling Date: 06/23/25

Sample I.D.: MW-7-W-20250623 Laboratory: EUROFINS

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

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

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Renee Knecht	Site Contact:	Date:	COC No:
AECOM	Email: renee.knecht@aecom.com	Lab Contact:	Carrier:	___ of ___ COCs
1111 3rd Ave, Suite 1600	Tel/Fax:			TALS Project #:
Seattle, WA 98101	Analysis Turnaround Time			Sampler:
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below _____			Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☐ 2 weeks			Lab Sampling:
Site: 706 S Columbus St, Goldendale, WA	☐ 1 week			
P O #	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX (8260)	EDB (8011)	NWTPH-Dx / HO w/o SGT	NWTPH-Dx / HO w/ SGT	Total Lead (6010)	sVOCs /Naphthalene (8270)	Sample Specific Notes:
MW-1-W-20250623	6/23/25	1254	G	GW	9	N	N	X	X	X	X	X	X		
MW-3-W-20250623		1419			9	N	N	X	X	X	X	X	X		
MW-4-W-20250623		1526			9	N	N	X	X	X	X	X	X		
MW-5-W-20250623		1330			9	N	N	X	X	X	X	X	X		
MW-6-W-20250623		1457			9	N	N	X	X	X	X	X	X		
MW-7-W-20250623		1217			9	N	N	X	X	X	X	X	X		
BD-W-20250623		1200			9	N	N	X	X	X	X	X	X		
TB-1-20250623		0900			2	N	N		X						

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

WELLHEAD INSPECTION FORM

Client: AECOM Site: 706 S COLUMBUS ST, GOLDENDALE Date: 6/23/25

Job #: 250623-MH1 Technician: MH Page 1 of 1

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

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 706 S COLUMBUS ST, GOLDENDALE				PROJECT NUMBER 250623-MH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460011101	6/23/25 @ 0636	pH 4 7 10	3.96 7.02 9.93	✓	20.1	MH
			COND 3900 ORP 237.5 PO 100	3880 238.4 96	✓	19.8	MH

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

4511504	RENEE KNECHT
CHEVRON #	Chevron Project Manager

706	S COLUMBUS ST	GOLDENDALE	WA
Street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	0.5		
MW-3	0.5		
MW-4	0.5		
MW-5	0.5		
MW-6	0.5		
MW-7	0.5		

added equip. rinse water 0.1

any other adjustments –

TOTAL GALS. RECOVERED 3.1

loaded onto BTS vehicle # 144

BTS event #	time	date
250623-MH1	1600	6/23/25

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: AECOM Date 6/23/25

Site Address: 706 S COLUMBUS ST, GOLDENDALE, WA

Job Number: 250623-MH1 Technician(s): MH

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: M. HILLER (Name) TECHNICIAN (Title) 6/23/25 (Date) 0630 (Time)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Renee Knecht
AECOM
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Generated 1/3/2025 4:34:25 PM

JOB DESCRIPTION

Chevron- LS115046 Goldendale

JOB NUMBER

580-146864-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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1/3/2025 4:34:25 PM

Authorized for release by
Tracy Dutton, Client Relations Manager
Tracy.Dutton@et.eurofinsus.com
(253)248-4970

Table of Contents

Job Narrative
580-146864-1

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

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

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

Receipt
The samples were received on 12/20/2024 11:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Method NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)
Samples MW-1-W-20241217 (580-146864-1), MW-3-W-20241218 (580-146864-2), MW-4-W-20241218 (580-146864-3), MW-5-W-20241217 (580-146864-4), MW-6-W-20241218 (580-146864-5), MW-7-W-20241218 (580-146864-6) and BD-W-20241217 (580-146864-7) were analyzed for Northwest - Volatile Petroleum Products (GC/MS). The samples were analyzed on 12/27/2024 and 1/1/2025.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW-1-W-20241217 (580-146864-1), MW-3-W-20241218 (580-146864-2), MW-4-W-20241218 (580-146864-3), MW-5-W-20241217 (580-146864-4), MW-6-W-20241218 (580-146864-5), MW-7-W-20241218 (580-146864-6), BD-W-20241217 (580-146864-7) and TB-W-20241218 (580-146864-8) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 12/27/2024 and 1/1/2025.

The method blank for analytical batch 580-481415 contained Benzene and Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

The method blank for analytical batch 580-481725 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8011 - EDB and DBCP in Water by Microextraction
Samples MW-1-W-20241217 (580-146864-1), MW-3-W-20241218 (580-146864-2), MW-4-W-20241218 (580-146864-3), MW-5-W-20241217 (580-146864-4), MW-6-W-20241218 (580-146864-5), MW-7-W-20241218 (580-146864-6) and BD-W-20241217 (580-146864-7) were analyzed for EDB and DBCP in Water by Microextraction. The samples were prepared on 12/28/2024 and analyzed on 1/3/2025.

The continuing calibration verification (CCV) associated with 580-481833 recovered high and outside the control limits for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromopropane and Ethylene Dibromide on one column. Results are confirmed on both columns and reported from the passing column. The associated samples are: (CCV 580-481833/14), (CCV 580-481833/26), (CCV 580-481833/30) and (CCVRT 580-481833/2).

Method NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)
Samples MW-1-W-20241217 (580-146864-1), MW-3-W-20241218 (580-146864-2), MW-4-W-20241218 (580-146864-3), MW-5-W-20241217 (580-146864-4), MW-6-W-20241218 (580-146864-5), MW-7-W-20241218 (580-146864-6) and BD-W-20241217 (580-146864-7) were analyzed for Northwest - Semi-Volatile Petroleum Products (GC). The samples were prepared on 12/30/2024 and 12/31/2024 and analyzed on 12/31/2024, 1/2/2025 and 1/3/2025.

A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Gross weight of the sample was not taken due to technical error, an initial volume of 250mL of sample was presumed per SOP.

Method 6020B - Metals (ICP/MS) - Total Recoverable

Job ID: 580-146864-1 (Continued)

Samples MW-1-W-20241217 (580-146864-1), MW-3-W-20241218 (580-146864-2), MW-4-W-20241218 (580-146864-3), MW-5-W-20241217 (580-146864-4), MW-6-W-20241218 (580-146864-5), MW-7-W-20241218 (580-146864-6) and BD-W-20241217 (580-146864-7) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 12/27/2024 and analyzed on 12/30/2024.

Definitions/Glossary

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: MW-1-W-20241217

Date Collected: 12/17/24 15:36
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			12/27/24 16:34	1
Benzene	**0.030**	**J B**	0.20	0.030	ug/L			12/27/24 16:34	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			12/27/24 16:34	1
Toluene	**0.061**	**J B**	0.20	0.050	ug/L			12/27/24 16:34	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			12/27/24 16:34	1
Ethylbenzene	ND		0.20	0.082	ug/L			12/27/24 16:34	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			12/27/24 16:34	1
o-Xylene	ND		0.50	0.23	ug/L			12/27/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/27/24 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*12/27/24 16:34*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*12/27/24 16:34*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/27/24 16:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			12/27/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*12/27/24 16:34*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*108*		*60 - 140*	*12/28/24 10:26*	*01/03/25 00:22*	*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		0.20	0.091	mg/L		12/30/24 08:32	12/31/24 01:38	1
Motor Oil (>C24-C36)	**0.20**	**J**	0.35	0.13	mg/L		12/30/24 08:32	12/31/24 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*12/30/24 08:32*	*12/31/24 01:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00074**		0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:45	1

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: MW-3-W-20241218

Date Collected: 12/18/24 10:01
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 06:20	1
Benzene	**0.030**	**J**	0.20	0.030	ug/L			01/01/25 06:20	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 06:20	1
Toluene	**0.062**	**J B**	0.20	0.050	ug/L			01/01/25 06:20	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 06:20	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 06:20	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			01/01/25 06:20	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/01/25 06:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*01/01/25 06:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/01/25 06:20*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/01/25 06:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			01/01/25 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*01/01/25 06:20*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*105*		*60 - 140*	*12/28/24 10:26*	*01/03/25 00:37*	*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)	**0.13**	**J**	0.22	0.099	mg/L		12/31/24 06:44	01/03/25 01:09	1
Motor Oil (>C24-C36)	**0.35**	**J**	0.38	0.14	mg/L		12/31/24 06:44	01/03/25 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*12/31/24 06:44*	*01/03/25 01:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.0013**		0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:42	1

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: MW-4-W-20241218

Date Collected: 12/18/24 09:30
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 05:57	1
Benzene	**0.035**	**J**	0.20	0.030	ug/L			01/01/25 05:57	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 05:57	1
Toluene	**0.85**	**B**	0.20	0.050	ug/L			01/01/25 05:57	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 05:57	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 05:57	1
m-Xylene & p-Xylene	**0.12**	**J**	0.50	0.12	ug/L			01/01/25 05:57	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/01/25 05:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*01/01/25 05:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*01/01/25 05:57*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/01/25 05:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			01/01/25 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*01/01/25 05:57*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*106*		*60 - 140*	*12/28/24 10:26*	*01/03/25 00:53*	*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		0.21	0.095	mg/L		12/31/24 06:44	01/03/25 01:29	1
Motor Oil (>C24-C36)	**0.16**	**J**	0.37	0.14	mg/L		12/31/24 06:44	01/03/25 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*12/31/24 06:44*	*01/03/25 01:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00012**	**J**	0.00050	0.000040	mg/L		12/27/24 16:54	12/30/24 20:39	1

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: MW-5-W-20241217

Date Collected: 12/17/24 14:48
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			12/27/24 15:48	1
Benzene	**0.032**	**J B**	0.20	0.030	ug/L			12/27/24 15:48	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			12/27/24 15:48	1
Toluene	**0.080**	**J B**	0.20	0.050	ug/L			12/27/24 15:48	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			12/27/24 15:48	1
Ethylbenzene	ND		0.20	0.082	ug/L			12/27/24 15:48	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			12/27/24 15:48	1
o-Xylene	ND		0.50	0.23	ug/L			12/27/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/27/24 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*12/27/24 15:48*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*12/27/24 15:48*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*12/27/24 15:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			12/27/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*12/27/24 15:48*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*106*		*60 - 140*	*12/28/24 10:26*	*01/03/25 01:09*	*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		0.22	0.10	mg/L		12/31/24 06:44	01/02/25 20:28	1
Motor Oil (>C24-C36)	**0.16**	**J**	0.39	0.15	mg/L		12/31/24 06:44	01/02/25 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*12/31/24 06:44*	*01/02/25 20:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00044**	**J**	0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:50	1

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: MW-6-W-20241218

Date Collected: 12/18/24 08:57
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 06:43	1
Benzene	**0.034**	**J**	0.20	0.030	ug/L			01/01/25 06:43	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 06:43	1
Toluene	**0.16**	**J B**	0.20	0.050	ug/L			01/01/25 06:43	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 06:43	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 06:43	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			01/01/25 06:43	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/01/25 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*01/01/25 06:43*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/01/25 06:43*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*01/01/25 06:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			01/01/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*01/01/25 06:43*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*107*		*60 - 140*	*12/28/24 10:26*	*01/03/25 01:25*	*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)	**0.11**	**J**	0.20	0.091	mg/L		12/31/24 06:44	01/03/25 01:49	1
Motor Oil (>C24-C36)	**0.21**	**J**	0.35	0.13	mg/L		12/31/24 06:44	01/03/25 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*12/31/24 06:44*	*01/03/25 01:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.000095**	**J**	0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:48	1

Client Sample ID: MW-7-W-20241218

Date Collected: 12/18/24 08:30
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 09:02	1
Benzene	**0.031**	**J**	0.20	0.030	ug/L			01/01/25 09:02	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 09:02	1
Toluene	**0.074**	**J B**	0.20	0.050	ug/L			01/01/25 09:02	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 09:02	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 09:02	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			01/01/25 09:02	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/01/25 09:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*01/01/25 09:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*01/01/25 09:02*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*01/01/25 09:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			01/01/25 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*01/01/25 09:02*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0099	0.0020	ug/L		12/28/24 10:26	01/03/25 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*105*		*60 - 140*	*12/28/24 10:26*	*01/03/25 02:13*	*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)	**0.13**	**J**	0.21	0.095	mg/L		12/31/24 06:44	01/03/25 02:09	1
Motor Oil (>C24-C36)	**0.39**		0.37	0.14	mg/L		12/31/24 06:44	01/03/25 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*12/31/24 06:44*	*01/03/25 02:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.000040	mg/L		12/27/24 16:54	12/30/24 20:36	1

Client Sample ID: BD-W-20241217

Lab Sample ID: 580-146864-7

Date Collected: 12/17/24 12:00

Matrix: Water

Date Received: 12/20/24 11:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			12/27/24 16:11	1
Benzene	**0.035**	**J B**	0.20	0.030	ug/L			12/27/24 16:11	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			12/27/24 16:11	1
Toluene	**0.051**	**J B**	0.20	0.050	ug/L			12/27/24 16:11	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			12/27/24 16:11	1
Ethylbenzene	ND		0.20	0.082	ug/L			12/27/24 16:11	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			12/27/24 16:11	1
o-Xylene	ND		0.50	0.23	ug/L			12/27/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/27/24 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*12/27/24 16:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*12/27/24 16:11*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/27/24 16:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			12/27/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*12/27/24 16:11*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/03/25 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*104*		*60 - 140*	*12/28/24 10:26*	*01/03/25 02:29*	*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		0.22	0.099	mg/L		12/31/24 06:44	01/02/25 20:48	1
Motor Oil (>C24-C36)	**0.17**	**J**	0.38	0.14	mg/L		12/31/24 06:44	01/02/25 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*12/31/24 06:44*	*01/02/25 20:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00058**		0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:13	1

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Client Sample ID: TB-W-20241218
Date Collected: 12/18/24 09:00
Date Received: 12/20/24 11:35

Lab Sample ID: 580-146864-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 03:38	1
Benzene	**0.032**	**J**	0.20	0.030	ug/L			01/01/25 03:38	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 03:38	1
Toluene	**0.069**	**J B**	0.20	0.050	ug/L			01/01/25 03:38	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 03:38	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 03:38	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			01/01/25 03:38	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/01/25 03:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*01/01/25 03:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/01/25 03:38*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/01/25 03:38*	*1*

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

Lab Sample ID: MB 580-481415/10
Matrix: Water
Analysis Batch: 481415

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			12/27/24 12:43	1
Benzene	0.0321	J	0.20	0.030	ug/L			12/27/24 12:43	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			12/27/24 12:43	1
Toluene	0.101	J	0.20	0.050	ug/L			12/27/24 12:43	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			12/27/24 12:43	1
Ethylbenzene	ND		0.20	0.082	ug/L			12/27/24 12:43	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			12/27/24 12:43	1
o-Xylene	ND		0.50	0.23	ug/L			12/27/24 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/27/24 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*12/27/24 12:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*12/27/24 12:43*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/27/24 12:43*	*1*

Lab Sample ID: LCS 580-481415/5
Matrix: Water
Analysis Batch: 481415

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl tert-butyl ether			5.00	4.74		ug/L		95	61 - 131		
Benzene			5.00	4.74		ug/L		95	80 - 120		
1,2-Dichloroethane (EDC)			5.00	4.65		ug/L		93	74 - 127		
Toluene			5.00	4.66		ug/L		93	80 - 126		
1,2-Dibromoethane (EDB)			5.00	4.63		ug/L		93	61 - 143		
Ethylbenzene			5.00	4.87		ug/L		97	80 - 124		
m-Xylene & p-Xylene			5.00	5.25		ug/L		105	75 - 124		
o-Xylene			5.00	5.14		ug/L		103	71 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-481415/6
Matrix: Water
Analysis Batch: 481415

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
Methyl tert-butyl ether			5.00	4.66		ug/L		93	61 - 131	2	27
Benzene			5.00	4.64		ug/L		93	80 - 120	2	22
1,2-Dichloroethane (EDC)			5.00	4.70		ug/L		94	74 - 127	1	21
Toluene			5.00	4.56		ug/L		91	80 - 126	2	20
1,2-Dibromoethane (EDB)			5.00	4.52		ug/L		90	61 - 143	2	22
Ethylbenzene			5.00	4.77		ug/L		95	80 - 124	2	22
m-Xylene & p-Xylene			5.00	5.08		ug/L		102	75 - 124	3	22
o-Xylene			5.00	5.03		ug/L		101	71 - 124	2	23

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

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

Lab Sample ID: MB 580-481725/11
Matrix: Water
Analysis Batch: 481725

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			01/01/25 03:15	1
Benzene	ND		0.20	0.030	ug/L			01/01/25 03:15	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			01/01/25 03:15	1
Toluene	0.0761	J	0.20	0.050	ug/L			01/01/25 03:15	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			01/01/25 03:15	1
Ethylbenzene	ND		0.20	0.082	ug/L			01/01/25 03:15	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			01/01/25 03:15	1
o-Xylene	ND		0.50	0.23	ug/L			01/01/25 03:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/01/25 03:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*01/01/25 03:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/01/25 03:15*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*01/01/25 03:15*	*1*

Lab Sample ID: LCS 580-481725/6
Matrix: Water
Analysis Batch: 481725

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	5.00	4.95		ug/L		99	61 - 131
Benzene	5.00	4.81		ug/L		96	80 - 120
1,2-Dichloroethane (EDC)	5.00	4.90		ug/L		98	74 - 127
Toluene	5.00	4.72		ug/L		94	80 - 126
1,2-Dibromoethane (EDB)	5.00	4.58		ug/L		92	61 - 143
Ethylbenzene	5.00	4.88		ug/L		98	80 - 124
m-Xylene & p-Xylene	5.00	4.99		ug/L		100	75 - 124
o-Xylene	5.00	5.08		ug/L		102	71 - 124

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

Lab Sample ID: LCSD 580-481725/7
Matrix: Water
Analysis Batch: 481725

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
Methyl tert-butyl ether	5.00	4.91		ug/L		98	61 - 131	1	27

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

Lab Sample ID: LCSD 580-481725/7
Matrix: Water
Analysis Batch: 481725

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
Benzene			5.00	4.81		ug/L		96	80 - 120	0	22
1,2-Dichloroethane (EDC)			5.00	4.88		ug/L		98	74 - 127	0	21
Toluene			5.00	4.63		ug/L		93	80 - 126	2	20
1,2-Dibromoethane (EDB)			5.00	4.36		ug/L		87	61 - 143	5	22
Ethylbenzene			5.00	4.84		ug/L		97	80 - 124	1	22
m-Xylene & p-Xylene			5.00	4.94		ug/L		99	75 - 124	1	22
o-Xylene			5.00	4.98		ug/L		100	71 - 124	2	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 580-481411/10
Matrix: Water
Analysis Batch: 481411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			12/27/24 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*12/27/24 12:43*	*1*

Lab Sample ID: LCS 580-481411/7
Matrix: Water
Analysis Batch: 481411

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	0.967		mg/L		97	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: LCSD 580-481411/8
Matrix: Water
Analysis Batch: 481411

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			1.00	1.04		mg/L		104	55 - 148	7	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*

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

Lab Sample ID: MB 580-481721/11
Matrix: Water
Analysis Batch: 481721

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			01/01/25 03:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*01/01/25 03:15*	*1*

Lab Sample ID: LCS 580-481721/8
Matrix: Water
Analysis Batch: 481721

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	1.07		mg/L		107	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: LCSD 580-481721/9
Matrix: Water
Analysis Batch: 481721

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			1.00	1.08		mg/L		108	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-481493/1-A
Matrix: Water
Analysis Batch: 481833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		12/28/24 10:26	01/02/25 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*108*		*60 - 140*	*12/28/24 10:26*	*01/02/25 19:52*	*1*

Lab Sample ID: LCS 580-481493/2-A
Matrix: Water
Analysis Batch: 481833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481493

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0568	0.0592		ug/L		104	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*107*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 580-481493/3-A
Matrix: Water
Analysis Batch: 481833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 481493

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0568	0.0573		ug/L		101	60 - 140	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*107*		*60 - 140*

Lab Sample ID: LLCS 580-481493/4-A
Matrix: Water
Analysis Batch: 481833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481493

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide			0.0115	0.00972	J	ug/L		85	60 - 145

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*103*		*60 - 140*

Lab Sample ID: LLCS 580-481493/5-A
Matrix: Water
Analysis Batch: 481833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481493

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide			0.00571	0.00565	J	ug/L		99	60 - 145

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*118*		*60 - 140*

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

Lab Sample ID: MB 580-481525/1-A
Matrix: Water
Analysis Batch: 481571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.20	0.091	mg/L		12/30/24 08:32	12/30/24 17:37	1
Motor Oil (>C24-C36)	ND		0.35	0.13	mg/L		12/30/24 08:32	12/30/24 17:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*12/30/24 08:32*	*12/30/24 17:37*	*1*

Lab Sample ID: LCS 580-481525/2-A
Matrix: Water
Analysis Batch: 481571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481525

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)			4.00	3.58		mg/L		90	50 - 120
Motor Oil (>C24-C36)			4.00	3.74		mg/L		94	64 - 120

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

Lab Sample ID: LCS 580-481525/2-A
Matrix: Water
Analysis Batch: 481571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481525

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*

Lab Sample ID: LCSD 580-481525/3-A
Matrix: Water
Analysis Batch: 481571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 481525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4.00	3.42		mg/L		86	50 - 120	5	26
Motor Oil (>C24-C36)			4.00	3.62		mg/L		90	64 - 120	3	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*

Lab Sample ID: MB 580-481634/1-A
Matrix: Water
Analysis Batch: 481763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.20	0.091	mg/L		12/31/24 06:44	01/02/25 19:08	1
Motor Oil (>C24-C36)	ND		0.35	0.13	mg/L		12/31/24 06:44	01/02/25 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*12/31/24 06:44*	*01/02/25 19:08*	*1*

Lab Sample ID: LCS 580-481634/2-A
Matrix: Water
Analysis Batch: 481763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481634

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)			4.00	3.18		mg/L		80	50 - 120
Motor Oil (>C24-C36)			4.00	3.70		mg/L		93	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*86*		*50 - 150*

Lab Sample ID: LCSD 580-481634/3-A
Matrix: Water
Analysis Batch: 481763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 481634

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4.00	3.32		mg/L		83	50 - 120	4	26
Motor Oil (>C24-C36)			4.00	3.77		mg/L		94	64 - 120	2	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*92*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 350-4159/25-A
Matrix: Water
Analysis Batch: 4228

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.000040	mg/L		12/27/24 16:29	12/30/24 14:07	1

Lab Sample ID: LCS 350-4159/26-A
Matrix: Water
Analysis Batch: 4228

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.00	0.985		mg/L		98	80 - 120

Lab Sample ID: 580-146864-7 MS
Matrix: Water
Analysis Batch: 4228

Client Sample ID: BD-W-20241217
Prep Type: Total Recoverable
Prep Batch: 4159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00058		1.00	1.00		mg/L		100	80 - 120

Lab Sample ID: 580-146864-7 MSD
Matrix: Water
Analysis Batch: 4228

Client Sample ID: BD-W-20241217
Prep Type: Total Recoverable
Prep Batch: 4159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.00058		1.00	0.978		mg/L		98	80 - 120	2	20

Lab Sample ID: MB 350-4161/25-A
Matrix: Water
Analysis Batch: 4229

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.000040	mg/L		12/27/24 16:54	12/30/24 19:06	1

Lab Sample ID: LCS 350-4161/26-A
Matrix: Water
Analysis Batch: 4229

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.00	0.970		mg/L		97	80 - 120

Lab Chronicle

Client: AECOM
Job ID: 580-146864-1
Project/Site: Chevron- LS115046 Goldendale

Client Sample ID: MW-1-W-20241217
Lab Sample ID: 580-146864-1
Date Collected: 12/17/24 15:36
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481415	AA	EET SEA	12/27/24 16:34
Total/NA	Analysis	NWTPH-Gx		1	481411	AA	EET SEA	12/27/24 16:34
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 00:22
Total/NA	Prep	3510C			481525	EM	EET SEA	12/30/24 08:32
Total/NA	Analysis	NWTPH-Dx		1	481571	SW	EET SEA	12/31/24 01:38
Total Recoverable	Prep	3005A			4159	J1H	EET SSM	12/27/24 16:29
Total Recoverable	Analysis	6020B		1	4228	CW	EET SSM	12/30/24 14:45

Client Sample ID: MW-3-W-20241218
Lab Sample ID: 580-146864-2
Date Collected: 12/18/24 10:01
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481725	AA	EET SEA	01/01/25 06:20
Total/NA	Analysis	NWTPH-Gx		1	481721	AA	EET SEA	01/01/25 06:20
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 00:37
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/03/25 01:09
Total Recoverable	Prep	3005A			4159	J1H	EET SSM	12/27/24 16:29
Total Recoverable	Analysis	6020B		1	4228	CW	EET SSM	12/30/24 14:42

Client Sample ID: MW-4-W-20241218
Lab Sample ID: 580-146864-3
Date Collected: 12/18/24 09:30
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481725	AA	EET SEA	01/01/25 05:57
Total/NA	Analysis	NWTPH-Gx		1	481721	AA	EET SEA	01/01/25 05:57
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 00:53
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/03/25 01:29
Total Recoverable	Prep	3005A			4161	J1H	EET SSM	12/27/24 16:54
Total Recoverable	Analysis	6020B		1	4229	CW	EET SSM	12/30/24 20:39

Client Sample ID: MW-5-W-20241217
Lab Sample ID: 580-146864-4
Date Collected: 12/17/24 14:48
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481415	AA	EET SEA	12/27/24 15:48
Total/NA	Analysis	NWTPH-Gx		1	481411	AA	EET SEA	12/27/24 15:48

Lab Chronicle

Client: AECOM
Job ID: 580-146864-1
Project/Site: Chevron- LS115046 Goldendale

Client Sample ID: MW-5-W-20241217
Lab Sample ID: 580-146864-4
Date Collected: 12/17/24 14:48
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 01:09
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/02/25 20:28
Total Recoverable	Prep	3005A			4159	J1H	EET SSM	12/27/24 16:29
Total Recoverable	Analysis	6020B		1	4228	CW	EET SSM	12/30/24 14:50

Client Sample ID: MW-6-W-20241218
Lab Sample ID: 580-146864-5
Date Collected: 12/18/24 08:57
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481725	AA	EET SEA	01/01/25 06:43
Total/NA	Analysis	NWTPH-Gx		1	481721	AA	EET SEA	01/01/25 06:43
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 01:25
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/03/25 01:49
Total Recoverable	Prep	3005A			4159	J1H	EET SSM	12/27/24 16:29
Total Recoverable	Analysis	6020B		1	4228	CW	EET SSM	12/30/24 14:48

Client Sample ID: MW-7-W-20241218
Lab Sample ID: 580-146864-6
Date Collected: 12/18/24 08:30
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481725	AA	EET SEA	01/01/25 09:02
Total/NA	Analysis	NWTPH-Gx		1	481721	AA	EET SEA	01/01/25 09:02
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 02:13
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/03/25 02:09
Total Recoverable	Prep	3005A			4161	J1H	EET SSM	12/27/24 16:54
Total Recoverable	Analysis	6020B		1	4229	CW	EET SSM	12/30/24 20:36

Client Sample ID: BD-W-20241217
Lab Sample ID: 580-146864-7
Date Collected: 12/17/24 12:00
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481415	AA	EET SEA	12/27/24 16:11
Total/NA	Analysis	NWTPH-Gx		1	481411	AA	EET SEA	12/27/24 16:11
Total/NA	Prep	8011			481493	TOA	EET SEA	12/28/24 10:26
Total/NA	Analysis	8011		1	481833	SW	EET SEA	01/03/25 02:29

Lab Chronicle

Client: AECOM
Job ID: 580-146864-1
Project/Site: Chevron- LS115046 Goldendale

Client Sample ID: BD-W-20241217
Lab Sample ID: 580-146864-7
Date Collected: 12/17/24 12:00
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			481634	EM	EET SEA	12/31/24 06:44
Total/NA	Analysis	NWTPH-Dx		1	481763	SW	EET SEA	01/02/25 20:48
Total Recoverable	Prep	3005A			4159	J1H	EET SSM	12/27/24 16:29
Total Recoverable	Analysis	6020B		1	4228	CW	EET SSM	12/30/24 14:13

Client Sample ID: TB-W-20241218
Lab Sample ID: 580-146864-8
Date Collected: 12/18/24 09:00
Matrix: Water
Date Received: 12/20/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	481725	AA	EET SEA	01/01/25 03:38

Laboratory References:

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

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-146864-1
Project/Site: Chevron- LS115046 Goldendale

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Laboratory: Eurofins Seattle Specialty Metals

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-23a	07-13-25

Sample Summary

Client: AECOM
Project/Site: Chevron- LS115046 Goldendale

Job ID: 580-146864-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-146864-1	MW-1-W-20241217	Water	12/17/24 15:36	12/20/24 11:35
580-146864-2	MW-3-W-20241218	Water	12/18/24 10:01	12/20/24 11:35
580-146864-3	MW-4-W-20241218	Water	12/18/24 09:30	12/20/24 11:35
580-146864-4	MW-5-W-20241217	Water	12/17/24 14:48	12/20/24 11:35
580-146864-5	MW-6-W-20241218	Water	12/18/24 08:57	12/20/24 11:35
580-146864-6	MW-7-W-20241218	Water	12/18/24 08:30	12/20/24 11:35
580-146864-7	BD-W-20241217	Water	12/17/24 12:00	12/20/24 11:35
580-146864-8	TB-W-20241218	Water	12/18/24 09:00	12/20/24 11:35

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

1/3/2025

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Renee Knecht	Site Contact:	Date: 12/18/24	COC No:
AECOM	Email: renee.knecht@aecom.com	Lab Contact:	Carrier: Y	1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:			TALS Project #:
Seattle, WA 98101	Analysis Turnaround Time			Sampler: Kendra Cutler
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below _____			Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☑ 2 weeks			Lab Sampling:
Site: 706 s Columbus St, Goldendale, WA	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	EDB (8011)	NWTPH-Dx / HO	Total Lead (6020)	SVOCs (8270)	Sample Specific Notes:
MW-1-W-20241217	12/17/24	1536	G	GW	11	N	N	X	X	X	X	X		
MW-3-W-20241218	12/18/24	1001			11	N	N	X	X	X	X	X		
MW-4-W-20241218	12/18/24	0930			11	N	N	X	X	X	X	X		
MW-5-W-20241217	12/17/24	1448			11	N	N	X	X	X	X	X		
MW-6-W-20241218	12/18/24	0857			11	N	N	X	X	X	X	X		
MW-7-W-20241218	12/18/24	0830			11	N	N	X	X	X	X	X		
BD-W-20241217	12/17/24	1200			11	N	N	X	X	X	X	X		
TB-W-20241218	12/18/24	0900	↓	↓	2	N	N		X					

Therm. ID: 11 Cor: 2.9 ° Unc: 3.9 °
Cooler Dsc: CB
Packing: none
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: FPO
UPS:
Lab Courr:
Other:

580-146864 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: BTS	Date/Time: 12/20/24 1135	Received by:	Company: Eofn	Date/Time: 12-20-24 1135
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Renee Knecht	Site Contact:	Date: 12/18/24	COC No:
AECOM	Email: renee.knecht@aecom.com	Lab Contact:	Carrier: F	1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:			TALS Project #:
Seattle, WA 98101	Analysis Turnaround Time			Sampler: Kendra Cutler
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below _____			Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☒ 2 weeks			Lab Sampling:
Site: 706 s Columbus St, Goldendale, WA	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	EDB (8011)	NWTPH-Dx / HO	Total Lead (6020)	SVOCs (8270)	Sample Specific Notes:
MW-1-W-20241217	12/17/24	1536	G	GW	11	N	N	X	X	X	X	X		
MW-3-W-20241218	12/18/24	1001			11	N	N	X	X	X	X	X		
MW-4-W-20241218	12/18/24	0930			11	N	N	X	X	X	X	X		
MW-5-W-20241217	12/17/24	1448			11	N	N	X	X	X	X	X		
MW-6-W-20241218	12/18/24	0857			11	N	N	X	X	X	X	X		
MW-7-W-20241218	12/18/24	0830			11	N	N	X	X	X	X	X		
BD-W-20241217	12/17/24	1200			11	N	N	X	X	X	X	X		
TB-W-20241218	12/18/24	0900	↓	↓	2	N	N		X					

Therm. ID: 11 Cor: 2.9 ° Unc: 3.9 °
Cooler Dsc: LB
Packing: None
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: FRO
UPS:
Lab Cour:
Other:

580-146864 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	BTS	12/20/24 1135	Received by:	GBH	12-20-24 1135
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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1/6/2025

AECOM 12/21

Cooler 2 of 3

Therm. ID: 11 Cor: 5.1 Inc: 6.1

Cooler Dsc: LB

Packing: Bulb Fed Ex:

Dust. Seal: Yes No X UPS:

Blue Ice, Wet, Dry, None Other: CD

Cooler 3 of 3

Therm. ID: 11 Cor: 4.3 Inc: 5.3

Cooler Dsc: LB

Packing: Bulb Fed Ex:

Dust. Seal: Yes No X UPS:

Blue Ice, Wet, Dry, None Other: CD

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-146864-1

Login Number: 146864
List Number: 1
Creator: Pike, Jacob 1

List Source: Eurofins Seattle

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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-146864-1

Login Number: 146864
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/26/24 07:42 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Renee Knecht
AECOM
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Generated 4/3/2025 3:25:13 PM

JOB DESCRIPTION

Chevron- LS115046
706 S Columbus St, Goldendale, WA

JOB NUMBER

580-149052-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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4/3/2025 3:25:13 PM

Authorized for release by
Rachel Sester, Project Manager I
Rachel.Sester@et.eurofinsus.com
(602)659-7615

Table of Contents

Job Narrative
580-149052-1

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

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

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

Receipt
The samples were received on 3/20/2025 11:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

Method NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)
Samples MW-1-W-20250317 (580-149052-1), MW-3-W-20250317 (580-149052-2), MW-4-W-20250317 (580-149052-3), MW-5-W-20250317 (580-149052-4), MW-6-W-20250317 (580-149052-5), MW-7-W-20250317 (580-149052-6) and BD-W-20250317 (580-149052-7) were analyzed for Northwest - Volatile Petroleum Products (GC/MS). The samples were analyzed on 3/26/2025 and 3/27/2025.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW-1-W-20250317 (580-149052-1), MW-3-W-20250317 (580-149052-2), MW-4-W-20250317 (580-149052-3), MW-5-W-20250317 (580-149052-4), MW-6-W-20250317 (580-149052-5), MW-7-W-20250317 (580-149052-6), BD-W-20250317 (580-149052-7) and TB-W-20250317 (580-149052-8) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 3/26/2025, 3/27/2025 and 3/28/2025.

The method blank for analytical batch 580-488485 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

The method blank for analytical batch 580-488745 contained Benzene and m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

The method blank for analytical batch 580-488773 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8011 - EDB and DBCP in Water by Microextraction
Samples MW-1-W-20250317 (580-149052-1), MW-3-W-20250317 (580-149052-2), MW-4-W-20250317 (580-149052-3), MW-5-W-20250317 (580-149052-4), MW-6-W-20250317 (580-149052-5), MW-7-W-20250317 (580-149052-6) and BD-W-20250317 (580-149052-7) were analyzed for EDB and DBCP in Water by Microextraction. The samples were prepared on 3/27/2025 and analyzed on 3/28/2025.

The initial calibration curve analyzed in batch 580-488786 was outside acceptance criteria for 1,2,3-Trichloropropane. The curve will not be used for this analyte.

Method NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)
Samples MW-1-W-20250317 (580-149052-1), MW-3-W-20250317 (580-149052-2), MW-4-W-20250317 (580-149052-3), MW-5-W-20250317 (580-149052-4), MW-6-W-20250317 (580-149052-5), MW-7-W-20250317 (580-149052-6) and BD-W-20250317 (580-149052-7) were analyzed for Northwest - Semi-Volatile Petroleum Products (GC). The samples were prepared on 3/25/2025 and analyzed on 4/2/2025.

Method 6020B - Metals (ICP/MS) - Total Recoverable

Job ID: 580-149052-1 (Continued)

Samples MW-1-W-20250317 (580-149052-1), MW-3-W-20250317 (580-149052-2), MW-4-W-20250317 (580-149052-3), MW-5-W-20250317 (580-149052-4), MW-6-W-20250317 (580-149052-5), MW-7-W-20250317 (580-149052-6) and BD-W-20250317 (580-149052-7) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 3/24/2025 and analyzed on 3/25/2025.

Definitions/Glossary

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: MW-1-W-20250317

Date Collected: 03/17/25 12:53
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 13:46	1
Benzene	**0.035**	**J**	0.20	0.030	ug/L			03/26/25 13:46	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 13:46	1
Toluene	ND		0.20	0.050	ug/L			03/26/25 13:46	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 13:46	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 13:46	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 13:46	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/26/25 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/26/25 13:46*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/26/25 13:46*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*03/26/25 13:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*03/26/25 13:46*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0021	ug/L		03/27/25 10:43	03/28/25 05:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*103*		*60 - 140*	*03/27/25 10:43*	*03/28/25 05:12*	*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		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 17:32	1
#2 Diesel (C10-C24)	ND		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 20:14	1
Motor Oil (>C24-C36)	ND		0.39	0.14	mg/L		03/25/25 09:17	04/02/25 17:32	1
Motor Oil (>C24-C36)	**0.17**	**J**	0.39	0.14	mg/L		03/25/25 09:17	04/02/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*03/25/25 09:17*	*04/02/25 17:32*	*1*
o-Terphenyl	*62*		*50 - 150*	*03/25/25 09:17*	*04/02/25 20:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00043**	**J B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:39	1

Client Sample ID: MW-3-W-20250317

Date Collected: 03/17/25 15:09
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.087**	**J**	0.30	0.070	ug/L			03/26/25 11:50	1
Benzene	ND		0.20	0.030	ug/L			03/26/25 11:50	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 11:50	1
Toluene	ND		0.20	0.050	ug/L			03/26/25 11:50	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 11:50	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 11:50	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 11:50	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/26/25 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/26/25 11:50*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/26/25 11:50*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*03/26/25 11:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*03/26/25 11:50*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		03/27/25 10:43	03/28/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*110*		*60 - 140*	*03/27/25 10:43*	*03/28/25 05:28*	*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		0.21	0.094	mg/L		03/25/25 09:17	04/02/25 17:52	1
#2 Diesel (C10-C24)	ND		0.21	0.094	mg/L		03/25/25 09:17	04/02/25 20:34	1
Motor Oil (>C24-C36)	ND		0.36	0.13	mg/L		03/25/25 09:17	04/02/25 17:52	1
Motor Oil (>C24-C36)	**0.19**	**J**	0.36	0.13	mg/L		03/25/25 09:17	04/02/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*03/25/25 09:17*	*04/02/25 17:52*	*1*
o-Terphenyl	*60*		*50 - 150*	*03/25/25 09:17*	*04/02/25 20:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00084**	**B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:47	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: MW-4-W-20250317

Date Collected: 03/17/25 14:21
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 12:13	1
Benzene	**0.030**	**J**	0.20	0.030	ug/L			03/26/25 12:13	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 12:13	1
Toluene	**0.11**	**J B**	0.20	0.050	ug/L			03/26/25 12:13	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 12:13	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 12:13	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 12:13	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/26/25 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/26/25 12:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*03/26/25 12:13*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*03/26/25 12:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*03/26/25 12:13*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		03/27/25 10:43	03/28/25 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*104*		*60 - 140*	*03/27/25 10:43*	*03/28/25 05:44*	*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		0.22	0.098	mg/L		03/25/25 09:17	04/02/25 18:12	1
#2 Diesel (C10-C24)	ND		0.22	0.098	mg/L		03/25/25 09:17	04/02/25 20:54	1
Motor Oil (>C24-C36)	ND		0.38	0.14	mg/L		03/25/25 09:17	04/02/25 18:12	1
Motor Oil (>C24-C36)	ND		0.38	0.14	mg/L		03/25/25 09:17	04/02/25 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*03/25/25 09:17*	*04/02/25 18:12*	*1*
o-Terphenyl	*63*		*50 - 150*	*03/25/25 09:17*	*04/02/25 20:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00029**	**J B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:50	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: MW-5-W-20250317

Date Collected: 03/17/25 12:19
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/27/25 18:04	1
Benzene	**0.043**	**J B**	0.20	0.030	ug/L			03/27/25 18:04	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/27/25 18:04	1
Toluene	ND		0.20	0.050	ug/L			03/27/25 18:04	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/27/25 18:04	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/27/25 18:04	1
m-Xylene & p-Xylene	**0.12**	**J B**	0.50	0.12	ug/L			03/27/25 18:04	1
o-Xylene	ND		0.50	0.23	ug/L			03/27/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/27/25 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/27/25 18:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*03/27/25 18:04*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*03/27/25 18:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/27/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*03/27/25 18:04*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0021	ug/L		03/27/25 10:43	03/28/25 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*107*		*60 - 140*	*03/27/25 10:43*	*03/28/25 06:00*	*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		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 18:33	1
#2 Diesel (C10-C24)	ND		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 21:14	1
Motor Oil (>C24-C36)	ND		0.39	0.15	mg/L		03/25/25 09:17	04/02/25 18:33	1
Motor Oil (>C24-C36)	ND		0.39	0.15	mg/L		03/25/25 09:17	04/02/25 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*03/25/25 09:17*	*04/02/25 18:33*	*1*
o-Terphenyl	*58*		*50 - 150*	*03/25/25 09:17*	*04/02/25 21:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00061**	**B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:53	1

Client Sample ID: MW-6-W-20250317

Date Collected: 03/17/25 13:52
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 14:32	1
Benzene	ND		0.20	0.030	ug/L			03/26/25 14:32	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 14:32	1
Toluene	**0.087**	**J B**	0.20	0.050	ug/L			03/26/25 14:32	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 14:32	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 14:32	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 14:32	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/26/25 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/26/25 14:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/26/25 14:32*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/26/25 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*03/26/25 14:32*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0021	ug/L		03/27/25 10:43	03/28/25 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*103*		*60 - 140*	*03/27/25 10:43*	*03/28/25 06:15*	*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		0.22	0.098	mg/L		03/25/25 09:17	04/02/25 18:53	1
#2 Diesel (C10-C24)	ND		0.22	0.098	mg/L		03/25/25 09:17	04/02/25 21:34	1
Motor Oil (>C24-C36)	ND		0.38	0.14	mg/L		03/25/25 09:17	04/02/25 18:53	1
Motor Oil (>C24-C36)	**0.17**	**J**	0.38	0.14	mg/L		03/25/25 09:17	04/02/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*03/25/25 09:17*	*04/02/25 18:53*	*1*
o-Terphenyl	*60*		*50 - 150*	*03/25/25 09:17*	*04/02/25 21:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00079**	**B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:55	1

Client Sample ID: MW-7-W-20250317

Date Collected: 03/17/25 13:22
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 15:19	1
Benzene	ND		0.20	0.030	ug/L			03/26/25 15:19	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 15:19	1
Toluene	**0.054**	**J B**	0.20	0.050	ug/L			03/26/25 15:19	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 15:19	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 15:19	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 15:19	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/26/25 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/26/25 15:19*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/26/25 15:19*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*03/26/25 15:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*03/26/25 15:19*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		03/27/25 10:43	03/28/25 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*101*		*60 - 140*	*03/27/25 10:43*	*03/28/25 06:31*	*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		0.23	0.10	mg/L		03/25/25 09:17	04/02/25 19:13	1
#2 Diesel (C10-C24)	**0.12**	**J**	0.23	0.10	mg/L		03/25/25 09:17	04/02/25 21:55	1
Motor Oil (>C24-C36)	ND		0.40	0.15	mg/L		03/25/25 09:17	04/02/25 19:13	1
Motor Oil (>C24-C36)	**0.27**	**J**	0.40	0.15	mg/L		03/25/25 09:17	04/02/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*03/25/25 09:17*	*04/02/25 19:13*	*1*
o-Terphenyl	*61*		*50 - 150*	*03/25/25 09:17*	*04/02/25 21:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.000096**	**J B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 15:58	1

Client Sample ID: BD-W-20250317

Date Collected: 03/17/25 12:00
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 14:56	1
Benzene	**0.033**	**J**	0.20	0.030	ug/L			03/26/25 14:56	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 14:56	1
Toluene	**0.060**	**J B**	0.20	0.050	ug/L			03/26/25 14:56	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 14:56	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 14:56	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 14:56	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/26/25 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/26/25 14:56*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/26/25 14:56*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*03/26/25 14:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*03/26/25 14:56*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020	ug/L		03/27/25 10:43	03/28/25 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*104*		*60 - 140*	*03/27/25 10:43*	*03/28/25 06:47*	*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		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 19:33	1
#2 Diesel (C10-C24)	ND		0.22	0.10	mg/L		03/25/25 09:17	04/02/25 22:15	1
Motor Oil (>C24-C36)	ND		0.39	0.15	mg/L		03/25/25 09:17	04/02/25 19:33	1
Motor Oil (>C24-C36)	ND		0.39	0.15	mg/L		03/25/25 09:17	04/02/25 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*03/25/25 09:17*	*04/02/25 19:33*	*1*
o-Terphenyl	*60*		*50 - 150*	*03/25/25 09:17*	*04/02/25 22:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00071**	**B**	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 16:01	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: TB-W-20250317
Date Collected: 03/17/25 09:00
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/28/25 02:10	1
Benzene	**0.065**	**J B**	0.20	0.030	ug/L			03/28/25 02:10	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/28/25 02:10	1
Toluene	ND		0.20	0.050	ug/L			03/28/25 02:10	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/28/25 02:10	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/28/25 02:10	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/28/25 02:10	1
o-Xylene	ND		0.50	0.23	ug/L			03/28/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/25 02:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/28/25 02:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/28/25 02:10*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/25 02:10*	*1*

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

Lab Sample ID: MB 580-488485/10
Matrix: Water
Analysis Batch: 488485

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/26/25 09:53	1
Benzene	ND		0.20	0.030	ug/L			03/26/25 09:53	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/26/25 09:53	1
Toluene	0.0575	J	0.20	0.050	ug/L			03/26/25 09:53	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/26/25 09:53	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/26/25 09:53	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/26/25 09:53	1
o-Xylene	ND		0.50	0.23	ug/L			03/26/25 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/26/25 09:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/26/25 09:53*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*03/26/25 09:53*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*03/26/25 09:53*	*1*

Lab Sample ID: LCS 580-488485/5
Matrix: Water
Analysis Batch: 488485

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl tert-butyl ether			5.00	4.75		ug/L		95	61 - 131		
Benzene			5.00	5.05		ug/L		101	80 - 120		
1,2-Dichloroethane (EDC)			5.00	4.66		ug/L		93	74 - 127		
Toluene			5.00	4.99		ug/L		100	80 - 126		
1,2-Dibromoethane (EDB)			5.00	4.81		ug/L		96	61 - 143		
Ethylbenzene			5.00	5.25		ug/L		105	80 - 124		
m-Xylene & p-Xylene			5.00	5.30		ug/L		106	75 - 124		
o-Xylene			5.00	5.52		ug/L		110	71 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-488485/6
Matrix: Water
Analysis Batch: 488485

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
Methyl tert-butyl ether			5.00	4.98		ug/L		100	61 - 131	5	27
Benzene			5.00	5.19		ug/L		104	80 - 120	3	22
1,2-Dichloroethane (EDC)			5.00	4.80		ug/L		96	74 - 127	3	21
Toluene			5.00	4.97		ug/L		99	80 - 126	0	20
1,2-Dibromoethane (EDB)			5.00	4.96		ug/L		99	61 - 143	3	22
Ethylbenzene			5.00	5.34		ug/L		107	80 - 124	2	22
m-Xylene & p-Xylene			5.00	5.37		ug/L		107	75 - 124	1	22
o-Xylene			5.00	5.64		ug/L		113	71 - 124	2	23

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 580-488745/10
Matrix: Water
Analysis Batch: 488745

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/27/25 13:49	1
Benzene	0.0747	J	0.20	0.030	ug/L			03/27/25 13:49	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/27/25 13:49	1
Toluene	ND		0.20	0.050	ug/L			03/27/25 13:49	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/27/25 13:49	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/27/25 13:49	1
m-Xylene & p-Xylene	0.135	J	0.50	0.12	ug/L			03/27/25 13:49	1
o-Xylene	ND		0.50	0.23	ug/L			03/27/25 13:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/27/25 13:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/27/25 13:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/27/25 13:49*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/27/25 13:49*	*1*

Lab Sample ID: LCS 580-488745/5
Matrix: Water
Analysis Batch: 488745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	5.00	4.27		ug/L		85	61 - 131
Benzene	5.00	4.81		ug/L		96	80 - 120
1,2-Dichloroethane (EDC)	5.00	5.66		ug/L		113	74 - 127
Toluene	5.00	4.94		ug/L		99	80 - 126
1,2-Dibromoethane (EDB)	5.00	4.70		ug/L		94	61 - 143
Ethylbenzene	5.00	5.12		ug/L		102	80 - 124
m-Xylene & p-Xylene	5.00	5.14		ug/L		103	75 - 124
o-Xylene	5.00	5.24		ug/L		105	71 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 580-488745/6
Matrix: Water
Analysis Batch: 488745

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
Methyl tert-butyl ether	5.00	4.54		ug/L		91	61 - 131	6	27

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

Lab Sample ID: LCSD 580-488745/6
Matrix: Water
Analysis Batch: 488745

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
Benzene			5.00	4.53		ug/L		91	80 - 120	6	22
1,2-Dichloroethane (EDC)			5.00	5.40		ug/L		108	74 - 127	5	21
Toluene			5.00	4.66		ug/L		93	80 - 126	6	20
1,2-Dibromoethane (EDB)			5.00	4.96		ug/L		99	61 - 143	5	22
Ethylbenzene			5.00	4.76		ug/L		95	80 - 124	7	22
m-Xylene & p-Xylene			5.00	4.74		ug/L		95	75 - 124	8	22
o-Xylene			5.00	4.80		ug/L		96	71 - 124	9	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-488773/7
Matrix: Water
Analysis Batch: 488773

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			03/28/25 01:00	1
Benzene	0.0693	J	0.20	0.030	ug/L			03/28/25 01:00	1
1,2-Dichloroethane (EDC)	ND		0.25	0.12	ug/L			03/28/25 01:00	1
Toluene	ND		0.20	0.050	ug/L			03/28/25 01:00	1
1,2-Dibromoethane (EDB)	ND		0.15	0.067	ug/L			03/28/25 01:00	1
Ethylbenzene	ND		0.20	0.082	ug/L			03/28/25 01:00	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			03/28/25 01:00	1
o-Xylene	ND		0.50	0.23	ug/L			03/28/25 01:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/25 01:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/28/25 01:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/28/25 01:00*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*03/28/25 01:00*	*1*

Lab Sample ID: LCS 580-488773/4
Matrix: Water
Analysis Batch: 488773

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl tert-butyl ether			5.00	4.82		ug/L		96	61 - 131		
Benzene			5.00	4.50		ug/L		90	80 - 120		
1,2-Dichloroethane (EDC)			5.00	5.05		ug/L		101	74 - 127		
Toluene			5.00	4.71		ug/L		94	80 - 126		
1,2-Dibromoethane (EDB)			5.00	4.99		ug/L		100	61 - 143		
Ethylbenzene			5.00	4.81		ug/L		96	80 - 124		
m-Xylene & p-Xylene			5.00	4.79		ug/L		96	75 - 124		
o-Xylene			5.00	4.81		ug/L		96	71 - 124		

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

Lab Sample ID: LCS 580-488773/4
Matrix: Water
Analysis Batch: 488773

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-488773/5
Matrix: Water
Analysis Batch: 488773

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
Methyl tert-butyl ether			5.00	4.77		ug/L		95	61 - 131	1	27
Benzene			5.00	4.41		ug/L		88	80 - 120	2	22
1,2-Dichloroethane (EDC)			5.00	4.94		ug/L		99	74 - 127	2	21
Toluene			5.00	4.52		ug/L		90	80 - 126	4	20
1,2-Dibromoethane (EDB)			5.00	4.99		ug/L		100	61 - 143	0	22
Ethylbenzene			5.00	4.64		ug/L		93	80 - 124	3	22
m-Xylene & p-Xylene			5.00	4.69		ug/L		94	75 - 124	2	22
o-Xylene			5.00	4.64		ug/L		93	71 - 124	4	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 580-488480/10
Matrix: Water
Analysis Batch: 488480

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/26/25 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*03/26/25 09:53*	*1*

Lab Sample ID: LCS 580-488480/7
Matrix: Water
Analysis Batch: 488480

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	1.07		mg/L		107	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-488480/8
Matrix: Water
Analysis Batch: 488480

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			1.00	1.08		mg/L		108	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*

Lab Sample ID: MB 580-488741/10
Matrix: Water
Analysis Batch: 488741

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			03/27/25 13:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*03/27/25 13:49*	*1*

Lab Sample ID: LCS 580-488741/7
Matrix: Water
Analysis Batch: 488741

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	1.06		mg/L		106	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*

Lab Sample ID: LCSD 580-488741/8
Matrix: Water
Analysis Batch: 488741

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			1.00	1.14		mg/L		114	55 - 148	7	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-488674/1-A
Matrix: Water
Analysis Batch: 488789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0098	0.0020	ug/L		03/27/25 10:43	03/27/25 23:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*116*		*60 - 140*	*03/27/25 10:43*	*03/27/25 23:39*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 580-488674/2-A
Matrix: Water
Analysis Batch: 488789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488674

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0565	0.0621		ug/L		110	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*120*		*60 - 140*

Lab Sample ID: LCSD 580-488674/3-A
Matrix: Water
Analysis Batch: 488789

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488674

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0559	0.0680		ug/L		122	60 - 140	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*122*		*60 - 140*

Lab Sample ID: LLCS 580-488674/4-A
Matrix: Water
Analysis Batch: 488789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488674

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0112	0.0130		ug/L		116	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*114*		*60 - 140*

Lab Sample ID: LLCS 580-488674/5-A
Matrix: Water
Analysis Batch: 488789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488674

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.00557	0.00678	J	ug/L		122	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*108*		*60 - 140*

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

Lab Sample ID: MB 580-488395/1-A
Matrix: Water
Analysis Batch: 488473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.20	0.091	mg/L		03/25/25 09:17	03/25/25 19:01	1
Motor Oil (>C24-C36)	ND		0.35	0.13	mg/L		03/25/25 09:17	03/25/25 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*03/25/25 09:17*	*03/25/25 19:01*	*1*

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

Lab Sample ID: MB 580-488395/1-B
Matrix: Water
Analysis Batch: 489229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.20	0.091	mg/L		03/25/25 09:17	04/02/25 16:31	1
Motor Oil (>C24-C36)	ND		0.35	0.13	mg/L		03/25/25 09:17	04/02/25 16:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*03/25/25 09:17*	*04/02/25 16:31*	*1*

Lab Sample ID: LCS 580-488395/2-A
Matrix: Water
Analysis Batch: 488473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4.00	2.99		mg/L		75	50 - 120		
Motor Oil (>C24-C36)			4.00	3.45		mg/L		86	64 - 120		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl			*80*		*50 - 150*

Lab Sample ID: LCS 580-488395/2-B
Matrix: Water
Analysis Batch: 489229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4.00	3.08		mg/L		77	50 - 120		
Motor Oil (>C24-C36)			4.00	3.42		mg/L		86	64 - 120		

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

Lab Sample ID: LCSD 580-488395/3-A
Matrix: Water
Analysis Batch: 488473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4.00	3.17		mg/L		79	50 - 120	6	26
Motor Oil (>C24-C36)			4.00	3.51		mg/L		88	64 - 120	2	24

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl			*79*		*50 - 150*

Lab Sample ID: LCSD 580-488395/3-B
Matrix: Water
Analysis Batch: 489229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4.00	3.23		mg/L		81	50 - 120	5	26
Motor Oil (>C24-C36)			4.00	3.50		mg/L		87	64 - 120	2	24

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

Lab Sample ID: LCSD 580-488395/3-B
Matrix: Water
Analysis Batch: 489229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488395

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 350-5761/25-A
Matrix: Water
Analysis Batch: 5788

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0000859	J	0.00050	0.000040	mg/L		03/24/25 14:50	03/25/25 14:36	1

Lab Sample ID: LCS 350-5761/26-A
Matrix: Water
Analysis Batch: 5788

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.00	1.01		mg/L		101	80 - 120

Lab Chronicle

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: MW-1-W-20250317
Date Collected: 03/17/25 12:53
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 13:46
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 13:46
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 05:12
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 17:32
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 20:14
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:39

Client Sample ID: MW-3-W-20250317
Date Collected: 03/17/25 15:09
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 11:50
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 11:50
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 05:28
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 17:52
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 20:34
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:47

Client Sample ID: MW-4-W-20250317
Date Collected: 03/17/25 14:21
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 12:13
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 12:13
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 05:44
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 18:12
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 20:54
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:50

Lab Chronicle

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: MW-5-W-20250317
Date Collected: 03/17/25 12:19
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488745	AA	EET SEA	03/27/25 18:04
Total/NA	Analysis	NWTPH-Gx		1	488741	AA	EET SEA	03/27/25 18:04
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 06:00
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 18:33
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 21:14
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:53

Client Sample ID: MW-6-W-20250317
Date Collected: 03/17/25 13:52
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 14:32
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 14:32
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 06:15
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 18:53
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 21:34
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:55

Client Sample ID: MW-7-W-20250317
Date Collected: 03/17/25 13:22
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 15:19
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 15:19
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 06:31
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 19:13
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 21:55
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 15:58

Lab Chronicle

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Client Sample ID: BD-W-20250317
Date Collected: 03/17/25 12:00
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488485	AA	EET SEA	03/26/25 14:56
Total/NA	Analysis	NWTPH-Gx		1	488480	AA	EET SEA	03/26/25 14:56
Total/NA	Prep	8011			488674	TOA	EET SEA	03/27/25 10:43
Total/NA	Analysis	8011		1	488789	SW	EET SEA	03/28/25 06:47
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Cleanup	3630C			489246	SW	EET SEA	04/02/25 15:15
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 19:33
Total/NA	Prep	3510C			488395	EM	EET SEA	03/25/25 09:17
Total/NA	Analysis	NWTPH-Dx		1	489229	TL1	EET SEA	04/02/25 22:15
Total Recoverable	Prep	3005A			5761	RMN	EET SSM	03/24/25 14:50
Total Recoverable	Analysis	6020B		1	5788	CW	EET SSM	03/25/25 16:01

Client Sample ID: TB-W-20250317
Date Collected: 03/17/25 09:00
Date Received: 03/20/25 11:14

Lab Sample ID: 580-149052-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488773	AA	EET SEA	03/28/25 02:10

Laboratory References:

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

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Laboratory: Eurofins Seattle Specialty Metals

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-23a	07-13-25

Sample Summary

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-149052-1
SDG: 706 S Columbus St, Goldendale, WA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-149052-1	MW-1-W-20250317	Water	03/17/25 12:53	03/20/25 11:14
580-149052-2	MW-3-W-20250317	Water	03/17/25 15:09	03/20/25 11:14
580-149052-3	MW-4-W-20250317	Water	03/17/25 14:21	03/20/25 11:14
580-149052-4	MW-5-W-20250317	Water	03/17/25 12:19	03/20/25 11:14
580-149052-5	MW-6-W-20250317	Water	03/17/25 13:52	03/20/25 11:14
580-149052-6	MW-7-W-20250317	Water	03/17/25 13:22	03/20/25 11:14
580-149052-7	BD-W-20250317	Water	03/17/25 12:00	03/20/25 11:14
580-149052-8	TB-W-20250317	Water	03/17/25 09:00	03/20/25 11:14

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

4/3/2025

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Renee Knecht	Site Contact:	Date: 3/17/25	COC No:
AECOM	Email: renee.knecht@aecom.com	Lab Contact:	Carrier:	1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:			TALS Project #:
Seattle, WA 98101	Analysis Turnaround Time			Sampler: Kendra Cutler
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below _____			Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☐ 2 weeks			Lab Sampling:
Site: 706 S Columbus St, Goldendale, WA	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX (8260)	EDB (8011)	NWTPH-Dx / HO w/o SGT	NWTPH-Dx / HO w/ SGT	Total Lead (6010)	sVOCs /Naphthalene (8270)	Sample Specific Notes:
MW-1-W-20250317	D3/17/25	1253	G	GW	9	N	N	X	X	X	X	X	X		
MW-3-W-20250317		1509			9	N	N	X	X	X	X	X	X		
MW-4-W-20250317		1421			9	N	N	X	X	X	X	X	X		
MW-5-W-20250317		1219			9	N	N	X	X	X	X	X	X		
MW-6-W-20250317		1352			9	N	N	X	X	X	X	X	X		
MW-7-W-20250317		1322			9	N	N	X	X	X	X	X	X		
BD-W-20250317		1200			9	N	N	X	X	X	X	X	X		
TB-W-20250317	↓	0900	↓	↓	2	N	N		X						

Therm. ID: 15 Cor: 3.6 ° Unc: 3.6 °
Cooler Dsc: CB
Packing: N/A
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: C.D

580-149052 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by:	Company: BTS	Date/Time: 3/20/25 1014	Received by:	Company: ECTN	Date/Time: 3/20/25 1114
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-149052-1
SDG Number: 706 S Columbus St, Goldendale, WA

Login Number: 149052
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Renee Knecht
AECOM
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Generated 7/9/2025 4:32:25 PM

JOB DESCRIPTION

Chevron- LS115046

JOB NUMBER

580-151810-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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7/9/2025 4:32:25 PM

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

Table of Contents

Job ID: 580-151810-1 — Eurofins Seattle

Job Narrative
580-151810-1

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

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

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

Receipt
The samples were received on 6/26/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6°C and 3.1°C.

Method NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)
Samples MW-1-W-20250623 (580-151810-1), MW-3-W-20250623 (580-151810-2), MW-4-W-20250623 (580-151810-3), MW-5-W-20250623 (580-151810-4), MW-6-W-20250623 (580-151810-5), MW-7-W-20250623 (580-151810-6) and BD-W-20250623 (580-151810-7) were analyzed for Northwest - Volatile Petroleum Products (GC/MS). The samples were analyzed on 6/28/2025.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW-1-W-20250623 (580-151810-1), MW-3-W-20250623 (580-151810-2), MW-4-W-20250623 (580-151810-3), MW-5-W-20250623 (580-151810-4), MW-6-W-20250623 (580-151810-5), MW-7-W-20250623 (580-151810-6), BD-W-20250623 (580-151810-7) and TB-1-20250623 (580-151810-8) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 6/28/2025 and 7/2/2025.

Method 8011 - EDB, DBCP, and 1,2,3-TCP (GC)
Samples MW-1-W-20250623 (580-151810-1), MW-3-W-20250623 (580-151810-2), MW-4-W-20250623 (580-151810-3), MW-5-W-20250623 (580-151810-4), MW-6-W-20250623 (580-151810-5), MW-7-W-20250623 (580-151810-6) and BD-W-20250623 (580-151810-7) were analyzed for EDB, DBCP, and 1,2,3-TCP (GC). The samples were prepared and analyzed on 7/3/2025.

Method NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)
Samples MW-1-W-20250623 (580-151810-1), MW-3-W-20250623 (580-151810-2), MW-4-W-20250623 (580-151810-3), MW-5-W-20250623 (580-151810-4), MW-6-W-20250623 (580-151810-5), MW-7-W-20250623 (580-151810-6) and BD-W-20250623 (580-151810-7) were analyzed for Northwest - Semi-Volatile Petroleum Products (GC). The samples were prepared on 7/3/2025 and analyzed on 7/3/2025 and 7/8/2025.

Method 6010D - Metals (ICP) - Total Recoverable
Samples MW-1-W-20250623 (580-151810-1), MW-3-W-20250623 (580-151810-2), MW-4-W-20250623 (580-151810-3), MW-5-W-20250623 (580-151810-4), MW-6-W-20250623 (580-151810-5), MW-7-W-20250623 (580-151810-6) and BD-W-20250623 (580-151810-7) were analyzed for Metals (ICP) - Total Recoverable. The samples were prepared on 7/8/2025 and analyzed on 7/9/2025.

The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-594319 and analytical batch 570-594882 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Definitions/Glossary

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Glossary

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

Client Sample ID: MW-1-W-20250623

Date Collected: 06/23/25 12:54
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 01:06	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 01:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 01:06	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 01:06	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/28/25 01:06*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/28/25 01:06*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/28/25 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/28/25 01:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*06/28/25 01:06*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/03/25 15:28	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/08/25 13:12	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/03/25 15:28	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/08/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*07/03/25 10:15*	*07/03/25 15:28*	*1*
o-Terphenyl	*88*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:12*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*07/03/25 10:15*	*07/03/25 15:28*	*1*
n-Triacontane-d62	*101*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:12*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:24	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: MW-3-W-20250623

Date Collected: 06/23/25 14:19
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 01:29	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 01:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 01:29	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 01:29	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/28/25 01:29*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/28/25 01:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/28/25 01:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/28/25 01:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*06/28/25 01:29*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		07/03/25 10:15	07/03/25 15:50	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		07/03/25 10:15	07/08/25 13:33	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/03/25 15:50	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/08/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*07/03/25 10:15*	*07/03/25 15:50*	*1*
o-Terphenyl	*80*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:33*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*07/03/25 10:15*	*07/03/25 15:50*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:33*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:15	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: MW-4-W-20250623

Date Collected: 06/23/25 15:26
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 01:53	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 01:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 01:53	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 01:53	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/28/25 01:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/28/25 01:53*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/28/25 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/28/25 01:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*06/28/25 01:53*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/03/25 16:11	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/08/25 13:55	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/03/25 16:11	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/08/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:11*	*1*
o-Terphenyl	*95*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:55*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:11*	*1*
n-Triacontane-d62	*113*		*50 - 150*	*07/03/25 10:15*	*07/08/25 13:55*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:13	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: MW-5-W-20250623

Date Collected: 06/23/25 13:30
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 02:16	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 02:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 02:16	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 02:16	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/28/25 02:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/28/25 02:16*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/28/25 02:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*06/28/25 02:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*06/28/25 02:16*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/03/25 16:33	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/08/25 14:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/03/25 16:33	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/08/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:33*	*1*
o-Terphenyl	*89*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:16*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:33*	*1*
n-Triacontane-d62	*106*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:16*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:10	1

Client Sample ID: MW-6-W-20250623

Date Collected: 06/23/25 14:57
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 02:39	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 02:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 02:39	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 02:39	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/28/25 02:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/28/25 02:39*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/28/25 02:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/28/25 02:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*06/28/25 02:39*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/03/25 16:54	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/08/25 14:38	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/03/25 16:54	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/08/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:54*	*1*
o-Terphenyl	*92*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:38*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*07/03/25 10:15*	*07/03/25 16:54*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:38*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:08	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: MW-7-W-20250623

Date Collected: 06/23/25 12:17
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 03:02	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 03:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 03:02	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 03:02	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/28/25 03:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/28/25 03:02*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/28/25 03:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/28/25 03:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*06/28/25 03:02*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/03/25 17:16	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		07/03/25 10:15	07/08/25 14:59	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/03/25 17:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		07/03/25 10:15	07/08/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*07/03/25 10:15*	*07/03/25 17:16*	*1*
o-Terphenyl	*86*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:59*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*07/03/25 10:15*	*07/03/25 17:16*	*1*
n-Triacontane-d62	*102*		*50 - 150*	*07/03/25 10:15*	*07/08/25 14:59*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:06	1

Client Sample ID: BD-W-20250623

Date Collected: 06/23/25 12:00
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/28/25 03:26	1
Toluene	ND		1.0	0.39	ug/L			06/28/25 03:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/28/25 03:26	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/28/25 03:26	1
o-Xylene	ND		1.0	0.39	ug/L			06/28/25 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/28/25 03:26*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/28/25 03:26*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/28/25 03:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*06/28/25 03:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/28/25 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*06/28/25 03:26*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/03/25 17:37	1
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		07/03/25 10:15	07/08/25 15:21	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/03/25 17:37	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		07/03/25 10:15	07/08/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*07/03/25 10:15*	*07/03/25 17:37*	*1*
o-Terphenyl	*92*		*50 - 150*	*07/03/25 10:15*	*07/08/25 15:21*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*07/03/25 10:15*	*07/03/25 17:37*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*07/03/25 10:15*	*07/08/25 15:21*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:03	1

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: TB-1-20250623

Date Collected: 06/23/25 09:00
Date Received: 06/26/25 09:45

Lab Sample ID: 580-151810-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			07/02/25 00:50	1
Toluene	ND		1.0	0.39	ug/L			07/02/25 00:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/02/25 00:50	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			07/02/25 00:50	1
o-Xylene	ND		1.0	0.39	ug/L			07/02/25 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/02/25 00:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*07/02/25 00:50*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*07/02/25 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*07/02/25 00:50*	*1*

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

Lab Sample ID: MB 580-496036/10
Matrix: Water
Analysis Batch: 496036

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			06/27/25 20:04	1
Toluene	ND		1.0	0.39	ug/L			06/27/25 20:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/27/25 20:04	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/27/25 20:04	1
o-Xylene	ND		1.0	0.39	ug/L			06/27/25 20:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/25 20:04*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/27/25 20:04*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/27/25 20:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/27/25 20:04*	*1*

Lab Sample ID: LCS 580-496036/5
Matrix: Water
Analysis Batch: 496036

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.93		ug/L		99	80 - 122		
Toluene			5.00	4.89		ug/L		98	80 - 120		
Ethylbenzene			5.00	5.06		ug/L		101	80 - 120		
m-Xylene & p-Xylene			5.00	5.13		ug/L		103	80 - 120		
o-Xylene			5.00	5.07		ug/L		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-496036/6
Matrix: Water
Analysis Batch: 496036

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
Benzene			5.00	4.85		ug/L		97	80 - 122	2	14
Toluene			5.00	4.84		ug/L		97	80 - 120	1	13
Ethylbenzene			5.00	4.92		ug/L		98	80 - 120	3	14
m-Xylene & p-Xylene			5.00	4.95		ug/L		99	80 - 120	4	14
o-Xylene			5.00	4.93		ug/L		99	80 - 120	3	16

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

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

Lab Sample ID: MB 580-496273/10
Matrix: Water
Analysis Batch: 496273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			07/01/25 23:40	1
Toluene	ND		1.0	0.39	ug/L			07/01/25 23:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/01/25 23:40	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			07/01/25 23:40	1
o-Xylene	ND		1.0	0.39	ug/L			07/01/25 23:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/01/25 23:40*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*07/01/25 23:40*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/01/25 23:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*07/01/25 23:40*	*1*

Lab Sample ID: LCS 580-496273/5
Matrix: Water
Analysis Batch: 496273

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.59		ug/L		92	80 - 122		
Toluene			5.00	4.27		ug/L		85	80 - 120		
Ethylbenzene			5.00	4.48		ug/L		90	80 - 120		
m-Xylene & p-Xylene			5.00	4.52		ug/L		90	80 - 120		
o-Xylene			5.00	4.59		ug/L		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 580-496273/6
Matrix: Water
Analysis Batch: 496273

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
Benzene			5.00	4.44		ug/L		89	80 - 122	3	14
Toluene			5.00	4.30		ug/L		86	80 - 120	1	13
Ethylbenzene			5.00	4.50		ug/L		90	80 - 120	0	14
m-Xylene & p-Xylene			5.00	4.60		ug/L		92	80 - 120	2	14
o-Xylene			5.00	4.57		ug/L		91	80 - 120	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

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

Lab Sample ID: MB 580-496032/10
Matrix: Water
Analysis Batch: 496032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.15	0.073	mg/L			06/27/25 20:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*06/27/25 20:04*	*1*

Lab Sample ID: LCS 580-496032/7
Matrix: Water
Analysis Batch: 496032

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	1.06		mg/L		106	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: LCSD 580-496032/8
Matrix: Water
Analysis Batch: 496032

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			1.00	1.07		mg/L		107	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-54919/2-A
Matrix: Water
Analysis Batch: 54922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0025	ug/L		07/03/25 08:35	07/03/25 11:11	1

Lab Sample ID: LCS 590-54919/3-A
Matrix: Water
Analysis Batch: 54922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54919

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.125	0.133		ug/L		107	60 - 140		

Lab Sample ID: LCSD 590-54919/4-A
Matrix: Water
Analysis Batch: 54922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54919

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.125	0.132		ug/L		106	60 - 140	1	20

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

Lab Sample ID: MB 590-54920/1-A
Matrix: Water
Analysis Batch: 54932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		07/03/25 10:15	07/03/25 14:24	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		07/03/25 10:15	07/03/25 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*07/03/25 10:15*	*07/03/25 14:24*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*07/03/25 10:15*	*07/03/25 14:24*	*1*

Lab Sample ID: MB 590-54920/1-B
Matrix: Water
Analysis Batch: 54955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		07/03/25 10:15	07/08/25 12:07	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		07/03/25 10:15	07/08/25 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*07/03/25 10:15*	*07/08/25 12:07*	*1*
n-Triacontane-d62	*109*		*50 - 150*	*07/03/25 10:15*	*07/08/25 12:07*	*1*

Lab Sample ID: LCS 590-54920/2-A
Matrix: Water
Analysis Batch: 54932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	1.60	1.26		mg/L		79	50 - 150
Residual Range Organics (RRO) (C25-C36)	1.60	1.43		mg/L		89	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*
n-Triacontane-d62	*95*		*50 - 150*

Lab Sample ID: LCS 590-54920/2-B
Matrix: Water
Analysis Batch: 54955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	1.60	1.11		mg/L		69	50 - 150
Residual Range Organics (RRO) (C25-C36)	1.60	1.35		mg/L		84	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*

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

Lab Sample ID: LCS 590-54920/2-B
Matrix: Water
Analysis Batch: 54955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54920

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Triacontane-d62	*111*		*50 - 150*

Lab Sample ID: LCSD 590-54920/3-A
Matrix: Water
Analysis Batch: 54932

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54920

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.24		mg/L		78	50 - 150	1	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.41		mg/L		88	50 - 150	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*88*		*50 - 150*
n-Triacontane-d62	*96*		*50 - 150*

Lab Sample ID: LCSD 590-54920/3-B
Matrix: Water
Analysis Batch: 54955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54920

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.06		mg/L		66	50 - 150	5	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.29		mg/L		81	50 - 150	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*
n-Triacontane-d62	*112*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 570-594319/1-A
Matrix: Water
Analysis Batch: 594882

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 594319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0053	mg/L		07/08/25 12:08	07/09/25 11:49	1

Lab Sample ID: LCS 570-594319/2-A
Matrix: Water
Analysis Batch: 594882

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 594319

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			0.500	0.492		mg/L		98	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-594319/3-A
Matrix: Water
Analysis Batch: 594882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 594319

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			0.500	0.483		mg/L		97	80 - 120	2	20

Lab Sample ID: 580-151810-1 MS
Matrix: Water
Analysis Batch: 594882

Client Sample ID: MW-1-W-20250623
Prep Type: Total Recoverable
Prep Batch: 594319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		0.500	0.503		mg/L		101	84 - 120		

Lab Sample ID: 580-151810-1 MSD
Matrix: Water
Analysis Batch: 594882

Client Sample ID: MW-1-W-20250623
Prep Type: Total Recoverable
Prep Batch: 594319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		0.500	0.504		mg/L		101	84 - 120	0	7

Lab Chronicle

Client: AECOM
Job ID: 580-151810-1
Project/Site: Chevron- LS115046

Client Sample ID: MW-1-W-20250623
Lab Sample ID: 580-151810-1
Date Collected: 06/23/25 12:54
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 01:06
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 01:06
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 12:00
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 15:28
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 13:12
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:24

Client Sample ID: MW-3-W-20250623
Lab Sample ID: 580-151810-2
Date Collected: 06/23/25 14:19
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 01:29
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 01:29
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 12:16
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 15:50
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 13:33
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:15

Client Sample ID: MW-4-W-20250623
Lab Sample ID: 580-151810-3
Date Collected: 06/23/25 15:26
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 01:53
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 01:53
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 12:33
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 16:11
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 13:55
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:13

Lab Chronicle

Client: AECOM
Job ID: 580-151810-1
Project/Site: Chevron- LS115046

Client Sample ID: MW-5-W-20250623
Lab Sample ID: 580-151810-4
Date Collected: 06/23/25 13:30
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 02:16
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 02:16
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 12:49
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 16:33
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 14:16
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:10

Client Sample ID: MW-6-W-20250623
Lab Sample ID: 580-151810-5
Date Collected: 06/23/25 14:57
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 02:39
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 02:39
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 13:06
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 16:54
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 14:38
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:08

Client Sample ID: MW-7-W-20250623
Lab Sample ID: 580-151810-6
Date Collected: 06/23/25 12:17
Matrix: Water
Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 03:02
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 03:02
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 13:22
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 17:16
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 14:59
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:06

Lab Chronicle

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Client Sample ID: BD-W-20250623

Lab Sample ID: 580-151810-7

Date Collected: 06/23/25 12:00

Matrix: Water

Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496036	TL1	EET SEA	06/28/25 03:26
Total/NA	Analysis	NWTPH-Gx		1	496032	TL1	EET SEA	06/28/25 03:26
Total/NA	Prep	8011			54919	M1M	EET SPK	07/03/25 08:35
Total/NA	Analysis	8011		1	54922	NMI	EET SPK	07/03/25 13:38
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54932	NMI	EET SPK	07/03/25 17:37
Total/NA	Prep	3510C			54920	M1M	EET SPK	07/03/25 10:15
Total/NA	Cleanup	3630C			54954	NMI	EET SPK	07/03/25 10:15
Total/NA	Analysis	NWTPH-Dx		1	54955	NMI	EET SPK	07/08/25 15:21
Total Recoverable	Prep	3005A			594319	PNB2	EET CAL 4	07/08/25 12:08
Total Recoverable	Analysis	6010D		1	594882	K1UV	EET CAL 4	07/09/25 11:03

Client Sample ID: TB-1-20250623

Lab Sample ID: 580-151810-8

Date Collected: 06/23/25 09:00

Matrix: Water

Date Received: 06/26/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	496273	JBT	EET SEA	07/02/25 00:50

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-151810-1
Project/Site: Chevron- LS115046

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Laboratory: Eurofins Spokane

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-025	01-07-26
Oregon	NELAP	4137	12-07-25
Washington	State	C569	01-06-26

Sample Summary

Client: AECOM
Project/Site: Chevron- LS115046

Job ID: 580-151810-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-151810-1	MW-1-W-20250623	Water	06/23/25 12:54	06/26/25 09:45
580-151810-2	MW-3-W-20250623	Water	06/23/25 14:19	06/26/25 09:45
580-151810-3	MW-4-W-20250623	Water	06/23/25 15:26	06/26/25 09:45
580-151810-4	MW-5-W-20250623	Water	06/23/25 13:30	06/26/25 09:45
580-151810-5	MW-6-W-20250623	Water	06/23/25 14:57	06/26/25 09:45
580-151810-6	MW-7-W-20250623	Water	06/23/25 12:17	06/26/25 09:45
580-151810-7	BD-W-20250623	Water	06/23/25 12:00	06/26/25 09:45
580-151810-8	TB-1-20250623	Water	06/23/25 09:00	06/26/25 09:45

Eurofins Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Renee Knecht	Site Contact:	Date:	COC No:
AECOM	Email: renee.knecht@aecom.com	Lab Contact:	Carrier:	1 of 1 COCs
1111 3rd Ave, Suite 1600	Tel/Fax:			TALS Project #:
Seattle, WA 98101	Analysis Turnaround Time			Sampler:
(206) 438-2371 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below _____			Walk-in Client:
Project Name: Chevron LS115046 Goldendale	☐ 2 weeks			Lab Sampling:
Site: 706 S Columbus St, Goldendale, WA	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

580-151810 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX (8260)	EDB (8011)	NWTPH-Dx / HO w/o SGT	NWTPH-Dx / HO w/ SGT	Total Lead (6010)	sVOCs /Naphthalene (8270)
MW-1-W-20250623	6/23/25	1254	G	GW	9	N	N	X	X	X	X	X	X	
MW-3-W-20250623		1419			9	N	N	X	X	X	X	X	X	
MW-4-W-20250623		1526			9	N	N	X	X	X	X	X	X	
MW-5-W-20250623		1330			9	N	N	X	X	X	X	X	X	
MW-6-W-20250623		1457			9	N	N	X	X	X	X	X	X	
MW-7-W-20250623		1217			9	N	N	X	X	X	X	X	X	
BD-W-20250623		1200			9	N	N	X	X	X	X	X	X	
TB-1-20250623		0900			2	N	N		X					

580-151810 Chain of Custody

Therm. ID: 15 Cor: 3.1 ° Unc: 2.8 °
Cooler Dsc: LBlue
Packing: bub
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: FPO
UPS: ___
Lab Cour: ___
Other: ___

Therm. ID: 11 Cor: 1.6 ° Unc: 1.4 °
Cooler Dsc: Green
Packing: bub
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: FPO
UPS: ___
Lab Cour: ___
Other: ___

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	BTS	6/25/25 1430	SHIPPED VIA FEDEX		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: 6-26-25 945
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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

Chain of Custody Record

eurofins | Loc: 580 151810

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Sester, Rachel E	Carrier Tracking No(s): N/A	COC No: 580-146317.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachel.Sester@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-151810-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 7/10/2025			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Chevron- LS115046	Project #: 58021467			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	6010D/3005A(MOD) Total Lead	Total Number of containers	Special Inst
			Preservation Code:						
MW-1-W-20250623 (580-151810-1)	6/23/25	12:54 Pacific	G	Water			X	1	
MW-3-W-20250623 (580-151810-2)	6/23/25	14:19 Pacific	G	Water			X	1	
MW-4-W-20250623 (580-151810-3)	6/23/25	15:26 Pacific	G	Water			X	1	
MW-5-W-20250623 (580-151810-4)	6/23/25	13:30 Pacific	G	Water			X	1	
MW-6-W-20250623 (580-151810-5)	6/23/25	14:57 Pacific	G	Water			X	1	
MW-7-W-20250623 (580-151810-6)	6/23/25	12:17 Pacific	G	Water			X	1	
BD-W-20250623 (580-151810-7)	6/23/25	12:00 Pacific	G	Water			X	1	

580-151810 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7-1-25 1600	Eurofins	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: Jullijud	7/2/25 9:30	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6/3.3, ~~2.4/2.4~~ SC 8

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Sester Rachel E	Carrier Tracking No(s): N/A	COC No: 580-146243.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachel.Sester@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): State Washington		Job #: 580-151810-1
Address: 11922 East 1st Ave,	Due Date Requested: 7/10/2025			Preservation Codes:
City: Spokane	TAT Requested (days): N/A			
State, Zip: WA, 99206				
Phone: 509-924-9200(Tel) 509-924-9290(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Chevron- LS115046	Project #: 58021467			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	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)	8011/8011_Prep(MOD) EDB and DBCP Only	NWTPH_Dx/3510C_LVI_14dDRO and RRO	NWTPH_Dx/3510C_LVI_14dDRO and RRO w/SGC	Total Number of containers	Special Instructions/Note
			Preservation Code:								
MW-1-W-20250623 (580-151810-1)	6/23/25	12:54 Pacific	G	Water			X	X	X	5	
MW-3-W-20250623 (580-151810-2)	6/23/25	14.19 Pacific	G	Water			X	X	X	5	
MW-4-W-20250623 (580-151810-3)	6/23/25	15:26 Pacific	G	Water			X	X	X	5	
MW-5-W-20250623 (580-151810-4)	6/23/25	13:30 Pacific	G	Water			X	X	X	5	
MW-6-W-20250623 (580-151810-5)	6/23/25	14.57 Pacific	G	Water			X	X	X	5	
MW-7-W-20250623 (580-151810-6)	6/23/25	12:17 Pacific	G	Water			X	X	X	5	
BD-W-20250623 (580-151810-7)	6/23/25	12:00 Pacific	G	Water			X	X	X	5	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 6-30-25 1600	Company: Eth	Received by:	Date/Time: 7/2/25 8:01	Company: ESS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-151810-1

Login Number: 151810
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-151810-1

Login Number: 151810
List Number: 3
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 07/02/25 11:52 AM

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	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	3.3,
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-151810-1

Login Number: 151810
List Number: 2
Creator: Desimone, Carson

List Source: Eurofins Spokane
List Creation: 07/02/25 11:40 AM

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

Table 749-1

Simplified Terrestrial Ecological

Evaluation - Exposure Analysis Procedure

under WAC 173-340-7492 (2)(a)(ii).a

Estimate the area of contiguous (connected) undeveloped land on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5 acre). "Undeveloped land" means land that is not covered by existing buildings, roads, paved areas or other barriers that will prevent wildlife from feeding on plants, earthworms, insects or other food in or on the soil.

1) From the table below, find the number of points corresponding to the area and enter this number in the box to the right.	
Area (acres) / Points 0.25 or less — 4 0.5 — 5 1 — 6 1.5 — 7 2 — 8 2.5 — 9 3 — 10 3.5 — 11 4.0 or more — 12	4
2) Is this an industrial or commercial property? See WAC 173-340-7490 (3)(c). If yes, enter a score of 3 in the box to the right. If no, enter a score of 1.	1
3) Enter a score in the box to the right for the habitat quality of the site, using the rating system shown below[b]. (High = 1, Intermediate = 2, Low = 3)	3
4) Is the undeveloped land likely to attract wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. See footnote c.	2

5) Are there any of the following soil contaminants present: Chlorinated dibenzo-p-dioxins/dibenzofurans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4.	4
6) Add the numbers in the boxes on lines 2 through 5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified terrestrial ecological evaluation may be ended under WAC 173-340-7492 (2)(a)(ii).	9

Footnotes:

a It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score (1) for questions 3 and 4.

b Habitat rating system. Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:

Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.

High: Area is ecologically significant for one or more of the following reasons: Late-successional native plant communities present; relatively high species diversity; used by an uncommon or rare species; priority habitat (as defined by the Washington department of fish and wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.

Intermediate: Area does not rate as either high or low.

c Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use by mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.