

**GROUNDWATER MONITORING SUMMARY REPORT
DECEMBER 2015 – DECEMBER 2017
CHELAN CHEVRON
232 East Woodin Avenue
Chelan, Washington**

June 22, 2018

**Prepared for:
Washington State Department of Ecology
1250 West Alder Street
Union Gap, Washington 98903**

**Prepared by:
Leidos, Inc.
18939 120th Avenue NE, Suite 112
Bothell, Washington 98011**

**On Behalf of:
Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, California 94583**

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Russell S. Shropshire, PE
Principal Engineer

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**GROUNDWATER MONITORING SUMMARY REPORT
DECEMBER 2015 – DECEMBER 2017
CHELAN CHEVRON**

1. INTRODUCTION AND OBJECTIVES

Leidos, Inc. (Leidos), on behalf of Chevron Environmental Management Company (Chevron), prepared this report to summarize the results of groundwater monitoring activities conducted between December 2015 and December 2017 at the Chelan Chevron site (the Site), located at 232 East Woodin Avenue in Chelan, Washington (Figure 1). Groundwater monitoring activities at the Site are being performed pursuant to the terms of Agreed Order No. DE 10629, which was entered into by Chevron and the Washington State Department of Ecology (Ecology) in June 2014.

Groundwater monitoring at the Site is currently performed on a quarterly basis, as proposed in Leidos' Supplemental Remedial Investigation (SRI) Work Plan – Phase 1, dated May 22, 2015 (Leidos, 2015A). A comprehensive summary of groundwater monitoring results for the Site was most recently provided to Ecology as part of the SRI Report – Phase 1 (Leidos, 2015B), which was submitted to Ecology on December 14, 2015 and presented groundwater monitoring results through September 2015. Therefore, this report presents the results of groundwater monitoring performed after September 2015 and through December 2017.

2. SUMMARY OF GROUNDWATER MONITORING FIELD ACTIVITIES

Groundwater monitoring activities at the Site are performed on a quarterly basis by Gettler-Ryan Inc. (Gettler-Ryan), on behalf of Chevron. Each monitoring event generally consists of the following activities:

- Depth-to-product (DTP), if present, and depth-to-water (DTW) measurements in 25 monitoring wells (monitoring well MW-29 is currently not monitored due to worker safety concerns associated with this well's location in an active travel lane of Sanders Street).
- Collection of groundwater samples from 13 monitoring wells (MW-5, MW-6, MW-7, MW-8, MW-15, MW-17, MW-18, MW-21, MW-23, MW-27, MW-28, MW-38, and MW-39) screened in the shallow perched water bearing zone underlying the Site;
- Collection of groundwater samples from three monitoring wells (MW-30, MW-31, and MW-37) screened in the deeper water-table aquifer at the Site; and
- Inspection and maintenance (if necessary) of all monitoring wells at the Site.

Monitoring well purging and sampling are performed by low-flow groundwater sampling procedures, using a submersible bladder pump (due to the depth of groundwater at the Site, which prevents the use of a peristaltic pump). Additional details regarding Gettler-Ryan's monitoring and sampling procedures are provided in their standard operating procedures, which are included in their groundwater monitoring and sampling data packages presented in Appendix A.

During the reporting period for this report, Gettler-Ryan conducted the following eight quarterly groundwater monitoring events.

- 4th Quarter 2015 – December 9, 2015
- 1st Quarter 2016 – March 14 - 15, 2016
- 2nd Quarter 2016 – June 22 - 23, 2016
- 3rd Quarter 2016 – September 11 - 12, 2016
- 1st Quarter 2017 – March 19 - 20, 2017
- 2nd Quarter 2017 – June 19 – 21, 2017
- 3rd Quarter 2017 – October 16 – 18, 2017
- 4th Quarter 2017 – December 3 – 5, 2017

Please note that no groundwater monitoring activities were performed during the 4th quarter period of 2016 due to winter weather conditions that prevented Gettler-Ryan from accessing the Site on two separate attempts. Also, the 3rd quarter 2017 monitoring event was delayed until October 2017 due to fires in the Chelan area at the time of the originally scheduled event in September 2017.

3. LABORATORY ANALYSIS OF GROUNDWATER SAMPLES

All groundwater samples collected by Gettler-Ryan are submitted to Eurofins Lancaster Laboratories Environmental (Lancaster) for the following analyses:

- Total petroleum hydrocarbons as gasoline-range organics (GRO) by Ecology Method NWTPH-Gx;
- Total petroleum hydrocarbons as diesel-range organics (DRO) and total petroleum hydrocarbons as heavy-oil-range (HRO) by Ecology Method NWTPH-Dx extended (this analysis is run on samples prepared both with and without silica gel cleanup);
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and Ethylene dichloride (EDC) by USEPA Method 8260B¹;
- Ethylene dibromide (EDB) by USEPA Method 8011¹;
- Total lead by USEPA Method 6010B²; and
- Dissolved lead by USEPA Method 6010B².

Samples from select monitoring wells are also submitted for the following additional analyses for evaluation of natural attenuation indicators:

- Ferrous iron (Fe²⁺) by USEPA Method SM 3500-Fe B modified-1997;
- Nitrate and sulfate by USEPA Method 300.0;
- Dissolved manganese by USEPA 6010B;
- Methane by RSKSOP-175 modified; and
- Alkalinity by SM 2320 B-1997.

¹ Analysis for BTEX and EDC by Method 8260 and EDB by Method 8011 was initiated in September 2016, following a request by Ecology to analyze groundwater samples for EDB and EDC. Prior to this time, BTEX analysis was performed by Method 8021B.

² Analysis for total lead and dissolved lead was initiated in March 2017 in response to Ecology comments on the October 5, 2016 agency review draft version of the Supplemental Remedial Investigation Work Plan – Phase 2.

4. GROUNDWATER MONITORING AND SAMPLING RESULTS

4.1 GROUNDWATER ELEVATION MONITORING RESULTS

Recent and long-term historical groundwater elevation monitoring results (dating back as far as 1992) are presented in Table 1. Groundwater elevation data for the current reporting period are also presented in groundwater contour maps, included as Figures 3 through 10. As these figures show, groundwater flow in the shallow perched aquifer (which is represented by all monitoring wells except for MW-30, MW-31, and MW37) is generally to the southwest; however, localized southeasterly gradients toward the central portion of the Site, near MW-16 and MW-25, are also present. Within the shallow perched aquifer, groundwater elevation is consistently lowest at monitoring well MW-16.

Within the current reporting period, four quarters of groundwater elevation monitoring were completed that included the newest monitoring wells at the Site, MW-38 and MW-39. These monitoring wells were installed in November 2016, as part of the SRI Phase 2 field activities, in order to further assess the potential for communication between the shallow perched aquifer and Lake Chelan. The screen interval for each of these wells was selected to allow monitoring for the potential presence of groundwater throughout the normal lake surface elevation change cycle, which is typically maintained within a range of 1,084 to 1,100 feet. However, the current license minimum level for the lake is 1,079 feet. Based on this information, monitoring wells MW-38 and MW-39 were each constructed with 25-foot screen intervals extending from approximately 1,075 to 1,100 feet.

To date, groundwater elevation collected from monitoring wells MW-38 and MW-39 indicate that a continuous water bearing zone is not present in the southwestern portion of the Site that would connect the shallow perched aquifer to Lake Chelan. In monitoring well MW-38, groundwater has been detected at elevations of 1074.92 to 1075.02 feet, which is the approximate bottom depth of the well. In monitoring well MW-39, groundwater has been detected at elevations of 1072.64 to 1075.29. The bottom of the screen interval of this monitoring well is approximately 1075 feet. Since the installation of monitoring wells MW-38 and MW-39, the minimum recorded surface elevation for Lake Chelan was 1,085.60 feet, which occurred in March 2017.

The apparent absence of the shallow perched aquifer in the southwestern portion of the Site is consistent with historical groundwater monitoring results for all of the other monitoring wells that have been installed in this area that were not screened in the deeper water table aquifer, with the exception of monitoring well MW-9. Groundwater monitoring data from these eleven former monitoring wells, which include MW-11, MW-11D, MW-13, MW-14, MW-20, MW-24, MW-26, MW-32, MW-33, MW-34, and MW-35, indicate that these wells were consistently dry or did not contain sufficient groundwater for sample collection. When a water surface level was measured, it can generally be determined to be some minimal thickness of water that was present in the bottom cap of the well screen, similar to what has recently been observed at monitoring wells MW-38 and MW-39.

Appendix B presents groundwater elevation hydrographs for most of the monitoring wells that are regularly monitored at the Site³. These graphs provide long-term historical groundwater elevation data plotted over time and also include lake surface elevation data for Lake Chelan, as well as actual and average monthly and annual precipitation data. Evaluation of these data provides the following insight regarding groundwater elevation behavior at the Site.

- Although some evidence of seasonal fluctuation in groundwater elevation is observed that is associated with the lake, groundwater elevation trends appear to be more related to longer-term trends in annual precipitation.
- Since the beginning of groundwater elevation data collection at the Site in 1992, three periods of above average annual precipitation for a period of two or more years have occurred (1995-1998, 2005-2007, and 2016-2017), which have resulted in increases in groundwater elevation in the monitoring wells existing at those times. Within the shallow perched aquifer, these long-term precipitation trends appear to have a greater impact on groundwater elevation trends than does the seasonal surface level elevation change of Lake Chelan.
- Groundwater elevation data collected during the current reporting period indicate that groundwater elevation at the Site have recently increased to a historical high that has not previously been observed in monitoring wells at the Site that were installed in 2001 or after. The current groundwater elevation high appears to be reaching similar levels as were previously observed in monitoring wells MW-5 through MW-8 during the period from approximately August 1995 through February 2001.
- At the downgradient edge of the shallow perched aquifer, which is currently defined by data from monitoring well MW-16, long-term groundwater elevation data collected since 2001 indicate that groundwater in this area has consistently been below the surface level elevation for Lake Chelan.
- At the western-most boundary of Site, which is delineated by monitoring well MW-23, long-term groundwater elevation data indicate that groundwater in this area is affected by seasonal fluctuations in the surface level elevation for Lake Chelan. Within this area, a groundwater gradient from the lake toward MW-23 appears to exist during sustained periods of below-average annual rainfall (e.g., 2003-2004). However, during periods of above-average annual rainfall, a gradient from MW-23 toward the lake appears to be present during low-water elevation periods for the lake (e.g., 2016-2017).
- Groundwater elevation within the monitoring wells screened in the deep aquifer (MW-30, MW31, and MW-37) appear to track generally consistent with seasonal surface level elevation changes for Lake Chelan.

As discussed further in Sections 4.2 and 4.3, the recent long-term trend of rising groundwater elevation appears to be related to the first occurrence of LNAPL and monitoring well MW-21, as well as trends of increased thickness at monitoring wells MW-16 and MW-21. This rising

³ Groundwater elevation hydrographs for monitoring wells MW-9 and MW-10 are not included because each of these wells previously went through a period during which LNAPL was present; however, a groundwater and LNAPL interface was not present in the well. Therefore, groundwater elevation could not be calculated for these wells during that timeframe.

groundwater elevation trend is also likely the cause of the increasing dissolved-phase contaminant concentration trend recently observed in monitoring well MW-17.

4.2 LNAPL OCCURRENCE AND THICKNESS MONITORING RESULTS

The following table provides a summary of LNAPL occurrence and thickness measurements for the reporting period from December 2015 through December 2017, for the twelve monitoring wells at the Site that have historically contained LNAPL. LNAPL occurrence and thickness data, for the eight monitoring wells in which LNAPL was detected, is also presented on Figure 11.

Monitoring Well ID	No. of Monitoring Events Performed in the Reporting Period	No. of Monitoring Events in which LNAPL was Detected	Range of LNAPL Thickness Detected (feet)
MW-7	8	0	Not Detected
MW-9	8	8	2.80 – 9.06
MW-10	8	8	0.78 – 9.83
MW-12	8	8	1.61 – 4.35
MW-15	8	0	Not Detected
MW-16	8	8	0.15 – 15.78
MW-19	8	0	Not Detected
MW-21	8	7	0.00 – 15.29
MW-22	8	0	Not Detected
MW-25	8	8	0.01 – 0.26
MW-27	8	7	0.00 – 12.04
MW-36	8	1	0.00 – 0.06

When evaluating long-term LNAPL thickness data for the Site, the following information should be considered:

- Up until February 2015, Gettler-Ryan typically bailed LNAPL from monitoring wells in which it was found to be present. However, LNAPL bailing by Gettler-Ryan was discontinued after the February 2015 monitoring event in order to allow LNAPL thickness to return to equilibrium levels in anticipation of LNAPL transmissivity testing for the SRI Phase 1 field activities.

- In July 2015, LNAPL transmissivity testing was performed at monitoring wells MW-10, MW-12, and MW-16. The results of this testing were reported in the SRI – Phase 1 summary report (Leidos, 2015B).
- On April 1, 2016, LNAPL was removed from monitoring wells MW-9, MW-10, MW-12, MW-16, MW-21, MW-25, and MW-27 for collection of samples for LNAPL fingerprinting analysis.
- In November 2017, LNAPL transmissivity testing was performed at monitoring wells MW-9, MW-10, MW-12, MW-16, MW-21, and MW-27. This event is the cause of the significant reduction in LNAPL thickness seen when comparing the results of the October 2017 and December 2017 monitoring events.

The following observations are considered noteworthy with regard to our further understanding the occurrence and behavior of LNAPL at the Site:

- LNAPL was first detected in monitoring well MW-21 during the current reporting period (March 14, 2016) and LNAPL thickness in this well has been measured at thicknesses greater than 15 feet. This well has been regularly monitored since its installation in March 2003 and LNAPL was never previously detected. However, soil and groundwater sampling results from this well have consistently indicated relatively high levels of GRO and benzene impact in this area.
- In March 2016, LNAPL reoccurred in monitoring well MW-27 after not being detected in that well since 2011. LNAPL was previously detected in this well between May 2009 and May 2011 at thicknesses ranging from 0.02 to 0.67 foot. However since March 2016, LNAPL has been detected at thicknesses ranging from 5.76 to 12.04 feet.
- A trend of increased LNAPL thickness also appears to exist for monitoring well MW-16; however, this trend is less clear due to regular LNAPL bailing that occurred at this well prior to February 2015.
- At monitoring well MW-10, LNAPL thickness appears to have generally decreased since March 2016 and groundwater is now being encountered in this well. LNAPL gauging data for this well collected from August 2012 through June 2015 indicated that only LNAPL was present in the fluid column contained in the well.
- LNAPL gauging data for monitoring well MW-9 appears to be following a similar trend as monitoring wells MW-16, MW-21, and MW-27.
- Trends of increasing LNAPL thickness have not been observed in monitoring wells MW-7, MW-15, MW-19, MW-22, MW-25, or MW-36.

Based on the currently available data set, trends of increasing LNAPL thickness observed since March 2016 in monitoring wells MW-9, MW-16, MW-21, and MW-27 are believed to be due to the historically high groundwater elevation levels that have been present in these wells since that time (groundwater elevation levels throughout the Site increased approximately three or more feet between the December 2015 and March 2016 and have remained at historically high elevations through December 2017). At this time, it is less clear why other monitoring wells that have historically contained measurable LNAPL have not displayed similar trends. However, it is likely that at least some portion of the LNAPL mass existing in the vicinity of monitoring wells MW-9, MW-16, MW-21, and MW-27 is present within confined conditions, which is resulting in additional mobility of LNAPL to the low-pressure voids provided by an open monitoring well casing. However, additional monitoring of groundwater elevation and LNAPL thickness is necessary to more fully understand the occurrence of LNAPL at the Site.

LNAPL was also reportedly detected at a thickness of 0.02 foot in monitoring well MW-8 on March 14, 2016; however, LNAPL was not detected in this well on April 1, 2016 during a follow-up gauging event by Leidos to confirm the March 2016 measurements made by Gettler-Ryan. LNAPL has never been detected at monitoring well MW-8 during previous or subsequent monitoring events, and sampling results for dissolved-phase petroleum constituents are not consistent with the presence of LNAPL in this monitoring well. Therefore, Leidos believes that the reported detection of LNAPL in this well on March 14, 2016 is an erroneous reading that is likely due to a user or equipment error by Gettler-Ryan.

4.3 GROUNDWATER SAMPLING RESULTS – PETROLEUM CONSTITUENTS

Groundwater sampling results for the analysis of petroleum constituents are presented in Table 1 and a summary of recent sampling results are also presented on Figure 11, which shows the current distribution of dissolved-phase petroleum impacts to groundwater throughout the Site. As these data indicate, the following substances were detected above their respective MTCA Method A cleanup levels during the current reporting period:

- GRO in monitoring wells MW-6, MW-7, MW-15, MW-17, and MW-21. The maximum concentration of GRO detected was 74,000 micrograms per liter ($\mu\text{g/L}$) at MW-17.
- DRO in monitoring well MW-6, MW-7, MW-15, MW-17, MW-18, MW-21, and MW-27. The maximum concentration of DRO detected was 36,000 $\mu\text{g/L}$ at MW-7.
- HRO in monitoring wells MW-7, MW-15, MW-18, MW-21, MW-27, MW-30, and MW-37. The maximum concentration of HRO detected was 5,500 $\mu\text{g/L}$ at MW-27.
- Benzene in monitoring wells MW-6, MW-7, MW-17, and MW-21. The maximum concentration of benzene detected was 1,700 $\mu\text{g/L}$ at MW-21.
- Toluene in monitoring well MW-17. The maximum concentration of toluene detected was 2,600 $\mu\text{g/L}$.
- Ethylbenzene in monitoring well MW-17. The maximum concentration of ethylbenzene detected was 2,400 $\mu\text{g/L}$.
- Total xylene at monitoring well MW-17. The maximum concentration of total xylene detected was 10,000 $\mu\text{g/L}$.
- EDB at monitoring wells MW-7, MW-15, and MW-17. The maximum concentration of EDB detected was 1.40 at MW-17.
- Total lead at monitoring wells MW-5, MW-7, MW-8, MW-15, MW-17, MW-18, MW-23, MW-28, and MW-30,

4.4 GROUNDWATER SAMPLING RESULTS – NATURAL ATTENUATION INDICATOR PARAMETERS

Groundwater sampling results for natural attenuation indicator parameters are presented in Table 2. Evaluation of the natural attenuation data indicate that natural attenuation of dissolved-phase petroleum impacts is on-going at the Site. The following data trends provide support for this conclusion:

- Nitrate – Anaerobic biodegradation of petroleum compounds can occur using nitrate as an electron acceptor. Therefore, reductions of nitrate concentrations in groundwater may indicate that natural attenuation through anaerobic reduction of nitrate is occurring. Evidence that natural attenuation through anaerobic reduction of nitrate is occurring at

the Site is provided by depleted concentrations of nitrate at monitoring well MW-21 for sampling results from May 2009 through December 2015, and depleted concentrations of nitrate at MW-17 from September 2015 through December 2017 (note that this trend of depleted nitrate at MW-17 closely corresponds with the trend of increased benzene and GRO concentrations that were also observed within this timeframe).

- Alkalinity – Biologically active portions of a dissolved-phase contaminant plume may be identified by increases of alkalinity resulting from the production of carbon dioxide during the biodegradation of organic carbon. Alkalinity monitoring data presented in Table 2 indicate the higher levels of alkalinity are generally associated with monitoring wells MW-6, MW-7, MW-15, MW-17, and MW-21, which are also the monitoring wells containing the highest concentrations of dissolved-phase petroleum constituents.
- Methane – The presence of methane in groundwater is indicative of methanogenesis, which results in the production of methane during biodegradation of organic carbon. Evidence of methanogenesis occurring at the Site is suggested by the methane sampling results for monitoring well MW-17.
- Ferrous iron – Anaerobic biodegradation of organic carbon can occur using ferric iron (FeIII) as an electron acceptor that is reduced to ferrous iron (FeII), which is more soluble in water. Therefore, increases in ferrous iron concentrations in groundwater may be an indicator that petroleum compounds are being degraded through anaerobic reduction of ferric iron. Evidence of anaerobic reduction of ferric iron at the Site is suggested by increased concentrations of ferrous iron observed at monitoring wells MW-17 and MW-21.

5. SUMMARY AND CONCLUSIONS

Groundwater elevation data collected during the current reporting period indicate that groundwater elevation at the Site have recently increased to a historical high that has not previously been observed in monitoring wells at the Site that were installed in 2001 or after. The current groundwater elevation high appears to be reaching similar levels as were previously observed in monitoring wells MW-5 through MW-8 during the period from approximately August 1995 through February 2001.

Apparently in association with this groundwater increase, LNAPL was first observed in monitoring well MW-21 and LNAPL thickness has increased in monitoring wells MW-9, MW-16, and MW-27. During this period, LNAPL thickness appears to have decreased in monitoring well MW-10. This apparent difference in LNAPL behavior suggests that LNAPL is present in varying conditions at the Site. The trend of LNAPL thickness increases in response to rising groundwater elevation observed at monitoring wells MW-9, MW-16, MW-21, and MW-27 suggests that LNAPL may be present under confined conditions at these locations. Under confined conditions, the recent increases in groundwater elevation would impart additional pressure on LNAPL beneath a confining layer, which could result in additional LNAPL mobility to low-pressure voids, like monitoring wells present at the Site. Recent LNAPL behavior at monitoring well MW-10 suggests that LNAPL at this well is now under unconfined conditions. Under these conditions LNAPL thickness levels would tend to decrease in association with rising groundwater elevation, as the gradient for LNAPL drainage to the well is reduced by the rise of groundwater.

The current historical high for groundwater elevation has also impacted dissolved-phase concentrations of petroleum constituents at the Site. At monitoring well MW-17, the groundwater rise has resulted in increases of GRO and benzene concentrations of one or more orders of magnitude, as groundwater has apparently risen into an interval of more heavily impacted soil in this area. At monitoring well MW-15 the opposite is true. The rise of groundwater in this area has likely resulted in further dilution of the dissolved-phase impacts present in this area of the Site.

Results of sampling for natural attenuation indicator parameters indicate that anaerobic geochemical processes are likely contributing to natural biodegradation of dissolved-phase petroleum constituents in groundwater.

Groundwater monitoring and sampling results collected during the current reporting period indicate that significant changes in conditions at the Site have changed since December 2015. However, these changes appear to be primarily driven by the significant rise in groundwater elevation that occurred during this time. Groundwater sampling results from the last eight quarters of monitoring suggest that groundwater contaminant concentration trends are generally stable on an annual seasonal basis. Variability in contaminant concentration trends appears to be more likely dependent on long-term groundwater elevation trends, as is suggested by recent increases in contaminant concentrations at monitoring well MW-17.

Based on this lack of annual seasonal variability in groundwater contaminant concentrations, and considering the current extent of LNAPL occurrence within the shallow perched aquifer at the Site, Leidos believes that minimal benefit will be provided by continuing the extensive level of quarterly groundwater sampling that has been performed at the Site since September 2015. However, quarterly monitoring of groundwater elevation and LNAPL thickness should continue. Therefore, we propose the following modifications to the groundwater monitoring plan going forward at the Site:

- Groundwater elevation and product thickness measurements will continue on a quarterly basis;
- Groundwater sampling frequency will be reduced from a quarterly to a semiannual basis, with sampling events to be conducted during March and September of each year.
- Groundwater sample analysis for natural attenuation parameters will be suspended at this time. Therefore, analysis for ferrous iron, nitrate, sulfate, dissolved manganese, methane, and alkalinity will not be performed.

6. REFERENCES

Leidos (2015a). “Supplemental Remedial Investigation Work Plan – Phase 1, Chevron Service Station No. 9-6590.” May 22.

Leidos (2015b). “Supplemental Remedial Investigation Report – Phase 1, Chevron Service Station No. 9-6590.” December 14.

LIMITATIONS

This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and Leidos shall have no responsibility or liability for the consequences thereof.

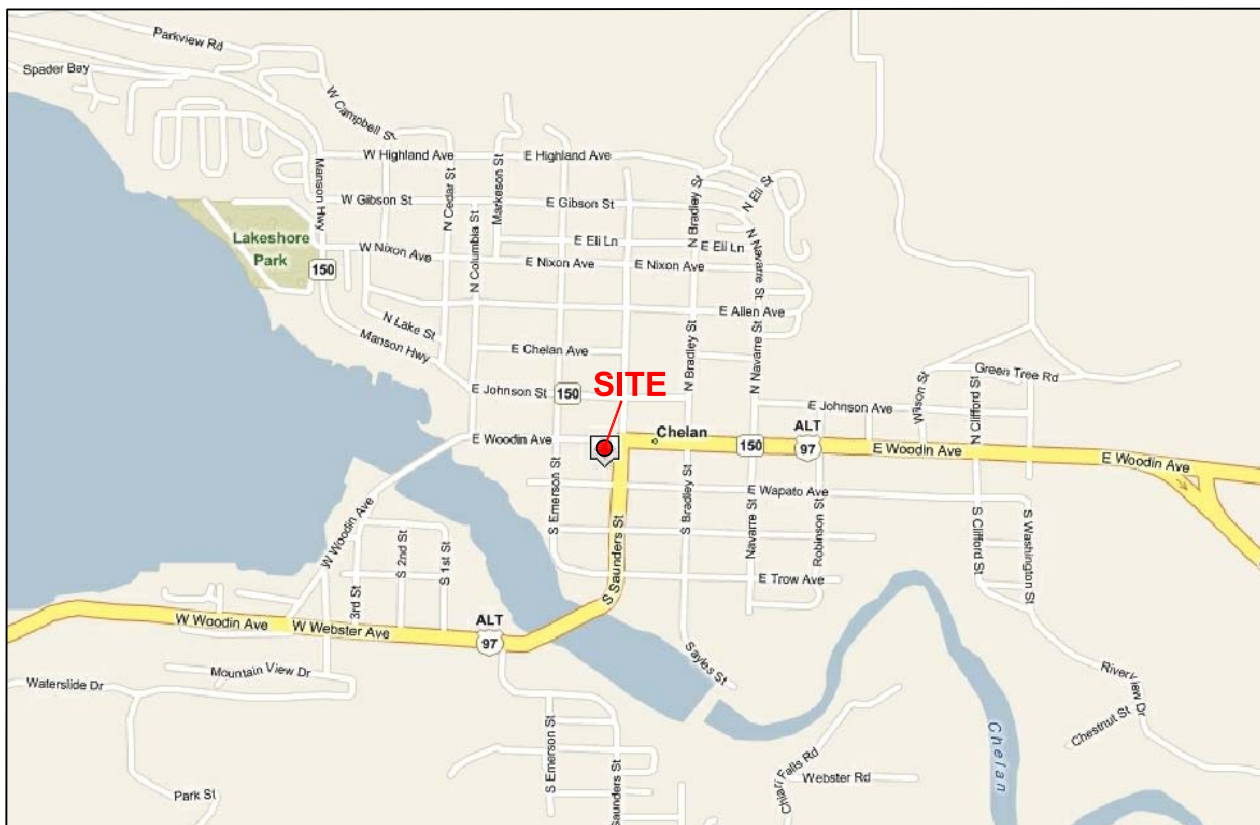
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from Chevron and others. Leidos has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of Leidos site visits or site work and cannot be applied to conditions and features of which Leidos is unaware and has not had the opportunity to evaluate.

All sources of information on which Leidos has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied on by Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.

Figures



Maps Provided by Google Maps

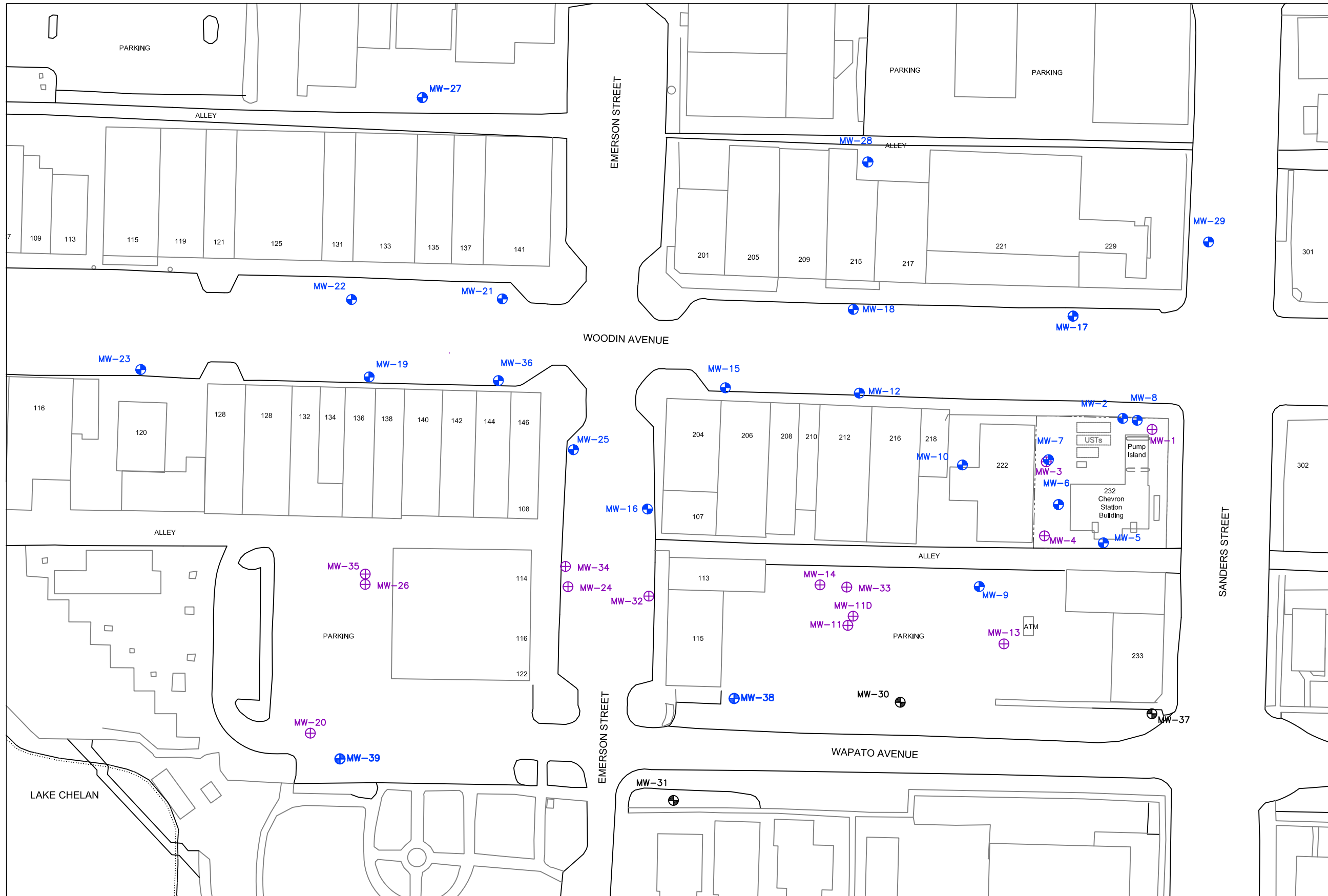
Chevron Service Station No. 96590
 232 East Woodin Avenue
 Chelan, Washington

FIGURE 1
 Vicinity Map

FILE NAME:
 96590_VM.dwg

DATE:
 2/11/2014





- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address

NOTES

Base Map from City of Chelan, 1994

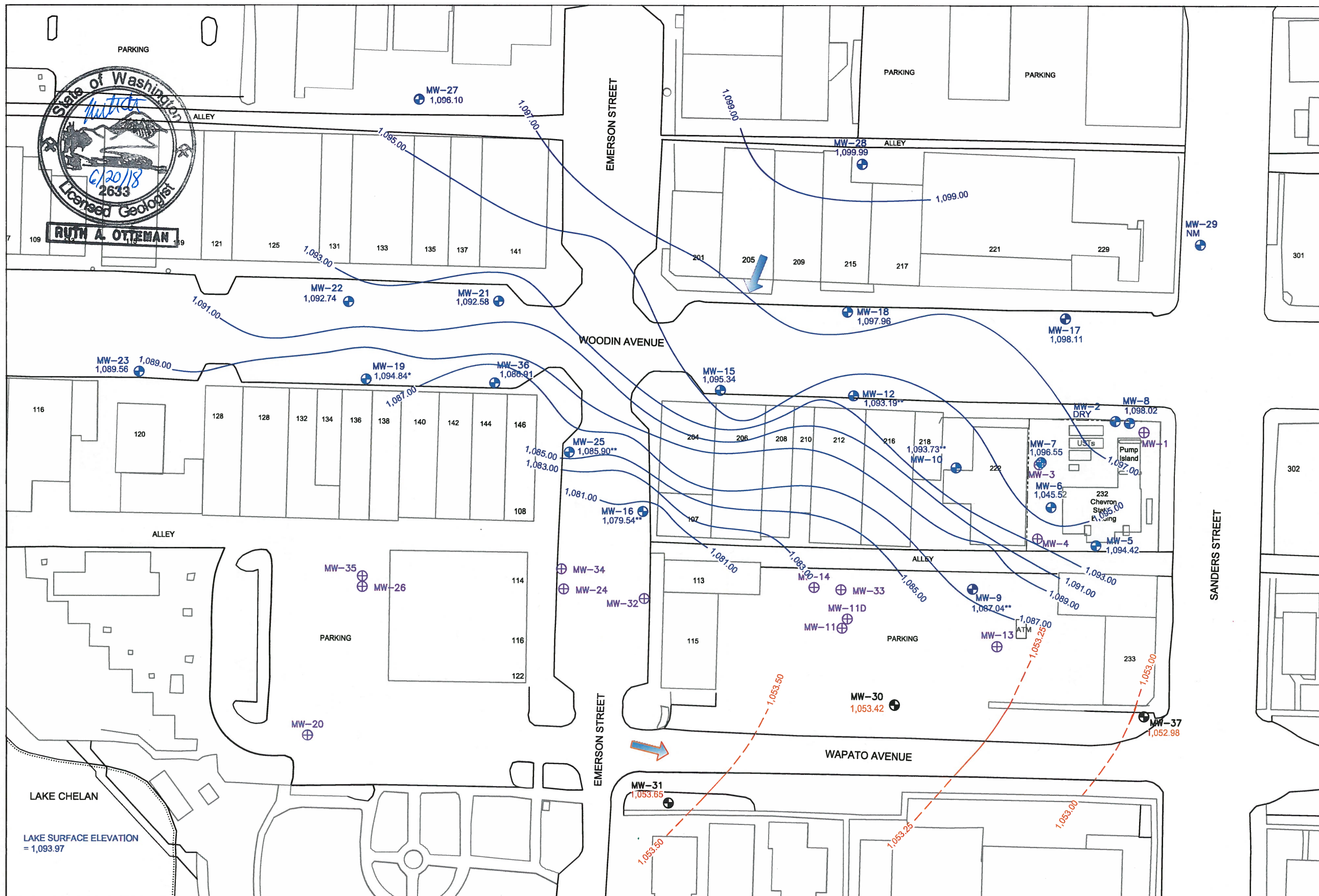
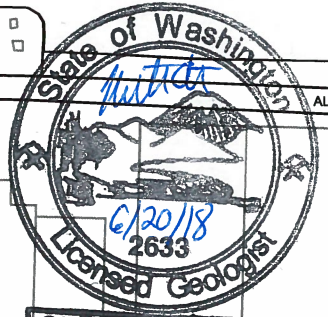
Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)



Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 2
Site Map

FILE NAME: 96590_Site Map_2018.dwg	DATE: 6/18/2018
---------------------------------------	--------------------



- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,104.56 Perched Aquifer Groundwater Elevation (Feet)
 - 1,057.22 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,096.47** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - Approximate Perched Aquifer Flow Direction at a Gradient of 0.02 to 0.25
 - Approximate Deep Aquifer Flow Direction at a Gradient of 0.005
 - NM Not Monitored Due to Unsafe Location
 - 1,099.84* Groundwater elevation not used in contour



NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

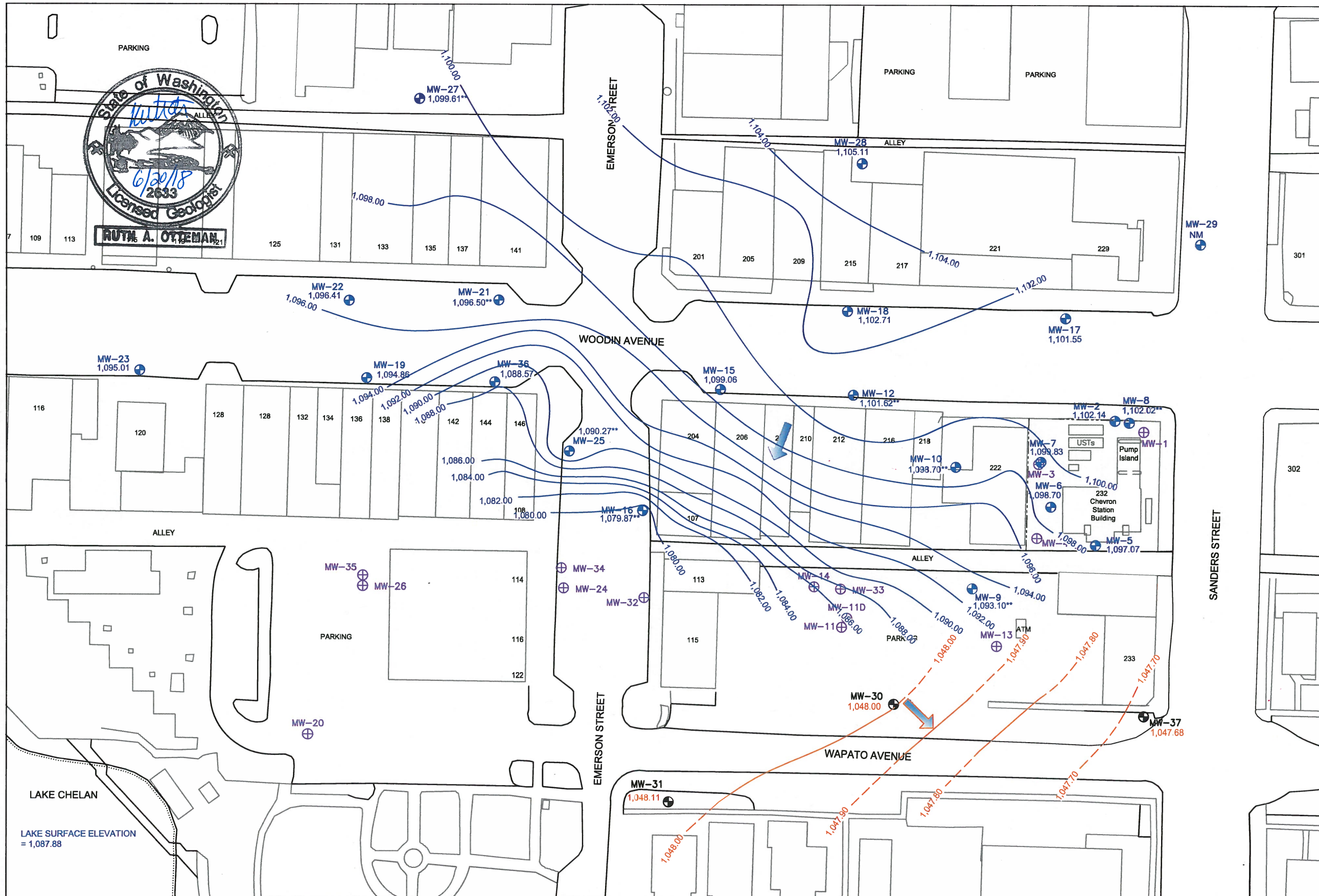
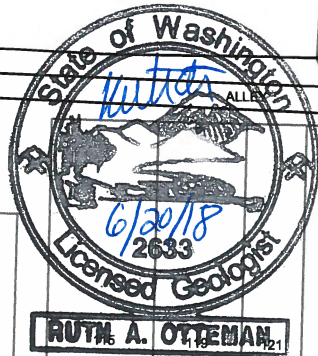
Lake Chelan surface elevation data provided by Chelan County PUD.



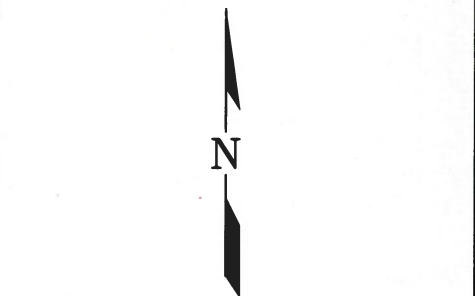
Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 3
Groundwater Contour Map
December 9, 2015

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 ⊕ Perched Groundwater Monitoring Well
 - MW-30 ⊕ Deep Groundwater Monitoring Well
 - MW-1 ⊕ Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,104.56 Perched Aquifer Groundwater Elevation (Feet)
 - 1,057.22 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.1 Foot Interval (Dashed Where Inferred)
 - 1,102.02** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - ← Approximate Perched Aquifer Flow Direction at a Gradient of 0.02 to 0.5
 - ← Approximate Deep Aquifer Flow Direction at a Gradient of 0.002 to 0.003
 - NM Not Monitored Due to Unsafe Location
 - 1,099.84* Groundwater elevation not used in contour



NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

Lake Chelan surface elevation data provided by Chelan County PUD.

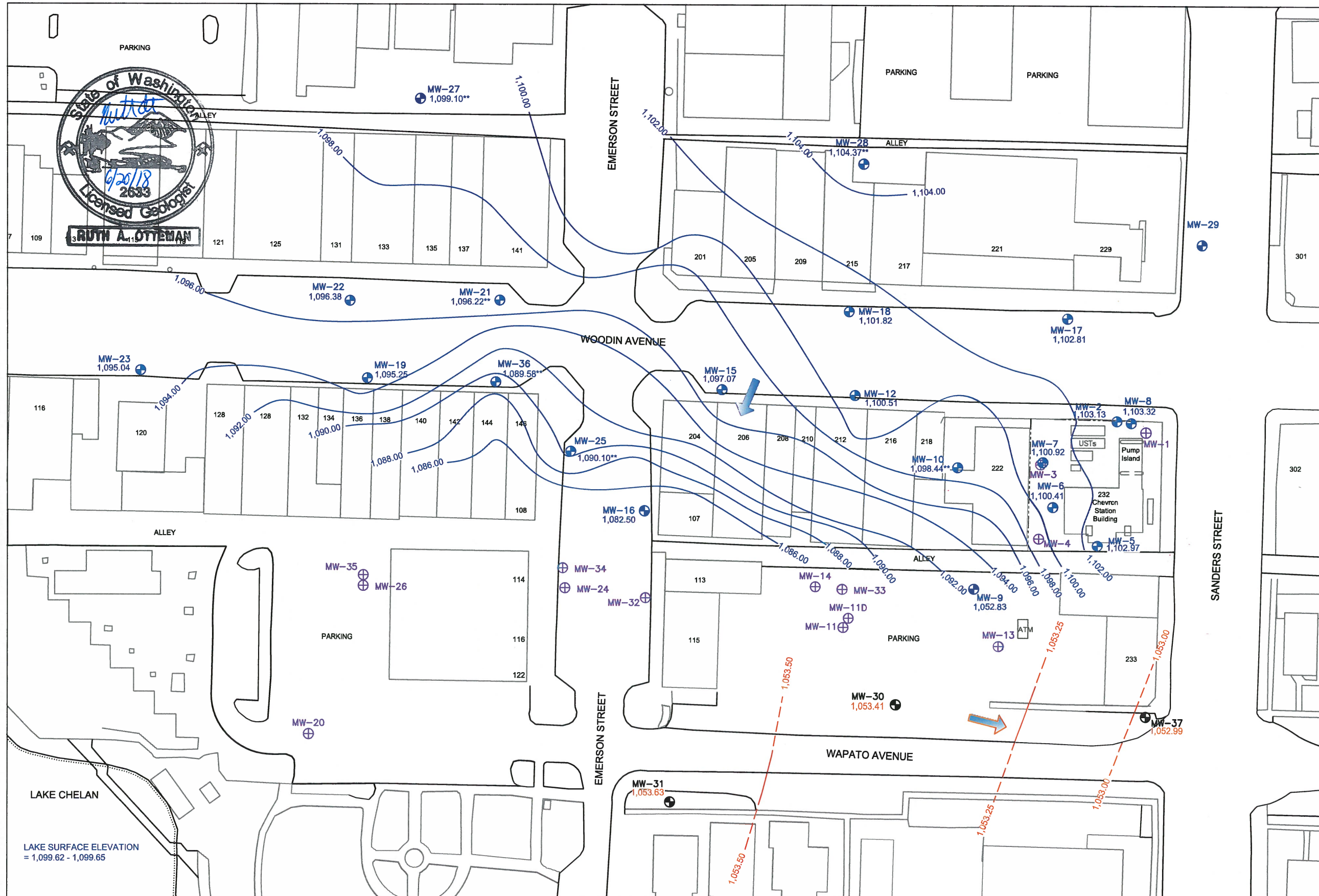
LAKE CHELAN
LAKE SURFACE ELEVATION = 1,087.88



Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 4
Groundwater Contour Map
March 14-15, 2016

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 ⊕ Perched Groundwater Monitoring Well
 - MW-30 ⊕ Deep Groundwater Monitoring Well
 - MW-1 ⊕ Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,102.81 Perched Aquifer Groundwater Elevation (Feet)
 - 1,052.99 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,099.10** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - ← Approximate Perched Aquifer Flow Direction at a Gradient of 0.018 to 0.2
 - ← Approximate Deep Aquifer Flow Direction at a Gradient of 0.0014 to 0.0028
 - NM Not Monitored Due to Unsafe Location

NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

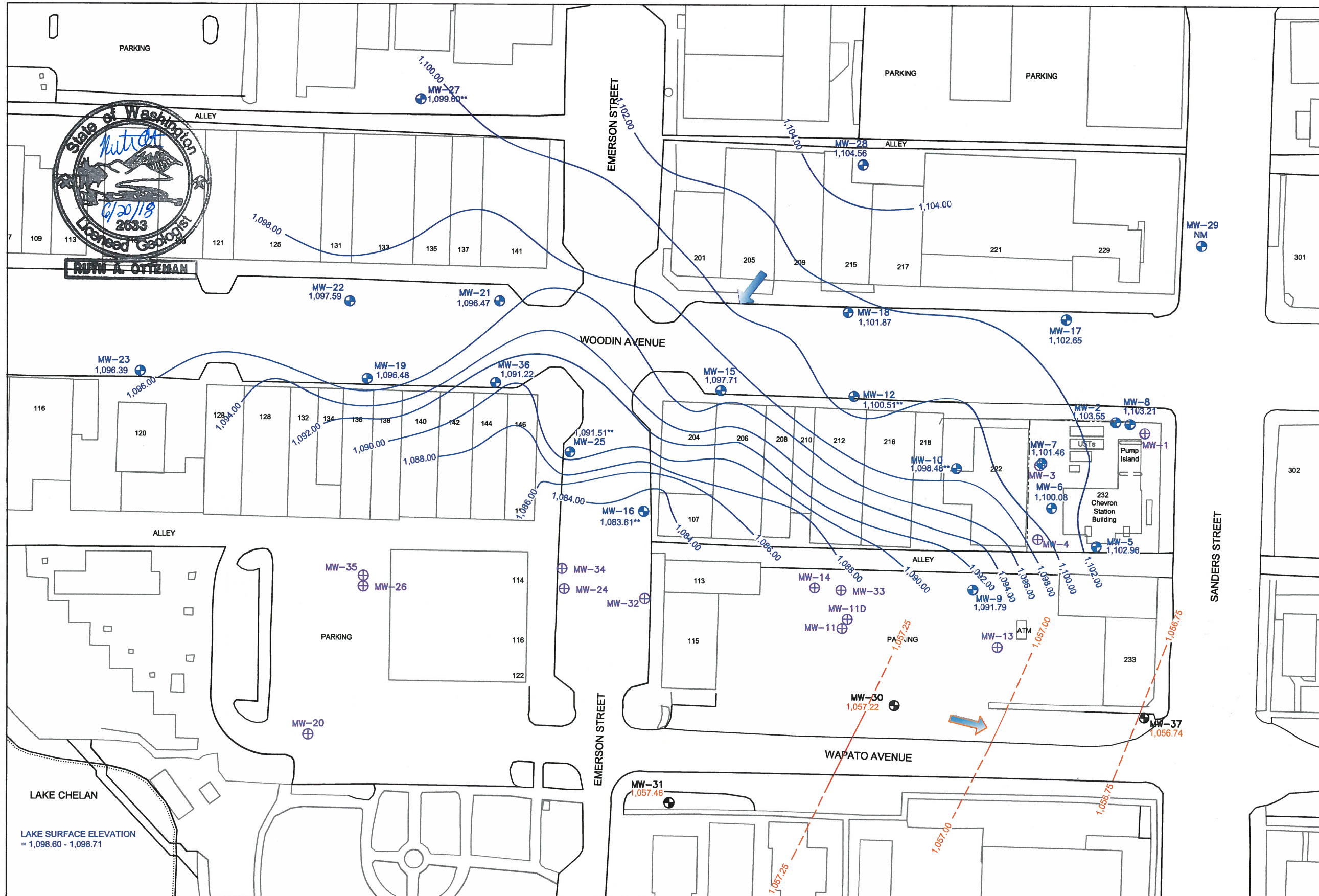
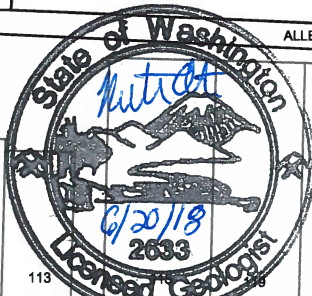
Lake Chelan surface elevation data provided by Chelan County PUD.



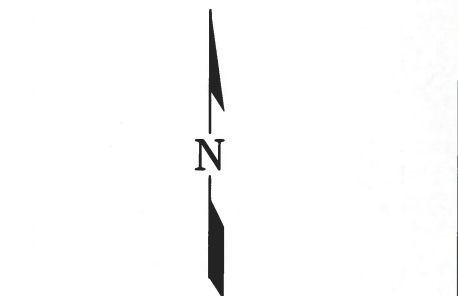
Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 5
Groundwater Contour Map
June 22-23, 2016

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,104.56 Perched Aquifer Groundwater Elevation (Feet)
 - 1,057.22 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,096.47** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - Approximate Perched Aquifer Flow Direction at a Gradient of 0.02 to 0.25
 - Approximate Deep Aquifer Flow Direction at a Gradient of 0.005
 - NM Not Monitored Due to Unsafe Location

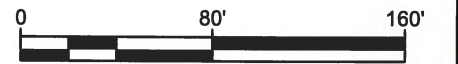


NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

Lake Chelan surface elevation data provided by Chelan County PUD.



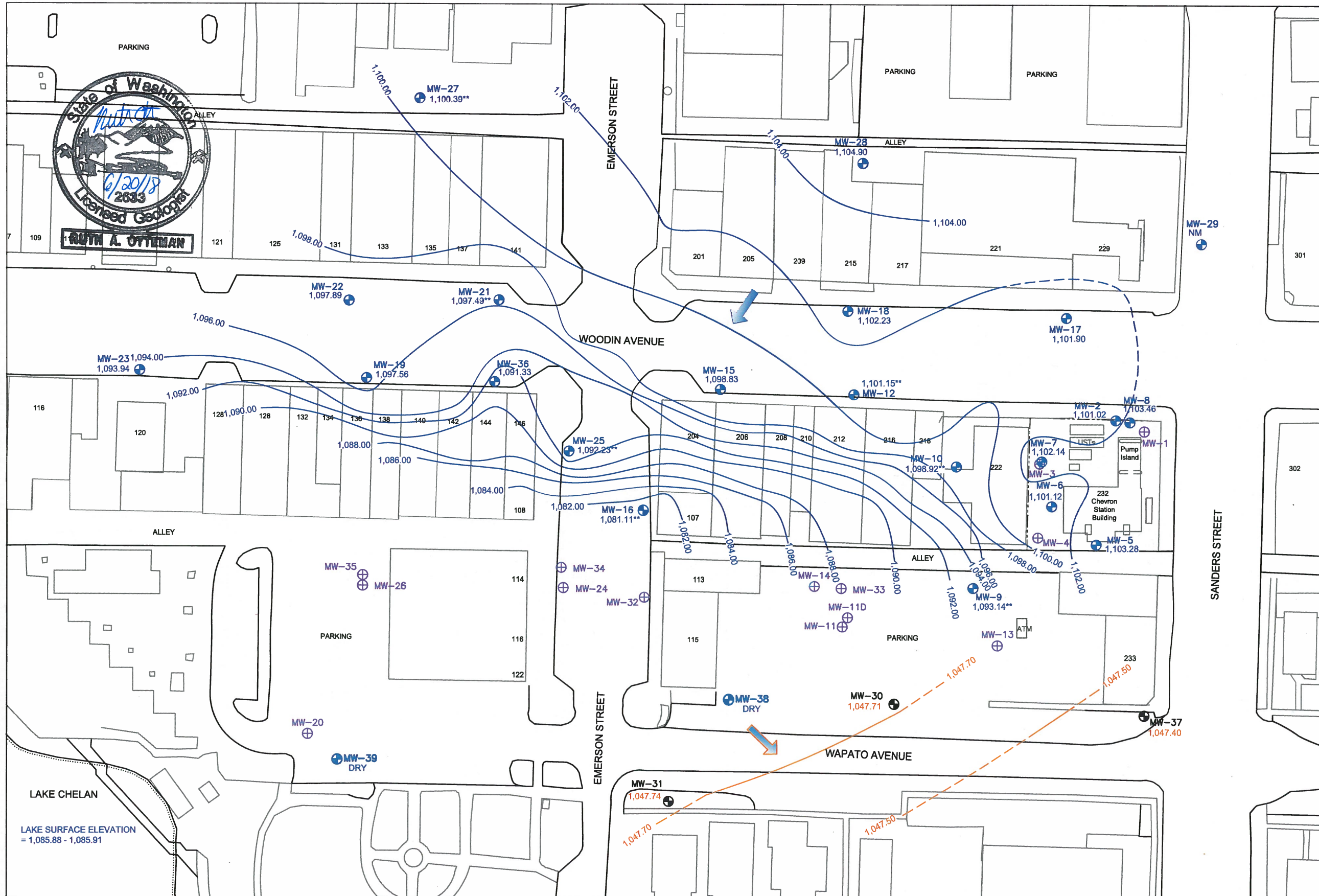
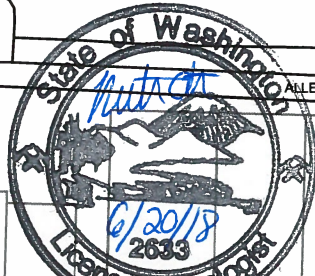
LAKE CHELAN
LAKE SURFACE ELEVATION
= 1,098.60 - 1,098.71



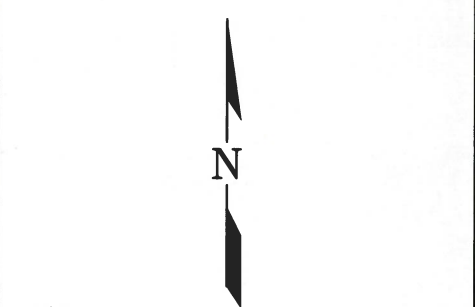
Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 6
Groundwater Contour Map
September 11-12, 2016

FILE NAME: 96590_Site_Map_2018.dwg	DATE: 6/20/2018
---------------------------------------	--------------------



- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,102.23 Perched Aquifer Groundwater Elevation (Feet)
 - 1,047.71 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.20 Foot Interval (Dashed Where Inferred)
 - 1,101.15** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - Approximate Perched Aquifer Flow Direction at a Gradient of 0.014 to 0.25
 - Approximate Deep Aquifer Flow Direction at a Gradient of 0.0025
 - NM Not Monitored Due to Unsafe Location



NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

Lake Chelan surface elevation data provided by Chelan County PUD.

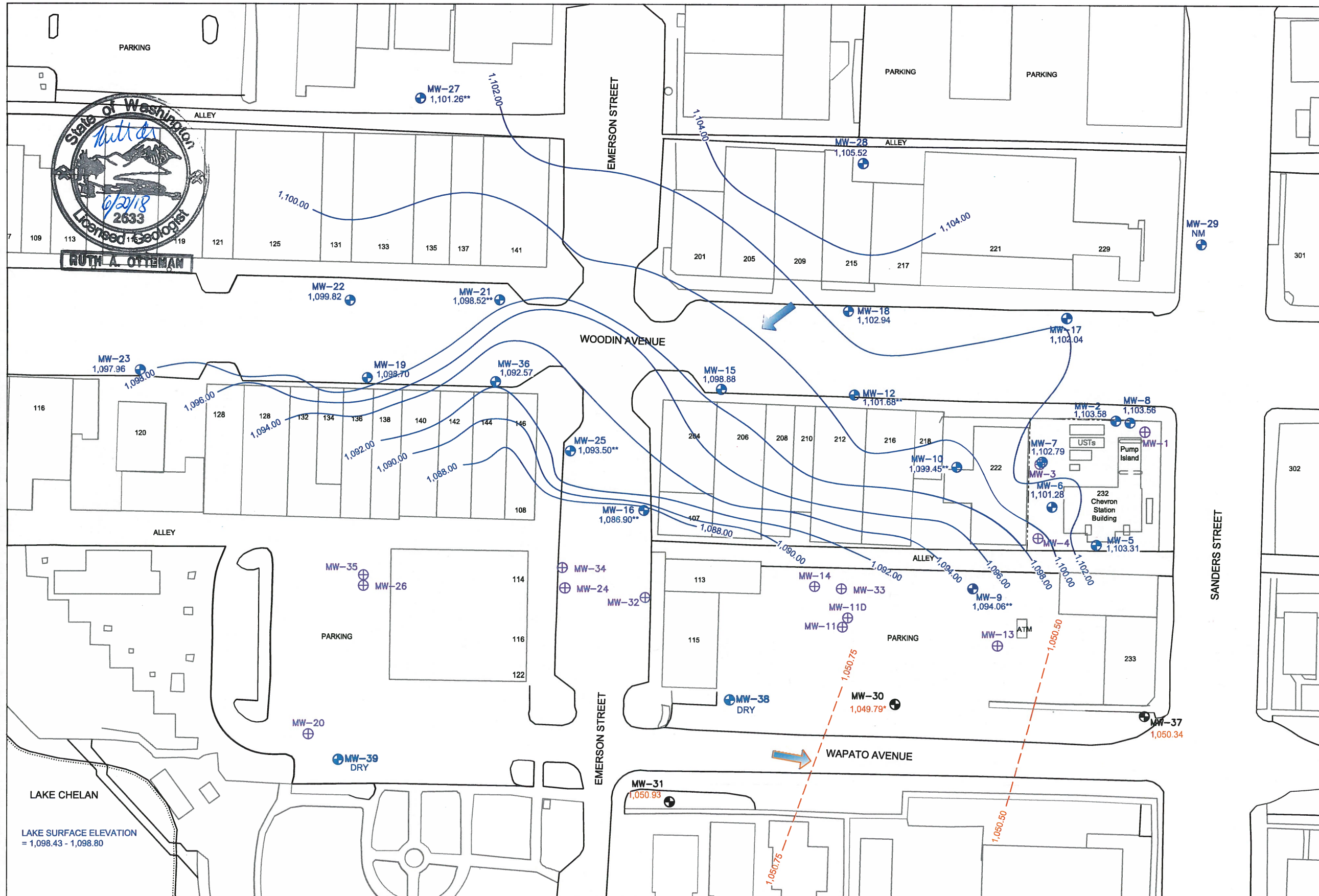
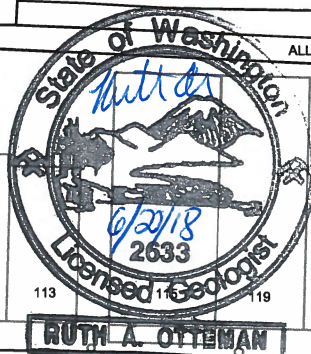
LAKE CHELAN
LAKE SURFACE ELEVATION
= 1,085.88 - 1,085.91



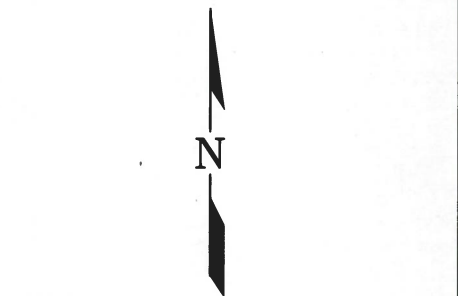
Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 7
Groundwater Contour Map
March 19-20, 2017

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 ⊕ Perched Groundwater Monitoring Well
 - MW-30 ⊕ Deep Groundwater Monitoring Well
 - MW-1 ⊕ Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,102.23 Perched Aquifer Groundwater Elevation (Feet)
 - 1,047.71 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,101.15** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - ← Approximate Perched Aquifer Flow Direction at a Gradient of 0.016 to 0.25
 - ← Approximate Deep Aquifer Flow Direction at a Gradient of 0.0015
 - NM Not Monitored Due to Unsafe Location
 - 1,049.75* Groundwater Elevation not used in contour map



NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

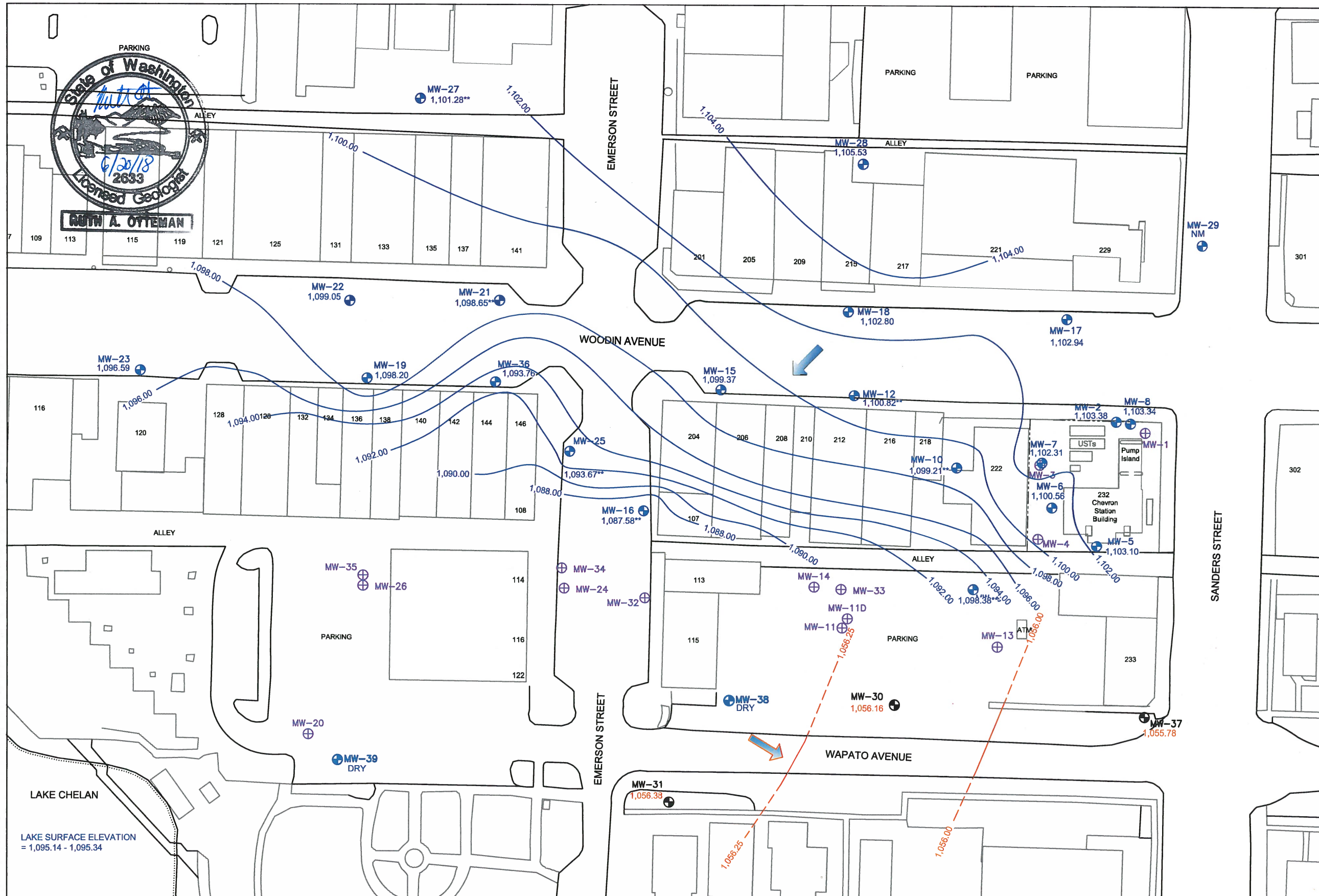
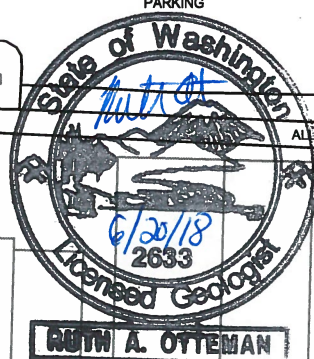
Lake Chelan surface elevation data provided by Chelan County PUD.



Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 8
Groundwater Contour Map
June 19-21, 2017

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,102.80 Perched Aquifer Groundwater Elevation (Feet)
 - 1,056.38 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,098.65** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - Approximate Perched Aquifer Flow Direction at a Gradient of 0.023 to 0.25
 - Approximate Deep Aquifer Flow Direction at a Gradient of 0.0019
 - NM Not Monitored Due to Unsafe Location

NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

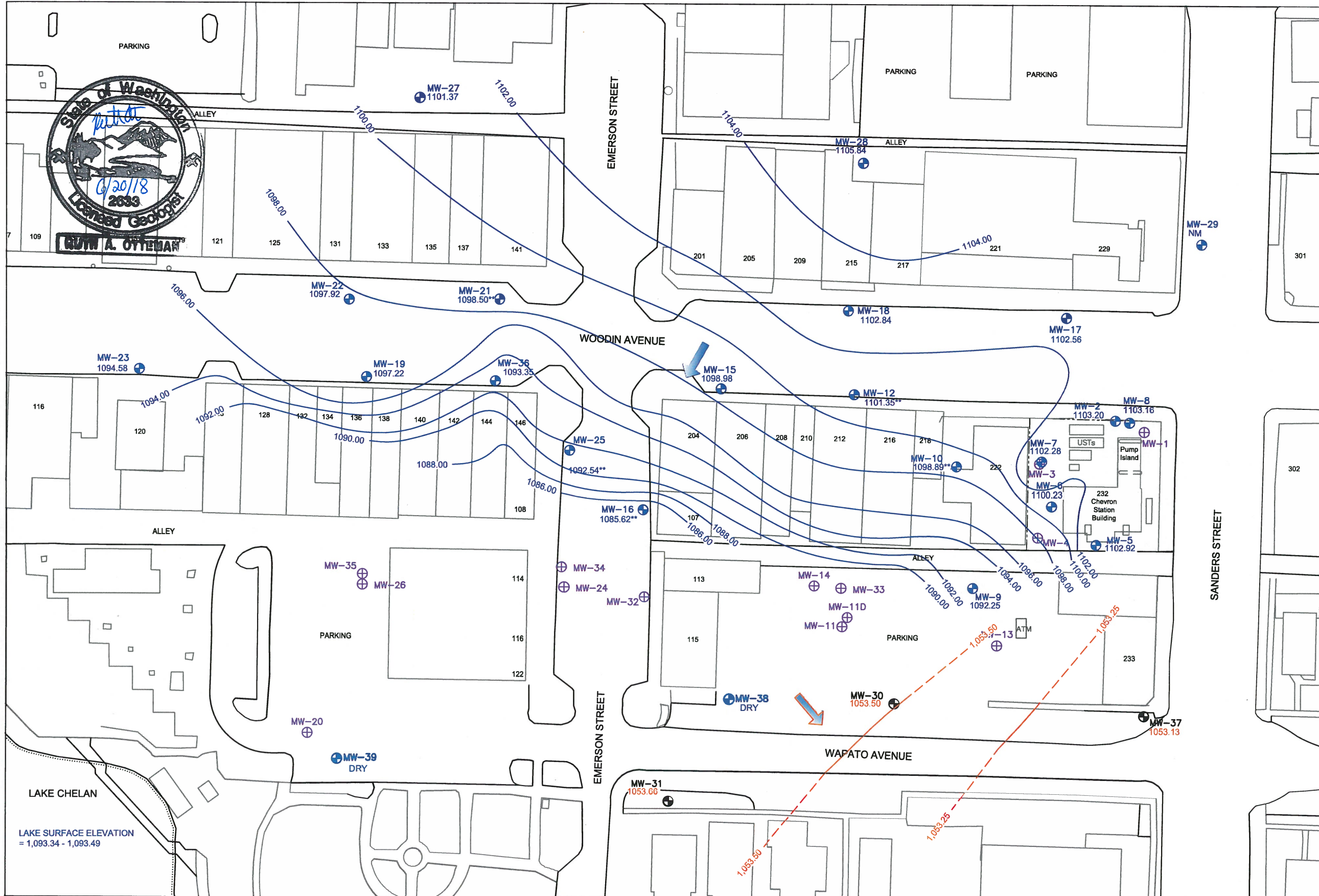
Lake Chelan surface elevation data provided by Chelan County PUD.



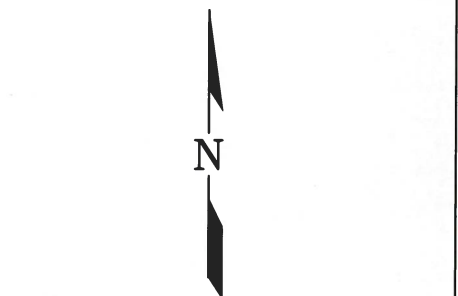
Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 9
Groundwater Contour Map
October 16-18, 2017

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018



- LEGEND**
- MW-2 Perched Groundwater Monitoring Well
 - MW-30 Deep Groundwater Monitoring Well
 - MW-1 Abandoned Dry Monitoring Well
 - 204 Street Address
 - 1,105.84 Perched Aquifer Groundwater Elevation (Feet)
 - 1,053.90 Deep Aquifer Groundwater Elevation (Feet)
 - Perched Aquifer Groundwater Elevation Contour at a 2.00 Foot Interval (Dashed Where Inferred)
 - Deep Aquifer Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
 - 1,101.35** Groundwater Elevation Corrected for the Presence of Light Nonaqueous-Phase Liquid (LNAPL)
 - Approximate Perched Aquifer Flow Direction at a Gradient of 0.02 to 0.33
 - Approximate Deep Aquifer Flow Direction at a Gradient of 0.003
 - NM Not Monitored Due to Unsafe Location



NOTES

Base Map from City of Chelan, 1994

Additional Reference Material:
Aerial Photograph from September 1991
(Washington State Department of Natural Resources)

Lake Chelan surface elevation data provided by Chelan County PUD.



Chevron Service Station No. 96590
232 East Woodin Avenue
Chelan, Washington

FIGURE 10
Groundwater Contour Map
December 3-5, 2017

FILE NAME: 96590_Site Map_2018.dwg DATE: 6/20/2018

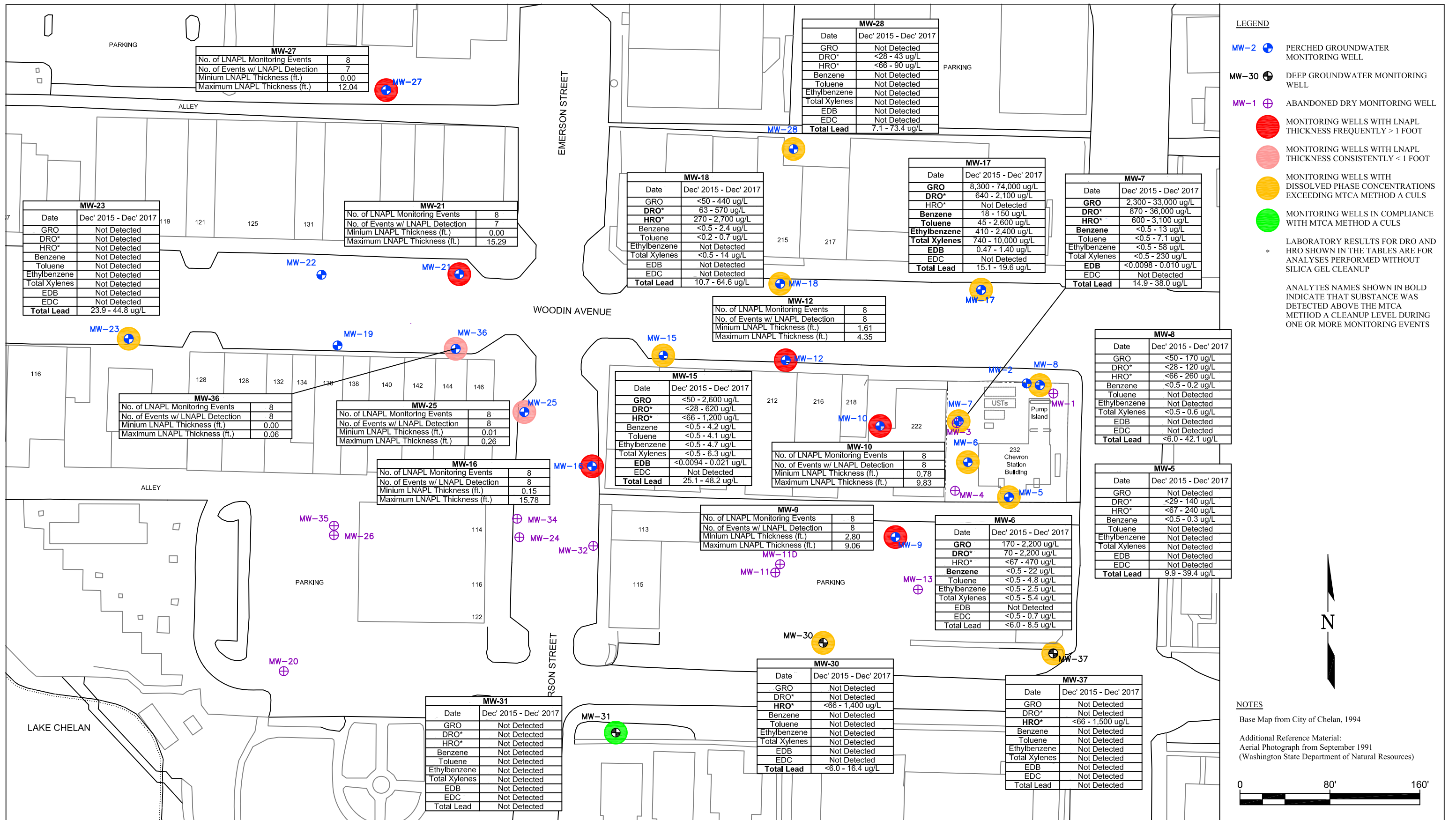


FIGURE 11
Groundwater Sampling and LNAPL
Monitoring Results

FILE NAME: 96590_Site Map_2018.dwg DATE: 06/20/2018



Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	Not Detected
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	Not Detected

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	<66 - 1,400 ug/L
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	<6.0 - 16.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	<66 - 1,500 ug/L
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	Not Detected

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	Not Detected
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	23.9 - 44.8 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 440 ug/L
DRO*	63 - 570 ug/L
HRO*	270 - 2,700 ug/L
Benzene	<0.5 - 2.4 ug/L
Toluene	<0.2 - 0.7 ug/L
Ethylbenzene	Not Detected
Total Xylenes	<0.5 - 14 ug/L
EDB	Not Detected
EDC	Not Detected
Total Lead	10.7 - 64.6 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	8,300 - 74,000 ug/L
DRO*	640 - 2,100 ug/L
HRO*	Not Detected
Benzene	18 - 150 ug/L
Toluene	45 - 2,600 ug/L
Ethylbenzene	410 - 2,400 ug/L
Total Xylenes	740 - 10,000 ug/L
EDB	0.47 - 1.40 ug/L
EDC	Not Detected
Total Lead	15.1 - 19.6 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 170 ug/L
DRO*	<28 - 120 ug/L
HRO*	<66 - 260 ug/L
Benzene	<0.5 - 0.2 ug/L
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	<0.5 - 0.6 ug/L
EDB	Not Detected
EDC	Not Detected
Total Lead	<6.0 - 42.1 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	<29 - 140 ug/L
HRO*	<67 - 240 ug/L
Benzene	<0.5 - 0.3 ug/L
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	9.9 - 39.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	170 - 2,200 ug/L
DRO*	70 - 2,200 ug/L
HRO*	<67 - 470 ug/L
Benzene	<0.5 - 22 ug/L
Toluene	<0.5 - 4.8 ug/L
Ethylbenzene	<0.5 - 2.5 ug/L
Total Xylenes	<0.5 - 5.4 ug/L
EDB	Not Detected
EDC	<0.5 - 0.7 ug/L
Total Lead	<6.0 - 8.5 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	<66 - 1,400 ug/L
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	<6.0 - 16.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	170 - 2,200 ug/L
DRO*	70 - 2,200 ug/L
HRO*	<67 - 470 ug/L
Benzene	<0.5 - 22 ug/L
Toluene	<0.5 - 4.8 ug/L
Ethylbenzene	<0.5 - 2.5 ug/L
Total Xylenes	<0.5 - 5.4 ug/L
EDB	Not Detected
EDC	<0.5 - 0.7 ug/L
Total Lead	<6.0 - 8.5 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	<29 - 140 ug/L
HRO*	<67 - 240 ug/L
Benzene	<0.5 - 0.3 ug/L
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	9.9 - 39.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	Not Detected
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	23.9 - 44.8 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	170 - 2,200 ug/L
DRO*	70 - 2,200 ug/L
HRO*	<67 - 470 ug/L
Benzene	<0.5 - 22 ug/L
Toluene	<0.5 - 4.8 ug/L
Ethylbenzene	<0.5 - 2.5 ug/L
Total Xylenes	<0.5 - 5.4 ug/L
EDB	Not Detected
EDC	<0.5 - 0.7 ug/L
Total Lead	<6.0 - 8.5 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	<29 - 140 ug/L
HRO*	<67 - 240 ug/L
Benzene	<0.5 - 0.3 ug/L
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	9.9 - 39.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	Not Detected
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	23.9 - 44.8 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<0.5 - 6.3 ug/L
EDB	<0.0094 - 0.021 ug/L
EDC	Not Detected
Total Lead	25.1 - 48.2 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	170 - 2,200 ug/L
DRO*	70 - 2,200 ug/L
HRO*	<67 - 470 ug/L
Benzene	<0.5 - 22 ug/L
Toluene	<0.5 - 4.8 ug/L
Ethylbenzene	<0.5 - 2.5 ug/L
Total Xylenes	<0.5 - 5.4 ug/L
EDB	Not Detected
EDC	<0.5 - 0.7 ug/L
Total Lead	<6.0 - 8.5 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	<29 - 140 ug/L
HRO*	<67 - 240 ug/L
Benzene	<0.5 - 0.3 ug/L
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	9.9 - 39.4 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	Not Detected
DRO*	Not Detected
HRO*	Not Detected
Benzene	Not Detected
Toluene	Not Detected
Ethylbenzene	Not Detected
Total Xylenes	Not Detected
EDB	Not Detected
EDC	Not Detected
Total Lead	23.9 - 44.8 ug/L

Date	Dec' 2015 - Dec' 2017
GRO	<50 - 2,600 ug/L
DRO*	<28 - 620 ug/L
HRO*	<66 - 1,200 ug/L
Benzene	<0.5 - 4.2 ug/L
Toluene	<0.5 - 4.1 ug/L
Ethylbenzene	<0.5 - 4.7 ug/L
Total Xylenes	<

Tables

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-1	1/9/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-2	1/9/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/93	1,123.89	--	21.69	0.00	1,102.20	690,000	130,000	--	15,000	16	140	25	13,000	--	--	--	--	--
	6/17/93	1,123.89	--	21.41	0.00	1,102.48	67,000	53,000	--	2,200	3.5	29	0.7	100	--	--	--	--	39
	9/10/93	1,123.89	--	21.04	0.00	1,102.85	84,000	120,000	--	13,000	12	100	9.7	440	--	--	--	--	200
	11/19/93	1,123.89	--	21.45	0.00	1,102.44	62,000	67,000	--	6,100	3.1	35	5.2	200	--	--	--	--	260
	3/10/94	1,123.89	--	21.39	0.00	1,102.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/8/94	1,123.89	--	21.41	0.00	1,102.48	63,000	71,000	--	12,000	ND	14	5.9	210	--	--	--	--	36.9
	8/24/94	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/94	1,123.89	--	21.53	0.00	1,102.36	330,000	220,000	--	22,000	ND	9.6	16	300	--	--	--	--	490
	2/22/95	1,123.89	--	21.23	0.00	1,102.66	100,000	15,000	ND	9,400	ND	7.2	2.2	94	--	--	--	--	11
	5/9-10/95	1,123.89	--	21.77	0.00	1,102.12	--	--	--	1,400	0.56	2.7	0.98	45	--	--	--	--	6.8
	8/15/95	1,123.89	--	21.50	0.00	1,102.39	--	2,300	940	6,700	600	160	280	750	--	--	--	--	--
	11/6/95	1,123.89	--	21.13	0.00	1,102.76	--	8,200	1,600	1,400	ND	0.78	ND	64	--	--	--	--	--
	2/27/96	1,123.89	--	20.25	0.00	1,103.64	--	3,000	ND	7,200	ND	ND	ND	940	--	--	--	--	--
	8/13/96	1,123.89	--	20.28	0.00	1,103.61	--	30,900	ND	3,190	ND	ND	2.68	35.1	--	--	--	--	--
	2/11/97	1,123.89	--	22.64	0.00	1,101.25	--	17,400	2,090	3,150	ND	ND	ND	ND	--	--	--	--	--
	9/23/97	1,123.89	--	20.30	0.00	1,103.59	--	12,300	ND	3,270	26	134	200	116	--	--	--	--	--
	3/3/98	1,123.89	--	20.10	0.00	1,103.79	--	1,600	ND	13,400	37.5	869	267	1,540	--	--	--	--	--
	9/23/98	1,123.89	--	20.24	0.00	1,103.65	--	894	ND	21,600	ND	1,460	650	3,730	--	--	--	--	--
	3/20/99	1,123.89	--	20.31	0.00	1,103.58	--	20,200	19,200	30,900	ND	1,800	737	5,240	--	--	--	--	--
	9/2/99	1,123.89	--	20.72	0.00	1,103.17	--	3,090	ND	12,600	9.31	244	380	1,740	--	--	--	--	--
	5/10/00	1,123.89	21.16	21.16	Sheen	1,102.73	--	--	--	23,800	ND	89.9	184	920	ND	--	--	--	--
11/11/00	1,123.89	--	21.11	0.00	1,102.78	--	4,850	791	7,200	21.4	14.4	30.4	52.1	7.21	--	--	--	--	
2/19/01	1,123.89	--	21.38	0.00	1,102.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/26/01	1,123.89	--	21.44	0.00	1,102.45	--	2,690	ND	2,740	8.72	ND	6.04	17.0	ND'	--	--	--	--	
5/25/01	1,123.89	--	23.27	0.00	1,100.62	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	
8/17/01	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/01	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/24/02	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-2 (cont.)																			
	7/1/03	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,123.89	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/15	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,123.89	NOT SAMPLED DUE TO OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,123.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,123.89	--	21.75	0.00	1,102.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,123.89	--	20.76	0.00	1,103.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,123.89	--	20.64	0.00	1,103.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19-20/17	1,123.89	--	22.87	0.00	1,101.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,123.89	--	20.31	0.00	1,103.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,123.89	--	20.50	0.00	1,103.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,123.89	--	20.69	0.00	1,103.20	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3																			
	1/9/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/93	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/93	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/10/93	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/93	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/94	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-3 (cont.)																			
	5/8/94	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/94	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/94	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/22/95	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/9-10/95	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/95	1,124.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/95	1,124.86	--	24.55	--	1,100.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/96	1,124.86	--	24.30	--	1,100.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/96	1,124.86	--	22.20	--	1,102.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/97	1,124.86	--	22.95	--	1,101.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/97	1,124.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/98	1,124.86	--	21.85	--	1,103.01	--	428	ND	59	0.630	0.643	ND	ND	--	--	--	--	--
	9/23/98	1,124.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19/01	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/10/00	1,124.86	--	24.57	0.00	1,100.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20-21/01	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/01	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/03	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,124.86	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4																			
	1/9/92	1,123.30	--	24.37	--	1,098.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/92	1,123.30	--	24.30	--	1,099.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,123.30	--	24.35	--	1,098.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,123.30	--	24.30	--	1,099.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	1,123.30	--	24.34	--	1,098.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,123.30	--	24.31	--	1,123.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,123.30	--	24.33	--	1,098.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,123.30	--	24.29	--	1,099.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/93	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/93	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/10/93	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/93	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/94	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/8/94	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/94	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-4 (cont.)																			
	11/16/94	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/22/95	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/9-10/95	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/95	1,123.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/95	1,123.30	--	24.50	--	1,098.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/96	1,123.30	--	23.22	--	1,100.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/96	1,123.30	--	23.22	--	1,100.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/97	1,123.30	--	22.65	--	1,100.65	--	1,310	1,400	72.8	4.64	0.610	ND	3.36	--	--	--	--	--
	9/23/97	1,123.30	--	21.40	--	1,101.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/98	1,123.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/98	1,123.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/2/99	1,123.30	--	22.31	0.00	1,100.99	--	876	1,060	151	0.789	1.95	2.48	15.0	--	--	--	--	--
	5/10/00	1,123.30	--	23.60	0.00	1,099.70	--	--	--	287	11	ND	14.0	2.08	ND	--	--	--	--
	11/11/00	1,123.30	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/26/01	1,123.30	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/01	1,123.30	--	24.40	0.00	1,098.90	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--	--	--	--	--	--
	6/19/01	1,123.30	--	24.45	0.00	1,098.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/01	1,123.30	--	24.36	0.00	1,098.94	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--	--	--	--	--	--
	9/21/01	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,123.30	--	24.35	0.00	1,098.95	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--	--	--	--	--	--
	11/14/01	1,123.30	--	24.37	0.00	1,098.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,123.30	--	24.41	0.00	1,098.89	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--	--	--	--	--	--
	7/1/03	1,123.30	--	24.30	0.00	1,099.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,123.30	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ABANDONED																		
MW-5																			
	1/9/92	1,123.27	--	30.52	--	1,092.75	--	ND	--	ND	43	0.6	ND	24	--	--	--	--	ND
	1/24/92	1,123.27	--	30.70	--	1,092.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,123.27	--	31.18	--	1,092.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,123.27	--	32.06	--	1,091.21	ND	ND	--	ND	5.8	0.8	ND	3.0	--	--	--	--	ND
	5/19/92	1,123.27	--	33.70	--	1,089.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,123.27	--	34.39	--	1,088.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,123.27	--	34.85	--	1,088.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,123.27	--	33.97	--	1,089.30	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	330
	3/19/93	1,123.27	--	33.35	--	1,089.92	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	58

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-5 (cont.)	6/17/93	1,123.27	--	33.84	--	1,089.43	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	
	9/10/93	1,123.27	--	32.70	--	1,090.57	ND	ND	--	ND	ND	0.5	ND	ND	--	--	--	--	46	
	11/19/93	1,123.27	--	33.36	--	1,089.91	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	23	
	3/10/94	1,123.27	--	33.90	--	1,089.37	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/8/94	1,123.27	--	35.00	--	1,088.27	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/24/94	1,123.27	--	33.26	--	1,090.01	ND	400	--	ND	ND	ND	ND	ND	--	--	--	--	20	
	11/16/94	1,123.27	--	32.22	--	1,091.05	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/22/95	1,123.27	--	31.28	--	1,091.99	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	2.2	
	5/9-10/95	1,123.27	--	29.64	--	1,093.63	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	ND	
	8/15/95	1,123.27	--	23.72	--	1,099.55	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/6/95	1,123.27	--	21.00	--	1,102.27	--	410	940	ND	ND	ND	ND	ND	--	--	--	--	--	
	2/27/96	1,123.27	--	20.27	--	1,103.00	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	8/13/96	1,123.27	--	20.30	--	1,102.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/11/97	1,123.27	INACCESSIBLE - DUE TO SNOW				--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/97	1,123.27	--	19.75	--	1,103.52	--	334	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	3/3/98	1,123.27	--	19.50	--	1,103.77	--	679	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	9/23/98	1,123.27	--	19.65	--	1,103.62	--	296	ND	66.7	24	ND	ND	1.94	--	--	--	--	--	
	3/20/99	1,123.27	--	19.72	0.00	1,103.55	--	501	ND	ND	15	ND	ND	ND	--	--	--	--	--	
	9/2/99	1,123.27	--	20.09	0.00	1,103.18	--	376	ND	165	6.43	ND	ND	24.7	--	--	--	--	--	
	5/10/00	1,123.27	--	20.52	0.00	1,102.75	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/11/00	1,123.27	--	20.48	0.00	1,102.79	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/19/01	1,123.27	--	20.74	0.00	1,102.53	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/26/01	1,123.27	--	20.76	0.00	1,102.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/25/01	1,123.27	--	26.22	0.00	1,097.05	--	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	
	6/19/01	1,123.27	--	28.15	--	1,095.12	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--	--	--	
	8/17/01	1,123.27	--	28.59	0.00	1,094.68	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	
	11/9/01	1,123.27	--	28.89	0.00	1,094.38	--	<250	<750	<100	<0.500	<1.00	<1.00	<1.50	--	--	--	--	--	
	1/24/02	1,123.27	--	28.91	0.00	1,094.36	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	
	5/19/02	1,123.27	--	23.22	0.00	1,100.05	--	<250	<750	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	7/16/02	1,123.27	--	29.09	0.00	1,094.18	--	<250	<750	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	11/11/02	1,123.27	--	30.23	0.00	1,093.04	--	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	2/24/03	1,123.27	--	30.91	0.00	1,092.36	--	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	4/1-4/03	1,123.27	--	30.79	0.00	1,092.48	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	4/1-4/03 (D)	1,123.27	--	--	--	--	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	7/1/03	1,123.27	--	32.14	0.00	1,091.13	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/15/03	1,123.27	--	32.30	0.00	1,090.97	NOT SAMPLED DUE TO OBSTRUCTION/BENT CASING				--	--	--	--	--	--	--	--	--	
	10/23/03	1,123.27	--	31.74	0.00	1,091.53	--	<160	<200	56	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	1/13/04	1,123.27	--	34.50	0.00	1,088.77	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--	
	4/14/04	1,123.27	--	33.83	0.00	1,089.44	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--	
	7/12/04	1,123.27	--	33.50	0.00	1,089.77	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/13/04	1,123.27	--	33.19	0.00	1,090.08	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/12/05	1,123.27	--	34.05	0.00	1,089.22	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/2/05	1,123.27	DRY	--	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--	
	5/17/05	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/13/05	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-5 (cont.)																			
	10/26/05	1,123.27	--	34.75	0.00	1,088.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/06	1,123.27	--	30.88	0.00	1,092.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,123.27	--	30.18	0.00	1,093.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,123.27	--	29.79	0.00	1,093.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,123.27	--	29.33	0.00	1,093.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,123.27	--	--	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER												
	5/12/08	1,123.27	--	30.69	--	1,092.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,123.27	--	30.62	--	1,092.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,123.27	DRY	--	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER												
	5/21/12	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,123.27	--	34.33	0.00	1,088.94	NOT SAMPLED DUE TO INSUFFICIENT WATER												
	5/5/14	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/15	1,123.27	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,123.27	--	29.11	0.00	1,094.16	--	<28/<28	<68/<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	12/9/15	1,123.27	--	28.85	0.00	1,094.42	--	<29/<29	--<67	<50	0.30	<0.2	<0.2	<0.2	--	--	--	--	--
	3/14/16	1,123.27	--	26.20	0.00	1,097.07	--	<29/110	<68/180	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/22/16	1,123.27	--	20.30	0.00	1,102.97	--	<28/92	<66/71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/11-12/16	1,123.27	--	20.31	0.00	1,102.96	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	--	--
	3/19-20/17	1,123.27	--	19.99	0.00	1103.28	--	<29/31	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<6.2	9.9
	6/19/17	1,123.27	--	19.96	0.00	1103.31	--	<29/120	<67/160	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	11.0
	10/16/17	1,123.27	--	20.17	0.00	1103.10	--	<29/130	<67/240	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0093	<0.5	<6.0	17.0
	12/3/17	1,123.27	--	20.35	0.00	1102.92	--	<29/140	71/190	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	39.4
MW-6																			
	1/9/92	1,124.71	--	31.00	0.00	1,093.71	--	ND	--	64,000	7,800	16,000	810	7,800	--	--	--	--	8.8
	1/24/92	1,124.71	--	31.08	0.00	1,093.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,124.71	--	31.52	0.00	1,093.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,124.71	32.17	32.29	0.12	1,092.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	1,124.71	32.56	32.79	0.23	1,092.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,124.71	32.90	33.21	0.31	1,091.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,124.71	33.25	33.44	0.19	1,091.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/92	1,124.71	--	31.40	0.00	1,093.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,124.71	--	32.40	0.00	1,092.31	27,000	19,000	--	120,000	4,300	11,000	620	72,000	--	--	--	--	870
	3/19/93	1,124.71	--	30.99	0.00	1,093.72	44,000	15,000	--	55,000	5,100	13,000	800	6,500	--	--	--	--	200
	6/17/93	1,124.71	--	30.69	0.00	1,094.02	95,000	26,000	--	54,000	2,700	9,500	730	6,400	--	--	--	--	360
	9/10/93	1,124.71	--	29.96	0.00	1,094.75	31,000	3,300	--	81,000	5,400	8,500	380	3,600	--	--	--	--	32
	11/19/93	1,124.71	--	31.42	0.00	1,093.29	18,000	3,300	--	92,000	9,800	22,000	1,300	10,000	--	--	--	--	8.2
	3/10/94	1,124.71	--	30.94	0.00	1,093.77	95,000	9,200	--	82,000	7,500	15,000	1,300	10,000	--	--	--	--	230
	5/8/94	1,124.71	--	31.39	0.00	1,093.32	68,000	11,000	--	120,000	8,500	19,000	1,400	11,000	--	--	--	--	54
	8/24/94	1,124.71	--	32.65	0.00	1,092.06	21,000	7,100	--	15,000	1,100	120	38	1,600	--	--	--	--	29
	11/16/94	1,124.71	--	30.61	0.00	1,094.10	840,000	18,000	--	62,000	6,000	9,500	700	6,100	--	--	--	--	35
	2/22/95	1,124.71	--	29.14	0.00	1,095.57	37,000	2,800	ND	22,000	420	1,300	180	1,800	--	--	--	--	23
	5/9-10/95	1,124.71	--	27.30	0.00	1,097.41	--	1,200	ND	37,000	1,600	7,700	320	4,600	--	--	--	--	ND
	8/15/95	1,124.71	--	27.74	0.00	1,096.97	--	3,800	ND	54,000	3,100	11,000	700	6,300	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-6 (cont.)	11/6/95	1,124.71	--	25.68	0.00	1,099.03	--	6,100	1,100	69,000	3,000	9,800	810	12,000	--	--	--	--	--
	2/27/96	1,124.71	--	24.63	0.00	1,100.08	--	760	ND	2,200	110	17	6.6	370	--	--	--	--	--
	8/13/96	1,124.71	--	23.50	0.00	1,101.21	--	3,100	ND	6,340	334	27.5	70.9	1,250	--	--	--	--	--
	2/11/97	1,124.71	--	27.50	0.00	1,097.21	--	890	ND	329	63.3	13.6	2.61	57.8	--	--	--	--	--
	9/23/97	1,124.71	--	23.65	0.00	1,101.06	--	ND	ND	603	9.26	ND	1.12	40.2	--	--	--	--	--
	3/3/98	1,124.71	--	21.40	0.00	1,103.31	--	ND	ND	839	3.57	0.937	2.09	10.7	--	--	--	--	--
	9/23/98	1,124.71	--	20.50	0.00	1,104.21	--	287	ND	5,040	26.2	ND	ND	185	ND	--	--	--	--
	3/20/99	1,124.71	--	22.62	0.00	1,102.09	--	1,420	2,040	6,490	105	6.31	18.4	335	--	--	--	--	--
	9/2/99	1,124.71	--	25.32	0.00	1,099.39	--	860	ND	1,360	87.2	ND	ND	7.61	--	--	--	--	--
	5/10/00	1,124.71	--	26.27	0.00	1,098.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19/01	1,124.71	--	27.42	0.00	1,097.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/01	1,124.71	--	29.09	0.00	1,095.62	--	21,000	<25,000	180,000	1,300	<1,000	<1,000	<1,000	<5,000	--	--	--	--
	6/1/01	1,124.71	--	28.89	0.00	1,095.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/01	1,124.71	--	29.59	0.00	1,095.12	--	774	<500	8,610	974	21.2	239	77.9	209<50.0'	--	--	--	--
	8/17/01	1,124.71	--	29.55	0.00	1,095.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/01	1,124.71	--	29.67	0.00	1,095.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,124.71	--	29.76	0.00	1,094.95	--	1,200	<750	8,890	1,280	26.4	292	21.2	--	--	--	--	--
	11/14/01	1,124.71	--	29.73	0.00	1,094.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,124.71	--	30.57	0.00	1,094.14	--	836	<500	8,860	1,520	18.3	438	<20.0	--	--	--	--	--
	5/19/02	1,124.71	--	29.15	0.00	1,095.56	--	12,000	<5,000	6,600	720	8.7	200	16	<10	--	--	--	--
	7/16/02	1,124.71	--	29.92	0.00	1,094.79	--	20,000	<8,000	6,000	1,300	23	440	<15	<2.5	--	--	--	--
	11/11/02	1,124.71	--	30.75	0.00	1,093.96	--	6,700	<990	5,300	1,100	15	340	18	<50	--	--	--	--
	2/24/03	1,124.71	--	31.09	0.00	1,093.62	--	4,600	480	4,000	1,100	12	280	14	<10	--	--	--	--
	4/1-4/03	1,124.71	--	31.00	0.00	1,093.71	--	4,400	<480	5,400	1,200	10	200	14	<50/<2'	--	--	--	--
	7/1/03	1,124.71	--	32.05	0.00	1,092.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,124.71	--	32.15	0.00	1,092.56	--	--	--	3,200	73	3.5	46	14	<5.0	--	--	--	--
	10/23/03	1,124.71	--	31.84	0.00	1,092.87	--	3,600	1,900	2,000	160.0	2.3	32	<10	--	--	--	4.7	--
	1/13/04	1,124.71	--	33.34	0.00	1,091.37	--	18,000	4,300	4,500	110	6.7	58	15	<5.0	--	--	7.8	--
	4/14/04	1,124.71	--	32.56	0.00	1,092.15	--	4,200	420	1,700	600	4.7	47	12	<10	--	--	8.9	--
	7/13/04	1,124.71	--	33.06	0.00	1,091.65	--	2,200	<480	2,200	750	12	95	36	<50	--	--	3.7	--
	10/13/04	1,124.71	--	32.43	0.00	1,092.28	--	560	<100	660	160	2.2	24	6.6	<20	--	--	11.1	--
	1/12/05	1,124.71	--	32.78	0.00	1,091.93	--	1,300	<100	1,400	180	3.5	35	11	--	--	--	7.6	--
	5/2/05	1,124.71	--	34.30	0.00	1,090.41	--	NOT SAMPLED DUE TO INSUFFICIENT WATER											
	7/13/05	1,124.71	--	34.51	1.00	1,091.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER											
	10/26/05	1,124.71	--	33.11	1.00	1,092.40	--	NOT SAMPLED DUE TO INSUFFICIENT WATER											
	3/14/06	1,124.71	--	30.45	0.00	1,094.26	--	3,400	<1,100	460	30	1.2	<2.0	<5.0	--	--	--	--	--
	5/22/06	1,124.71	--	30.41	0.00	1,094.30	--	1,900	140	510	20	1.1	0.5	2.8	--	--	--	--	--
	10/3/06	1,124.71	--	30.30	0.00	1,094.41	--	2,500	220	410	11	0.5	0.8	3.8	--	--	--	--	--
	5/23/07	1,124.71	--	29.93	0.00	1,094.78	--	2,700	370	670	12	1.1	0.9	3.1	--	--	--	--	--
	11/6/07	1,124.71	--	28.79	0.00	1,095.92	--	1,100	330	340	14	1.4	1.7	2.9	--	--	--	--	--
	5/15/08	1,124.71	--	31.02	0.00	1,093.69	--	1,600	<200	1,100	60	2.3	3.5	4.3	--	--	--	--	--
	5/18-19/09	1,124.71	--	33.07	0.00	1,091.64	--	1,100	<80	490	2.7	0.8	0.6	3.2	--	--	--	--	--
	5/18-20/10	1,124.71	--	33.77	0.00	1,090.94	--	540	<73	220	0.9	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/11	1,124.71	--	31.90	0.00	1,092.81	--	310	93	80	1.3	0.9	<0.5	<1.5	--	--	--	--	--
	5/21/12	1,124.71	--	35.62	0.00	1,089.09	--	NOT SAMPLED DUE TO INSUFFICIENT WATER											

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-6 (cont.)																			
	5/15/13	1,124.71	--	33.04	0.00	1,091.67	--	340	<67	210	2.0	1.3	<0.5	<1.5	--	--	--	--	--
	5/5/14	1,124.71	--	35.31	0.00	1,089.40	--	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--
	6/17/15	1,124.71	--	30.61	0.00	1,094.10	--	<28/2,200	<66/390	340	3.0	0.8	<2.0	2	--	--	--	--	--
	9/21/15	1,124.71	--	29.55	0.00	1,095.16	--	<28/2,200	<66/470	1,100	16	<0.5	1.8	4.1	--	--	--	--	--
	12/9/15	1,124.71	--	29.19	0.00	1,095.52	--	33/2,200	--/470	2,200	22	4.8	2.5	5.4	--	--	--	--	--
	3/14/16	1,124.71	--	26.01	0.00	1,098.70	--	<29/480	<67/350	1,700	11	2.0	0.7	2.4	--	--	--	--	--
	6/22/16	1,124.71	--	24.30	0.00	1,100.41	--	<28/100	<66/200	740	5.8	0.8	<0.5	<1.5	--	--	--	--	--
	9/11-12/16	1,124.71	--	24.63	0.00	1,100.08	--	<29/95	<67/110	1,300	0.8	<0.5	<0.5	<0.5	--	<0.0094	<0.5	--	--
	3/19-20/17	1,124.71	--	23.59	0.00	1,101.12	--	<29/70	<67/67	750	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.2	7.1
	6/19/17	1,124.71	--	23.43	0.00	1,101.28	--	<28/260	<66/230	1,400	0.9	0.6	2.0	0.6	--	<0.0095	0.7	<6.0	6.5
	10/16/17	1,124.71	--	24.15	0.00	1,100.56	--	<28/220	<66/300	170	<0.5	<0.5	<0.5	<0.5	--	<0.0093	<0.5	6.8	8.5
	12/3/17	1,124.71	--	24.48	0.00	1,100.23	--	<29/72	<67/67	220	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0
MW-7																			
	1/9/92	1,124.84	--	31.09	0.00	1,093.75	--	ND	--	110,000	18,000	31,000	2,300	13,000	--	--	--	--	6.7
	1/24/92	1,124.84	--	31.87	0.00	1,092.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/92	1,124.84	31.62	32.13	0.51	1,093.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/92	1,124.84	31.51	32.14	0.63	1,093.20	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/92	1,124.84	31.08	32.04	0.96	1,093.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/92	1,124.84	31.54	32.34	0.80	1,093.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/92	1,124.84	32.71	33.00	0.29	1,092.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/92	1,124.84	--	32.14	0.00	1,092.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/92	1,124.84	--	32.03	0.00	1,092.81	160,000	31,000	--	170,000	3,800	7,100	2,200	11,000	--	--	--	--	210
	3/19/93	1,124.84	--	31.24	0.00	1,093.60	120,000	42,000	--	6,300	4,300	8,000	970	7,000	--	--	--	--	1,400
	6/17/93	1,124.84	--	31.26	0.00	1,093.58	--	69,000	--	46,000	8,300	13,000	810	5,900	--	--	--	--	40
	9/10/93	1,124.84	--	30.63	0.00	1,094.21	62,000	83,000	--	110,000	7,900	12,000	1,300	9,100	--	--	--	--	970
	11/19/93	1,124.84	--	31.56	0.00	1,093.28	310,000	130,000	--	86,000	11,000	18,000	1,400	9,500	--	--	--	--	840
	3/10/94	1,124.84	--	31.66	0.00	1,093.18	4,500,000	93,000	--	130,000	11,000	16,000	2,000	14,000	--	--	--	--	860
	5/8/94	1,124.84	32.09	32.95	0.86	1,092.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/94	1,124.84	31.73	33.10	1.37	1,092.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/94	1,124.84	--	31.07	0.00	1,093.77	180,000	120,000	--	110,000	13,000	20,000	1,800	13,000	--	--	--	--	47
	2/22/95	1,124.84	--	30.20	0.00	1,094.64	180,000	16,000	ND	95,000	6,200	11,000	1,300	12,000	--	--	--	--	22
	5/9-10/95	1,124.84	--	28.60	0.00	1,096.24	--	61,000	ND	1,000,000	6,100	30,000	12,000	98,000	--	--	--	--	96
	8/15/95	1,124.84	--	26.68	0.00	1,098.16	--	17,000	ND	520,000	2,500	2,500	3,300	26,000	--	--	--	--	--
	11/6/95	1,124.84	--	25.40	0.00	1,099.44	--	5,600	1,500	15,000	250	110	240	2,700	--	--	--	--	--
	2/27/96	1,124.84	--	24.47	0.00	1,100.37	--	2,100	ND	16,000	110	62	210	2,800	--	--	--	--	--
	8/13/96	1,124.84	--	24.13	0.00	1,100.71	--	3,000	996	20,500	137	37.1	162	2,020	--	--	--	--	--
	2/11/97	1,124.84	--	22.60	0.00	1,102.24	--	6,700	1,340	2,780	6.97	ND	22.7	110	--	--	--	--	--
	9/23/97	1,124.84	--	22.77	0.00	1,102.07	--	829	ND	6,590	29	9.08	84.9	441	--	--	--	--	--
	3/3/98	1,124.84	--	--	--	1,124.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/98	1,124.84	--	21.20	0.00	1,103.64	--	554	ND	410	9.07	2.75	1.21	5.01	ND	--	--	--	--
	3/20/99	1,124.84	22.21	22.39	0.18	1,102.59	--	13,000	1,790	788,000	702	ND	3,920	22,200	--	--	--	--	--
	9/2/99	1,124.84	23.97	23.99	0.02	1,100.87	--	19,900	ND ⁷	174,000	ND ⁷	ND	ND	1,970	--	--	--	--	--
	5/10/00	1,124.84	26.16	26.95	0.79	1,098.52	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--
	11/11/00 ⁹	1,124.84	26.54	27.50	0.96	1,098.11	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--
	2/26/01	1,124.84	27.71	28.01	0.30	1,097.07	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-7 (cont.)	5/25/01	1,124.84	28.14	29.32	1.18	1,096.46	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	6/1/01	1,124.84	28.09	28.75	0.66	1,096.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/01	1,124.84	28.99	29.15	0.16	1,095.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/01	1,124.84	28.94	29.24	0.30	1,095.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/01	1,124.84	29.32	29.40	0.08	1,095.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/01	1,124.84	--	29.15	0.00	1,095.69	--	316,000	<100,000	373,000	280	<100	741	1,440	--	--	--	--	--
	9/21/01	1,124.84	--	29.27	0.00	1,095.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/01	1,124.84	29.32	29.34	0.02	1,095.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,124.84	29.31	29.35	0.04	1,095.52	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/14/01	1,124.84	29.30	29.31	0.01	1,095.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,124.84	28.90	28.93	0.03	1,095.93	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	3/5/02	1,124.84	28.91	28.91	0.01	1,095.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/26/02	1,124.84	27.20	27.69	0.49	1,097.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,124.84	27.61	27.64	0.03	1,097.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/02	1,124.84	29.01	29.01	0.01	1,095.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,124.84	INACCESSIBLE - CAR PARKED OVER WELL																
	9/20/02	1,124.84	29.41	29.45	0.04	1,095.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/02	1,124.84	30.26	30.3	0.04	1,094.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/02	1,124.84	30.63	30.67	0.04	1,094.20	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	1/4/03	1,124.84	30.11	30.14	0.03	1,094.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/03	1,124.84	30.14	30.18	0.04	1,094.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,124.84	31.33	31.37	0.04	1,093.50	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	4/1-4/03	1,124.84	28.56	28.6	0.04	1,096.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/03	1,124.84	27.66	27.70	0.04	1,097.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,124.84	27.61	27.64	0.03	1,097.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/03	1,124.84	31.29	31.33	0.04	1,093.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,124.84	31.42	31.45	0.03	1,093.41	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/8/03	1,124.84	33.45	33.48	0.03	1,091.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,124.84	32.36	32.39	0.03	1,092.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,124.84	30.70	30.73	0.03	1,094.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,124.84	32.01	32.04	0.03	1,092.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,124.84	31.44	31.47	0.03	1,093.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,124.84	31.33	31.39	0.06	1,093.50	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	1/13/04	1,124.84	31.60	31.70	0.10	1,093.22	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,124.84	31.60	31.63	0.03	1,093.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,124.84	--	31.78	<0.01	1,093.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,124.84	32.22	32.27	0.05	1,092.61	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/10/04	1,124.84	32.34	32.41	0.07	1,092.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,124.84	32.58	32.71	0.13	1,092.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,124.84	32.27	32.33	0.06	1,092.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,124.84	32.16	32.19	0.03	1,092.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,124.84	--	32.11	0.00	1,092.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04 ⁶	1,124.84	--	31.94	0.00	1,092.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04 ⁶	1,124.84	--	31.84	0.00	1,093.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05 ⁶	1,124.84	--	32.60	0.00	1,092.24	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-7 (cont.)	2/18/05 ⁶	1,124.84	--	32.71	0.00	1,092.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05 ⁶	1,124.84	--	33.32	0.00	1,091.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2-5/5/05 ⁶	1,124.84	33.95	34.62	0.67	1,090.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05 ⁶	1,124.84	--	34.04	0.00	1,090.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,124.84	--	34.11	0.00	1,090.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05 ⁶	1,124.84	--	33.53	0.00	1,091.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,124.84	--	33.18	0.00	1,091.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06 ⁶	1,124.84	--	32.56	0.00	1,092.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06	1,124.84	--	31.01	0.00	1,093.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06	1,124.84	--	30.95	0.00	1,093.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,124.84	--	29.96	0.00	1,094.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,124.84	--	27.74	0.00	1,097.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,124.84	--	29.32	0.00	1,095.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,124.84	--	28.87	0.00	1,095.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,124.84	--	28.55	0.00	1,096.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,124.84	27.82	27.83	0.01	1,097.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,124.84	28.95	29.21	0.26	1,095.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,124.84	30.09	30.40	0.31	1,094.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,124.84	29.92	30.09	0.17	1,094.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3-4/09	1,124.84	31.02	31.22	0.20	1,093.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09 ⁶	1,124.84	32.88	33.00	0.12	1,091.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09 ⁶	1,124.84	--	32.97	0.00	1,091.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09 ⁶	1,124.84	--	33.89	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09 ⁶	1,124.84	33.99	34.00	0.01	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/09 ⁶	1,124.84	32.24	32.25	0.01	1,092.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09 ⁶	1,124.84	--	33.24	0.00	1,091.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09 ⁶	1,124.84	--	33.31	0.00	1,091.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10 ⁶	1,124.84	--	33.85	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10 ⁶	1,124.84	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10 ⁶	1,124.84	--	33.96	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10 ⁶	1,124.84	--	34.00	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10 ⁶	1,124.84	--	33.44	0.00	1,091.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10 ⁶	1,124.84	--	32.76	0.00	1,092.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10 ⁶	1,124.84	--	31.19	0.00	1,093.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10 ⁶	1,124.84	31.25	31.26	0.01	1,093.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11 ⁶	1,124.84	--	32.01	0.00	1,092.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11 ⁶	1,124.84	--	32.01	0.00	1,092.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11 ⁶	1,124.84	--	31.14	0.00	1,093.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11 ⁶	1,124.84	--	31.96	0.00	1,092.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,124.84	31.61	31.65	0.04	1,093.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11 ⁶	1,124.84	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11 ⁶	1,124.84	31.00	31.08	0.08	1,093.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11 ⁶	1,124.84	--	30.90	0.00	1,093.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11 ⁶	1,124.84	--	30.90	0.00	1,093.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11 ⁶	1,124.84	--	30.40	0.00	1,094.44	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead		
MW-7 (cont.)																					
	1/28/12 ⁶	1,124.84	--	29.22	0.00	1,095.62	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/24/12 ⁶	1,124.84	--	32.70	0.00	1,092.14	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/20/12 ⁶	1,124.84	--	32.90	0.00	1,091.94	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/21/12 ⁶	1,124.84	--	29.60	0.00	1,095.24	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/21/12	1,124.84	--	32.30	0.00	1,092.54	--	--	--	--	--	--	--	--	--	--	--	--	--		
	6/25/12 ⁶	1,124.84	--	33.13	0.00	1,091.71	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/20/12	1,124.84	--	32.80	0.00	1,092.04	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/24/12	1,124.84	--	33.28	0.00	1,091.56	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/1/12	1,124.84	--	29.60	0.00	1,095.24	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/17/13	1,124.84	--	29.52	0.00	1,095.32	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/19-20/13	1,124.84	--	31.61	0.00	1,093.23	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/31/13	1,124.84	--	31.48	0.00	1,093.36	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/28/13	1,124.84	--	31.61	0.00	1,093.23	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/15/13	1,124.84	--	31.23	0.00	1,093.61	--	2,400	320	16,000	29	<21	28	<44	--	--	--	--	--		
	6/29/13	1,124.84	--	32.97	0.00	1,091.87	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/30/13	1,124.84	--	33.11	0.00	1,091.73	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/12/13	1,124.84	--	29.19	0.00	1,095.65	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/29/13	1,124.84	--	33.29	0.00	1,091.55	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/26/13	1,124.84	--	33.22	0.00	1,091.62	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/28/13	1,124.84	--	31.98	0.00	1,092.86	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/27/14	1,124.84	--	33.12	0.00	1,091.72	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/19/14	1,124.84	--	34.18	0.00	1,090.66	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/17/14	1,124.84	--	29.13	0.00	1,095.71	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/15/14	1,124.84	--	29.88	0.00	1,094.96	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/6/14	1,124.84	--	33.71	0.00	1,091.13	NOT SAMPLED DUE TO INSUFFICIENT WATER										--	--	--	--	--
	6/18/14	1,124.84	--	32.66	0.00	1,092.18	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/14/14	1,124.84	--	31.13	0.00	1,093.71	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/4/14	1,124.84	--	33.31	0.00	1,091.53	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/23/14	1,124.84	--	32.99	0.00	1,091.85	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/13/14	1,124.84	--	33.37	0.00	1,091.47	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/12/14	1,124.84	--	33.41	0.00	1,091.43	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/22/14	1,124.84	--	32.38	0.00	1,092.46	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/18-19/15	1,124.84	INACCESSIBLE- FROZEN SHUT				--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/10/15	1,124.84	--	29.40	0.00	1,095.44	--	--	--	--	--	--	--	--	--	--	--	--	--		
	6/17/15	1,124.84	--	29.61	0.00	1,095.23	--	2,300/3,500	290/760	2,000	15	5.0	14	<7.0	--	--	--	--	--		
	9/21/15	1,124.84	--	28.77	0.00	1,096.07	--	1,700/3,600	140/690	37,000	12	6.2	33	31	--	--	--	--	--		
	12/9/15	1,124.84	--	28.29	0.00	1,096.55	--	2,100/3,300	--/1,100	4,100	11	4.7	58	35	--	--	--	--	--		
	3/14-15/16	1,124.84	--	25.01	0.00	1,099.83	--	77/870	120/830	2,600	5	1.8	40	64	--	--	--	--	--		
	6/22/16	1,124.84	--	23.92	0.00	1,100.92	--	2,800/4,300	210/890	18,000	13	7.1	16	190	--	--	--	--	--		
	9/11-12/16	1,124.84	--	23.38	0.00	1,101.46	--	29,000/36,000	<3,300/3,100	33,000	<0.5	0.6	4.0	62.0	--	0.010	<0.5	--	--		
	3/19-20/17	1,124.84	--	22.70	0.00	1,102.14	--	11,000/14,000	1,200/2,000	17,000	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.2	15.2		
	6/19/17	1,124.84	--	22.05	0.00	1,102.79	--	3,800/4,000	460/1,000	6,900	<0.5	<0.5	3	87	--	<0.0096	<0.5	<6.0	38.0		
	10/16/17	1,124.84	--	22.53	0.00	1,102.31	--	510/1,000	<66/600	2,300	<0.5	<0.5	0.6	12.0	--	<0.0098	<0.5	<6.0	14.9		
	12/3/17	1,124.84	--	22.56	0.00	1,102.28	--	18,000/13,000	1,200/<3,300	11,000	<0.5	0.9	9	230	--	<0.0095	<0.5	8.3	20.7		

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-8	1/9/92	1,123.92	--	27.43	0.00	1,096.49	--	ND	--	4,000	66	3.3	ND	150	--	--	--	--	ND	
	1/24/92	1,123.92	--	27.64	0.00	1,096.28	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/5/92	1,123.92	--	28.03	0.00	1,095.89	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/10/92	1,123.92	--	28.81	0.00	1,095.11	ND	ND	--	ND	2.1	1.2	3.0	17	--	--	--	--	ND	
	5/19/92	1,123.92	--	29.60	0.00	1,094.32	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/3/92	1,123.92	--	29.77	0.00	1,094.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/92	1,123.92	--	29.94	0.00	1,093.98	1,200	--	--	6,000	1.8	5.0	3.8	28	--	--	--	--	14	
	10/5/92	1,123.92	--	29.40	0.00	1,094.52	3,500	--	--	3,000	3.0	ND	1.3	2.7	--	--	--	--	4.0	
	3/19/93	1,123.92	--	29.13	0.00	1,094.79	ND	ND	--	190	2.7	1.7	ND	1.3	--	--	--	--	16	
	6/17/93	1,123.92	--	28.99	0.00	1,094.93	ND	ND	--	ND	3.5	ND	ND	ND	--	--	--	--	8.6	
	9/10/93	1,123.92	--	28.44	0.00	1,095.48	ND	ND	--	ND	2.8	ND	ND	ND	--	--	--	--	ND	
	11/19/93	1,123.92	--	29.01	0.00	1,094.91	ND	ND	--	ND	1.6	ND	ND	0.6	--	--	--	--	ND	
	3/10/94	1,123.92	--	29.39	0.00	1,094.53	ND	ND	--	300	2.0	ND	0.6	1.1	--	--	--	--	6.8	
	5/8/94	1,123.92	--	29.95	0.00	1,093.97	1,400	ND	--	460	2.0	ND	1.3	2.4	--	--	--	--	ND	
	8/24/94	1,123.92	--	29.15	0.00	1,094.77	8,600	1,500	--	6,200	23	4.0	5.6	65	--	--	--	--	4.6	
	11/16/94	1,123.92	--	28.37	0.00	1,095.55	24,000	4,500	--	4,100	4.7	ND	6.5	19	--	--	--	--	ND	
	2/22/95	1,123.92	--	27.54	0.00	1,096.38	70,000	4,700	ND	550	28	ND	ND	1.5	--	--	--	--	9.5	
	5/9-10/95	1,123.92	--	26.17	0.00	1,097.75	--	2,100	ND	480	9.8	0.5	ND	2.6	--	--	--	--	ND	
	8/15/95	1,123.92	--	21.63	0.00	1,102.29	--	8,600	780	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/6/95	1,123.92	--	21.31	0.00	1,102.61	--	600	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	2/27/96	1,123.92	--	20.87	0.00	1,103.05	--	430	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	8/13/96	1,123.92	--	20.90	0.00	1,103.02	--	508	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	2/11/97	1,123.92	INACCESSIBLE - DUE TO SNOW				--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/97	1,123.92	--	20.32	0.00	1,103.60	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	3/3/98	1,123.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/23/98	1,123.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/10/00	1,123.92	--	21.22	0.00	1,102.70	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/19/01	1,123.92	--	21.49	0.00	1,102.43	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/1/01	1,123.92	--	24.98	0.00	1,098.94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/01	1,123.92	--	25.72	0.00	1,098.20	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--	--	--	
	11/9/01	1,123.92	--	26.49	0.00	1,097.43	--	589	<750	<100	2.65	<1.00	<1.00	<1.50	--	--	--	--	--	
	1/24/02	1,123.92	--	26.31	0.00	1,097.61	--	<250	<500	89.7	3.00	<0.500	<0.500	2.09	--	--	--	--	--	
	5/19/02	1,123.92	--	24.88	0.00	1,099.04	--	<400	<1,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	7/16/02	1,123.92	--	26.16	0.00	1,097.76	--	<250	<750	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	11/11/02	1,123.92	--	27.45	0.00	1,096.47	--	<250	<250	<50	4.0	<0.50	<0.50	<1.5	<2.5	--	--	--	--	
	2/24/03	1,123.92	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,123.92	--	27.98	0.00	1,095.94	--	<250	<250	<50	3.1	<0.5	<0.5	<1.5	--	--	--	--	--	
	7/1/03	1,123.92	--	28.98	0.00	1,094.94	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/15/03	1,123.92	--	29.03	0.00	1,094.89	--	<250	<250	<50	1.9	<0.5	<0.5	<1.5	--	--	--	--	--	
	10/23/03	1,123.92	--	28.41	0.00	1,095.51	--	<400	<500	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	1/13/04	1,123.92	--	28.90	0.00	1,095.02	--	<800	<1,000	<50	0.6	<0.2	<0.2	<0.6	--	--	--	--	--	
	4/13/04	1,123.92	--	29.24	0.00	1,094.68	--	<75	<94	<50	1.4	<0.5	<0.5	<1.5	--	--	--	--	--	
	7/12/04	1,123.92	--	29.82	0.00	1,094.10	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/13/04	1,123.92	--	28.86	0.00	1,095.06	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/12/05	1,123.92	--	29.28	0.00	1,094.64	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-8 (cont.)																				
	5/2/05	1,123.92	--	30.79	0.00	1,093.13	--	<79	<99	<48	1.0	<0.5	<0.5	<1.5	<2.5	--	--	--	--	
	7/13/05	1,123.92	--	30.87	0.00	1,093.05	--	<83	<100	<48	1.0	<0.5	<0.5	<1.5	<2.5	--	--	<0.87	--	
	10/26/05	1,123.92	--	29.71	0.00	1,094.21	--	<78	<98	<48	2.0	<0.5	<0.5	<1.5	--	--	--	<0.87	--	
	3/14/06	1,123.92	--	27.43	0.00	1,096.49	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/22/06	1,123.92	--	26.77	0.00	1,097.15	--	<91	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	10/2/06	1,123.92	--	26.26	0.00	1,097.66	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/23/07	1,123.92	--	25.62	0.00	1,098.30	--	85	150	56	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/15/08	1,123.92	--	27.56	0.00	1,096.36	--	<76	<95	64	<0.5	<0.5	<0.5	2.20	--	--	--	--	--	
	5/18-19/09	1,123.92	--	30.25	0.00	1,093.67	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/18-20/10	1,123.92	--	30.56	0.00	1,093.36	--	68	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/5/11	1,123.92	--	28.80	0.00	1,095.12	--	45	210	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/12	1,123.92	--	30.35	0.00	1,093.57	--	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/15/13	1,123.92	--	29.82	0.00	1,094.10	--	160	270	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/7/14	1,123.92	--	30.32	0.00	1,093.60	--	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	6/17/15	1,123.92	--	27.04	0.00	1,096.88	--	<28/80	<66/100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	9/21/15	1,123.92	--	25.89	0.00	1,098.03	--	<28/150	<66/<66	66	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	12/9/15	1,123.92	--	25.90	0.00	1,098.02	--	<29/<29	--<67	170	0.2	<0.2	<0.2	0.6	--	--	--	--	--	
	3/14/16	1,123.92	21.90	21.92	0.02	1,102.02	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	
	6/22/16	1,123.92	--	20.60	0.00	1,103.32	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	9/11-12/16	1,123.92	--	20.71	0.00	1,103.21	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	--	--	
	3/19-20/17	1,123.92	--	20.46	0.00	1,103.46	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.2	30.2	
	6/19/17	1,123.92	--	20.36	0.00	1,103.56	--	<28/80	<66/180	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	<6.0	<6.0	
	10/16/17	1,123.92	--	20.58	0.00	1,103.34	--	<29/120	<67/260	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0099	<0.5	<6.0	8.0	
	12/3/17	1,123.92	--	20.76	0.00	1,103.16	--	<29/110	<67/200	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	6.1	42.1	
MW-9																				
	1/24/02	1,122.39	37.34	37.39	0.05	1,085.04	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	3/5/02	1,122.39	--	36.85	0.00	1,085.54	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/26/02	1,122.39	34.16	34.67	0.51	1,088.13	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/19/02	1,122.39	37.05	37.50	0.45	1,085.25	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	6/13/02	1,122.39	38.45	38.95	0.50	1,083.84	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/16/02	1,122.39	38.11	38.66	0.55	1,084.17	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	8/21/02	1,122.39	38.40	38.96	0.56	1,083.88	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/02	1,122.39	38.41	38.81	0.40	1,083.90	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/23/02	1,122.39	38.34	38.74	0.40	1,083.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/11/02	1,122.39	38.76	39.35	0.59	1,083.51	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	1/4/03	1,122.39	38.31	38.70	0.39	1,084.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/3/03	1,122.39	38.21	38.73	0.52	1,084.08	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/24/03	1,122.39	38.89	39.32	0.43	1,083.41	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	4/4/03	1,122.39	36.89	37.35	0.46	1,085.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/14/03	1,122.39	32.39	32.95	0.56	1,089.89	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/14/03	1,122.39	32.32	32.86	0.54	1,089.96	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/30/03	1,122.39	39.61	39.95	0.34	1,082.71	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/15/03	1,122.39	39.68	39.99	0.31	1,082.65	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--	--
	8/8/03	1,122.39	39.62	40.00	0.38	1,082.69	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/17/03	1,122.39	39.71	40.25	0.54	1,082.57	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-9 (cont.)	9/17/03	1,122.39	39.60	39.95	0.35	1,082.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,122.39	39.68	39.98	0.30	1,082.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,122.39	39.57	39.90	0.33	1,082.75	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/6/03	1,122.39	39.75	39.95	0.20	1,082.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,122.39	39.51	39.58	0.07	1,082.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,122.39	39.82	39.94	0.12	1,082.55	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,122.39	39.90	39.95	0.05	1,082.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,122.39	--	40.20	<0.01	1,082.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,122.39	39.97	40.16	0.19	1,082.38	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/10/04	1,122.39	40.32	40.44	0.12	1,082.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,122.39	40.38	40.48	0.10	1,081.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,122.39	40.41	40.48	0.07	1,081.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04 ⁵	1,122.39	--	40.45	0.00	1,081.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04 ⁶	1,122.39	--	40.25	0.00	1,082.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/21/05 ⁶	1,122.39	--	40.37	0.00	1,082.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05 ⁶	1,122.39	--	40.37	0.00	1,082.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05 ⁶	1,122.39	40.42	40.57	0.15	1,081.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05 ⁶	1,122.39	--	40.42	0.00	1,081.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05 ⁶	1,122.39	--	40.42	0.00	1,081.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,122.39	--	40.42	0.00	1,081.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05 ⁶	1,122.39	--	40.45	0.00	1,081.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,122.39	--	40.46	0.00	1,081.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06 ⁶	1,122.39	--	38.38	0.00	1,084.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06 ⁶	1,122.39	--	39.20	0.00	1,083.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,122.39	38.09	38.22	0.13	1,084.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,122.39	37.86	38.33	0.47	1,084.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,122.39	38.24	38.83	0.59	1,084.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,122.39	37.20	38.51	1.31	1,084.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,122.39	--	36.92	0.00	1,085.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,122.39	37.25	40.45	3.20	1,084.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,122.39	38.02	39.34	1.32	1,084.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,122.39	39.01	40.19	1.18	1,083.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,122.39	38.92	39.26	0.34	1,083.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/09	1,122.39	39.71	40.26	0.55	1,082.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/09	1,122.39	39.70	40.22	0.52	1,082.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,122.39	39.73	40.22	0.49	1,082.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,122.39	40.46	40.49	0.03	1,081.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,122.39	39.70	39.72	0.02	1,082.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10	1,122.39	38.54	38.55	0.02	1,083.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,122.39	38.72	38.73	0.01	1,083.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11	1,122.39	39.02	39.60	0.58	1,083.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11	1,122.39	39.89	39.94	0.05	1,082.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,122.39	39.45	40.41	0.96	1,082.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11	1,122.39	39.22	40.20	0.98	1,082.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/11	1,122.39	38.97	39.70	0.73	1,083.27	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
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CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-9 (cont.)																			
	8/15/11	1,122.39	38.36	39.25	0.89	1,083.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11	1,122.39	38.10	38.75	0.65	1,084.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,122.39	37.60	38.70	1.10	1,084.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,122.39	30.55	-- ^s	9.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11	1,122.39	38.05	40.50	2.45	1,083.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,122.39	38.08	-- ^s	2.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,122.39	39.20	40.45	1.25	1,082.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,122.39	39.20	40.00	0.80	1,083.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,122.39	37.25	40.51	3.26	1,084.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,122.39	39.90	-- ^s	0.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12 ⁵	1,122.39	39.83	-- ^s	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12 ⁶	1,122.39	38.90	-- ^s	1.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,122.39	39.15	-- ^s	1.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/12	1,122.39	38.72	-- ^s	1.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/17/13	1,122.39	38.67	-- ^s	1.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,122.39	38.94	-- ^s	1.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,122.39	38.90	-- ^s	1.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,122.39	38.88	39.96	1.08	1,083.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,122.39	38.83	39.93	1.10	1,083.34	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	6/29/13	1,122.39	39.76	39.78	0.02	1,082.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,122.39	39.83	39.98	0.15	1,082.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,122.39	38.88	-- ^s	1.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,122.39	39.79	39.93	0.14	1082.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,122.39	38.58	39.96	1.38	1083.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,122.39	39.04	39.96	0.92	1083.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,122.39	39.24	-- ^s	1.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,122.39	39.83	-- ^s	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/14	1,122.39	38.53	-- ^s	1.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/14	1,122.39	37.31	-- ^s	3.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,122.39	39.88	-- ^s	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/14	1,122.39	38.91	-- ^s	1.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/14	1,122.39	39.79	-- ^s	0.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,122.39	39.17	-- ^s	1.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/14	1,122.39	39.73	-- ^s	0.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,122.39	39.83	-- ^s	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/14	1,122.39	39.91	-- ^s	0.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/14	1,122.39	38.11	40.33	2.22	1083.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,122.39	39.83	--	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/15	1,122.39	38.26	--	2.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,122.39	39.20	-- ^s	1.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,122.39	35.64	38.15	2.51	1086.25	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	12/9/15	1,122.39	34.71	37.92	3.21	1087.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,122.39	28.26	33.40	5.14	1093.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,122.39	28.85	32.38	3.53	1092.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11-12/16	1,122.39	28.81	37.76	8.95	1091.79	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-9 (cont.)																			
	3/19-20/17	1,122.39	28.18	33.54	5.36	1093.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,122.39	26.60	35.27	8.67	1094.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,122.39	27.20	36.26	9.06	1093.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,122.39	29.58	32.38	2.80	1092.25	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10																			
	6/4/01	1,123.69	32.89	32.92	0.03	1,090.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/01	1,123.69	33.40	34.45	1.05	1,090.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/01	1,123.69	33.55	34.15	0.60	1,090.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/01	1,123.69	32.95	36.85	3.90	1,089.96	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	9/21/01	1,123.69	33.71	35.92	2.21	1,089.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/01	1,123.69	34.14	35.75	1.61	1,089.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,123.69	33.46	37.05	3.59	1,089.51	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/14/01	1,123.69	33.41	36.73	3.32	1,089.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,123.69	31.55	38.15	6.60	1,090.82	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	3/6/02	1,123.69	30.87	39.25	8.38	1,091.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/26/02	1,123.69	29.77	38.48	8.71	1,092.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,123.69	31.66	37.10	5.44	1,090.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/02	1,123.69	32.66	38.29	5.63	1,089.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,123.69	33.50	37.20	3.70	1,089.45	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/21/02	1,123.69	33.90	37.88	3.98	1,088.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/02	1,123.69	33.50	37.85	4.35	1,089.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/02	1,123.69	33.50	37.85	4.35	1,089.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/02	1,123.69	34.06	37.88	3.82	1,088.87	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	1/4/03	1,123.69	33.51	37.67	4.16	1,089.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/03	1,123.69	33.46	37.27	3.83	1,089.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,123.69	31.29	37.78	6.49	1,091.10	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	4/1-4/03	1,123.69	32.65	36.98	4.33	1,090.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/03	1,123.69	30.05	37.10	7.05	1,092.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,123.69	29.94	36.96	7.02	1,092.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,123.69	31.60	37.92	6.32	1,090.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,123.69	31.55	37.92	6.37	1,090.87	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/8/03	1,123.69	32.23	37.92	5.69	1,090.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,123.69	34.40	37.92	3.52	1,088.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,123.69	34.60	-- ^s	4.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,123.69	35.30	-- ^s	3.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,123.69	35.08	-- ^s	3.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,123.69	35.45	-- ^s	3.33	--	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/6/03	1,123.69	35.78	37.10	1.32	1,087.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,123.69	35.82	36.95	1.13	1,087.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,123.69	35.95	-- ^s	2.83	--	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,123.69	35.65	37.60	1.95	1,087.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,123.69	36.10	37.46	1.36	1,087.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,123.69	35.91	37.60	1.69	1,087.44	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/10/04	1,123.69	36.14	37.55	1.41	1,087.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,123.69	36.78	37.82	1.04	1,086.70	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-10 (cont.)	7/12/04	1,123.69	36.60	38.18	1.58	1,086.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,123.69	36.50	37.91	1.41	1,086.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04	1,123.69	35.75	37.80	2.15	1,087.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,123.69	35.74	37.87	2.13	1,087.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04	1,123.69	35.43	37.90	2.47	1,087.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05	1,123.69	35.89	37.92	2.03	1,087.39	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/05	1,123.69	36.01	37.92	1.91	1,087.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,123.69	36.92	38.00	1.08	1,086.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2-5/05	1,123.69	37.38	37.94	0.56	1,086.20	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05	1,123.69	37.22	38.00	0.78	1,086.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,123.69	37.22	38.82	1.60	1,086.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05	1,123.69	36.36	37.95	1.59	1,087.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,123.69	36.17	37.96	1.79	1,087.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06	1,123.69	36.08	37.99	1.91	1,087.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06	1,123.69	33.30	37.93	4.63	1,089.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06	1,123.69	35.30	37.02	1.72	1,088.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,123.69	34.75	37.92	3.17	1,088.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,123.69	34.34	37.59	3.25	1,088.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,123.69	30.58	37.41	6.83	1,091.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,123.69	29.99	37.55	7.56	1,092.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,123.69	28.80	37.50	8.70	1,093.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,123.69	28.98	37.49	8.51	1,093.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,123.69	31.30	37.99	6.69	1,091.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,123.69	29.55	37.50	7.95	1,092.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,123.69	31.16	37.57	6.41	1,091.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,123.69	29.79	37.59	7.80	1,092.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3-4/09	1,123.69	30.91	37.59	6.68	1,091.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,123.69	32.25	37.57	5.32	1,090.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,123.69	35.69	-- ^s	2.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,123.69	36.20	-- ^s	1.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,123.69	36.47	-- ^s	1.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,123.69	36.18	-- ^s	1.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,123.69	36.10	-- ^s	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,123.69	36.31	-- ^s	1.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,123.69	36.10	-- ^s	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,123.69	36.41	-- ^s	1.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10	1,123.69	36.15	-- ^s	1.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10	1,123.69	36.35	-- ^s	1.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10 ^b	1,123.69	35.90	-- ^s	2.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,123.69	32.64	-- ^s	5.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10	1,123.69	31.14	-- ^s	6.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,123.69	31.85	-- ^s	6.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11	1,123.69	WELL BOX FILLED WITH ICE, UNABLE TO MONITOR																
	2/11/11	1,123.69	WELL BOX FILLED WITH ICE, UNABLE TO MONITOR																
	5/5/11	1,123.69	30.15	-- ^s	7.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-10 (cont.)	6/8/11	1,123.69	31.65	-- ^s	6.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,123.69	30.28	-- ^s	7.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,123.69	31.30	37.65	6.35	1,091.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11	1,123.69	30.85	-- ^s	7.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,123.69	31.70	37.92	6.22	1,090.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11 ⁶	1,123.69	37.70	38.80	1.10	1,085.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11	1,123.69	32.35	37.90	5.55	1,090.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,123.69	32.20	-- ^s	6.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,123.69	32.45	38.70	6.25	1,089.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,123.69	32.30	38.60	6.30	1,090.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,123.69	31.52	38.10	6.58	1,090.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,123.69	32.40	38.80	6.40	1,090.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12	1,123.69	36.13	38.70	2.57	1,087.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12	1,123.69	33.60	37.10	3.50	1,089.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,123.69	32.20	-- ^s	6.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/12	1,123.69	33.10	-- ^s	5.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/13	1,123.69	32.97	-- ^s	5.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,123.69	30.48	-- ^s	8.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,123.69	30.62	-- ^s	8.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,123.69	30.73	-- ^s	8.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,123.69	30.79	-- ^s	7.99	--	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	
	6/29/13	1,123.69	35.61	-- ^s	3.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,123.69	35.91	-- ^s	2.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,123.69	30.30	-- ^s	8.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,123.69	35.92	-- ^s	2.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,123.69	30.26	-- ^s	8.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,123.69	31.44	-- ^s	7.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,123.69	33.58	-- ^s	5.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,123.69	32.16	-- ^s	6.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/18/14	1,123.69	34.33	-- ^s	4.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/14	1,123.69	31.57	-- ^s	7.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,123.69	32.52	-- ^s	6.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/14	1,123.69	34.11	-- ^s	4.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/14	1,123.69	36.21	-- ^s	2.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,123.69	32.19	-- ^s	6.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/14	1,123.69	35.99	-- ^s	2.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,123.69	35.88	-- ^s	2.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/14	1,123.69	36.93	-- ^s	1.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/14	1,123.69	33.44	-- ^s	5.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,123.69	35.91	-- ^s	2.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/15	1,123.69	32.37	-- ^s	6.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,123.69	36.18	-- ^s	2.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,123.69	29.45	37.55	8.10	1,092.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,123.69	27.99	37.82	9.83	1,093.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,123.69	23.82	29.69	5.87	1,098.70	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-10 (cont.)																			
	6/22/16	1,123.69	24.66	27.59	2.93	1,098.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11-12/16	1,123.69	24.61	27.62	3.01	1,098.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19-20/17	1,123.69	24.17	27.19	3.02	1,098.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,123.69	23.59	26.86	3.27	1,099.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,123.69	23.86	26.95	3.09	1,099.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,123.69	24.64	25.42	0.78	1,098.89	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11																			
	9/20/01	1,122.31	--	36.90	0.00	1,085.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/01	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,122.31	--	37.05	0.00	1,085.26	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--
	11/15/01	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,122.31	--	37.11	0.00	1,085.20	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--
	3/5/02	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,122.31	--	37.10	0.00	1,085.21	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--
	11/11/02	1,122.31	--	37.15	0.00	1,085.16	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--
	2/24/03	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/03	1,122.31	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-11D																			
	11/16/01	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/02	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/02	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/03	1,122.15	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-12																			
	9/21/01	1,122.29	28.80	28.90	0.10	1,093.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/01	1,122.29	28.97	29.44	0.47	1,093.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	1,122.29	28.61	30.08	1.47	1,093.39	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--
	11/15/01	1,122.29	28.40	30.43	2.03	1,093.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,122.29	26.81	31.49	4.68	1,094.54	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--
	3/6/02	1,122.29	22.99	26.72	3.73	1,098.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/26/02	1,122.29	32.97	36.18	3.21	1,088.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,122.29	27.80	29.55	1.75	1,094.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/02	1,122.29	29.32	31.21	1.89	1,092.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,122.29	29.10	30.09	0.99	1,092.99	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL				--	--	--	--	--	--	--	--	--
	8/21/02	1,122.29	29.02	30.70	1.68	1,092.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/02	1,122.29	29.12	30.30	1.18	1,092.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/02	1,122.29	28.21	29.26	1.05	1,093.87	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-12 (cont.)	11/11/02	1,122.29	28.59	29.65	1.06	1,093.49	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	1/4/03	1,122.29	28.44	29.51	1.07	1,093.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/03	1,122.29	28.17	29.21	1.04	1,093.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,122.29	28.89	29.96	1.07	1,093.19	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	4/4/03	1,122.29	26.98	28.05	1.07	1,095.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/03	1,122.29	27.71	28.77	1.06	1,094.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,122.29	27.63	28.66	1.03	1,094.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,122.29	29.96	34.79	4.83	1,091.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,122.29	30.00	35.75	5.75	1,091.14	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/8/03	1,122.29	29.92	30.94	1.02	1,092.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,122.29	29.37	30.38	1.01	1,092.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,122.29	29.94	34.80	4.86	1,091.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,122.29	30.10	32.80	2.79	1,091.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,122.29	30.11	31.75	1.64	1,091.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,122.29	30.28	31.65	1.37	1,091.74	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/6/03	1,122.29	30.46	30.99	0.53	1,091.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,122.29	30.40	31.70	1.30	1,091.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,122.29	30.38	32.10	1.72	1,091.57	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,122.29	30.12	31.20	1.08	1,091.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,122.29	30.26	31.95	1.69	1,091.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,122.29	29.73	33.70	3.97	1,091.77	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/10/04	1,122.29	29.87	33.70	3.83	1,091.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,122.29	30.35	34.14	3.79	1,091.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,122.29	30.19	33.50	3.31	1,091.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,122.29	29.82	34.06	4.24	1,091.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04	1,122.29	29.62	33.07	3.45	1,091.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,122.29	29.53	32.54	3.01	1,092.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04	1,122.29	29.40	32.10	2.70	1,092.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05	1,122.29	29.80	32.93	3.13	1,091.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05	1,122.29	30.25	33.05	2.80	1,091.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,122.29	30.77	34.80	4.03	1,090.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	1,122.29	31.29	33.17	1.88	1,090.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05	1,122.29	31.14	32.70	1.56	1,090.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,122.29	31.02	33.21	2.19	1,090.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05	1,122.29	30.80	34.02	3.22	1,090.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06	1,122.29	24.96	26.23	1.27	1,097.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06	1,122.29	27.96	29.70	1.74	1,093.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06	1,122.29	28.48	29.56	1.08	1,093.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,122.29	27.94	29.73	1.79	1,093.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,122.29	27.72	29.46	1.74	1,094.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,122.29	27.18	29.19	2.01	1,094.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,122.29	27.38	30.13	2.75	1,094.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,122.29	26.78	31.08	4.30	1,094.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,122.29	26.83	29.06	2.23	1,095.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,122.29	--	27.08	0.00	1,095.21	--	--	--	--	--	--	--	--	--	--	--	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-12 (cont.)	2/12/08	1,122.29	27.26	30.99	3.73	1,094.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,122.29	28.69	31.67	2.98	1,093.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,122.29	27.32	31.26	3.94	1,094.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/09	1,122.29	28.98	32.10	3.12	1,092.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/09	1,122.29	30.21	32.75	2.54	1,091.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,122.29	30.51	32.24	1.73	1,091.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,122.29	30.48	31.94	1.46	1,091.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,122.29	30.32	31.50	1.18	1,091.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,122.29	30.15	31.10	0.95	1,091.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,122.29	--	29.92	0.00	1,092.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,122.29	--	30.17	0.00	1,092.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,122.29	30.10	31.72	1.62	1,091.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,122.29	30.38	31.80	1.42	1,091.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10	1,122.29	30.29	31.61	1.32	1,091.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/10	1,122.29	30.06	31.24	1.18	1,091.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,122.29	29.60	31.00	1.40	1,092.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,122.29	29.01	30.43	1.42	1,093.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10	1,122.29	27.94	29.66	1.42	1,093.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,122.29	28.24	32.23	3.99	1,093.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11	1,122.29	28.71	31.70	2.99	1,092.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,122.29	28.13	29.70	1.57	1,093.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,122.29	28.35	30.85	2.50	1,093.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11	1,122.29	28.15	30.20	2.05	1,093.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,122.29	27.95	30.00	2.05	1,093.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,122.29	28.00	36.90	8.90	1,092.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11	1,122.29	28.95	31.80	2.85	1,092.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,122.29	28.82	31.40	2.58	1,092.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,122.29	29.75	32.50	2.75	1,091.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,122.29	30.05	36.60	6.55	1,090.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,122.29	28.12	30.97	2.85	1,093.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,122.29	30.20	33.00	2.80	1,091.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12	1,122.29	29.87	31.59	1.72	1,092.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12	1,122.29	30.36	32.40	2.04	1,091.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,122.29	30.43	31.92	1.49	1,091.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/12	1,122.29	29.37	30.15	0.78	1,092.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/13	1,122.29	29.27	30.11	0.84	1,092.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,122.29	29.37	29.98	0.61	1,092.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,122.29	29.38	29.92	0.54	1,092.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,122.29	29.50	30.02	0.52	1,092.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,122.29	29.53	29.92	0.39	1,092.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/13	1,122.29	30.56	30.98	0.42	1,091.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,122.29	30.68	31.03	0.35	1,091.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,122.29	29.14	29.60	0.46	1,093.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,122.29	30.59	31.09	0.50	1,091.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,122.29	29.96	30.88	0.92	1,092.15	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-12 (cont.)																				
	12/29/13	1,122.29	INACCESSIBLE - FROZEN SHUT				--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/27/14	1,122.29	29.77	30.52	0.75	1,092.37	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/20/14	1,122.29	30.44	31.02	0.58	1,091.73	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/18/14	1,122.29	30.46	31.38	0.92	1,091.65	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/15/14	1,122.29	28.39	30.83	2.44	1,093.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/5/14	1,122.29	30.31	33.11	2.80	1,091.42	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/18/14	1,122.29	30.49	31.02	0.53	1,091.69	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/15/14	1,122.29	31.23	32.01	0.78	1,090.90	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/5/14	1,122.29	30.00	30.28	0.28	1,092.23	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/22/14	1,122.29	30.53	30.97	0.44	1,091.67	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/13/14	1,122.29	30.63	31.01	0.38	1,091.58	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/13/14	1,122.29	30.79	31.06	0.27	1,091.45	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/22/14	1,122.29	28.91	31.73	2.82	1,092.82	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/18-19/15	1,122.29	30.36	32.08	1.72	1,091.59	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/9/15	1,122.29	28.89	31.33	2.44	1,092.91	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/15	1,122.29	29.83	31.11	1.28	1,092.20	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21/15	1,122.29	25.99	27.66	1.67	1,095.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/9/15	1,122.29	28.62	31.04	2.42	1,093.19	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/16	1,122.29	19.90	23.75	3.85	1,101.62	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/22/16	1,122.29	21.39	23.32	1.93	1,100.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/11/16	1,122.29	21.21	24.06	2.85	1,100.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/19/17	1,122.29	20.31	24.44	4.13	1,101.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/17	1,122.29	19.74	24.09	4.35	1,101.68	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/16/17	1,122.29	20.69	24.60	3.91	1,100.82	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/3/17	1,122.29	20.62	22.23	1.61	1,101.35	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13																				
	9/21/01	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/4/01	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/9/01	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/24/02	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/5/02	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/19/02	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/16/02	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/11/02	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/24/03	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/1-4/03	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/23/03	1,122.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ABANDONED																				
MW-14																				
	9/21/01	1,121.89	--	36.15	0.00	1,085.74	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/4/01	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/9/01	1,121.89	--	36.25	0.00	1,085.64	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	
	1/24/02	1,121.89	--	36.31	0.00	1,085.58	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	--
	3/5/02	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/19/02	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead					
MW-14 (cont.)																								
	7/16/02	1,121.89	--	36.40	0.00	1,085.49	NOT SAMPLED DUE TO INSUFFICIENT WATER													--	--	--	--	--
	11/11/02	1,121.89	--	36.49	0.00	1,085.40	NOT SAMPLED DUE TO INSUFFICIENT WATER													--	--	--	--	--
	2/24/03	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	4/1-4/03	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	6/23/03	1,121.89	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
ABANDONED																								
MW-15																								
	11/15/01	1,122.33	--	32.51	0.00	1,089.82	--	--	--	--	--	--	--	--	--	--	--	--	--					
	1/24/02	1,122.33	30.65	31.19	0.54	1,091.57	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	3/6/02	1,122.33	21.82	22.68	0.86	1,100.34	--	--	--	--	--	--	--	--	--	--	--	--	--					
	4/26/02	1,122.33	33.07	33.65	0.58	1,089.14	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/19/02	1,122.33	31.80	32.65	0.85	1,090.36	--	--	--	--	--	--	--	--	--	--	--	--	--					
	6/14/02	1,122.33	33.20	34.06	0.86	1,088.96	--	--	--	--	--	--	--	--	--	--	--	--	--					
	7/16/02	1,122.33	32.76	33.49	0.73	1,089.42	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	8/21/02	1,122.33	32.65	33.29	0.64	1,089.55	--	--	--	--	--	--	--	--	--	--	--	--	--					
	9/20/02	1,122.33	32.48	33.17	0.69	1,089.71	--	--	--	--	--	--	--	--	--	--	--	--	--					
	10/23/02	1,122.33	32.30	33.10	0.80	1,089.87	--	--	--	--	--	--	--	--	--	--	--	--	--					
	11/11/02	1,122.33	32.34	33.20	0.86	1,089.82	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	1/4/03	1,122.33	32.36	33.10	0.74	1,089.82	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/3/03	1,122.33	31.96	32.79	0.83	1,090.20	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/24/03	1,122.33	32.56	33.41	0.85	1,089.60	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	4/1-4/03	1,122.33	31.43	32.22	0.79	1,090.74	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/14/03	1,122.33	31.24	32.06	0.82	1,090.93	--	--	--	--	--	--	--	--	--	--	--	--	--					
	6/14/03	1,122.33	31.22	32.03	0.81	1,090.95	--	--	--	--	--	--	--	--	--	--	--	--	--					
	6/30/03	1,122.33	33.98	35.18	1.20	1,088.11	--	--	--	--	--	--	--	--	--	--	--	--	--					
	7/15/03	1,122.33	34.20	35.40	1.20	1,087.89	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	8/8/03	1,122.33	31.63	32.47	0.84	1,090.53	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/17/03	1,122.33	33.41	34.20	0.79	1,088.76	--	--	--	--	--	--	--	--	--	--	--	--	--					
	9/5/03	1,122.33	34.76	35.89	1.13	1,087.34	--	--	--	--	--	--	--	--	--	--	--	--	--					
	9/17/03	1,122.33	35.63	36.81	1.18	1,086.46	--	--	--	--	--	--	--	--	--	--	--	--	--					
	10/23/03	1,122.33	33.76	34.37	0.61	1,088.45	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	11/6/03	1,122.33	33.96	34.40	0.44	1,088.28	--	--	--	--	--	--	--	--	--	--	--	--	--					
	11/25/03	1,122.33	33.90	34.15	0.25	1,088.38	--	--	--	--	--	--	--	--	--	--	--	--	--					
	1/13/04	1,122.33	33.70	34.00	0.30	1,088.57	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	2/18/04	1,122.33	33.98	34.36	0.38	1,088.27	--	--	--	--	--	--	--	--	--	--	--	--	--					
	3/16/04	1,122.33	33.83	34.14	0.31	1,088.44	--	--	--	--	--	--	--	--	--	--	--	--	--					
	4/13/04	1,122.33	33.68	33.95	0.27	1,088.60	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL													--	--	--	--	
	5/11/04	1,122.33	33.91	34.11	0.20	1,088.38	--	--	--	--	--	--	--	--	--	--	--	--	--					
	6/15/04	1,122.33	34.24	34.65	0.41	1,088.01	--	--	--	--	--	--	--	--	--	--	--	--	--					
	7/12/04	1,122.33	30.19	33.50	3.31	1,091.48	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/17/04	1,122.33	33.72	33.77	0.05	1,088.60	--	--	--	--	--	--	--	--	--	--	--	--	--					
	9/15/04 ⁶	1,122.33	--	33.31	0.00	1,089.02	--	--	--	--	--	--	--	--	--	--	--	--	--					
	10/13/04 ⁶	1,122.33	--	33.16	0.00	1,089.17	--	--	--	--	--	--	--	--	--	--	--	--	--					
	11/17/04 ⁶	1,122.33	--	32.93	0.00	1,089.40	--	--	--	--	--	--	--	--	--	--	--	--	--					
	1/13/05 ⁶	1,122.33	33.89	33.92	0.03	1,088.43	--	--	--	--	--	--	--	--	--	--	--	--	--					

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-15 (cont.)	2/18/05 ⁶	1,122.33	--	23.96	0.00	1,098.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05 ⁶	1,122.33	34.62	34.74	0.12	1,087.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2-5/05 ⁶	1,122.33	34.82	35.09	0.27	1,087.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05 ⁶	1,122.33	--	34.77	0.00	1,087.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,122.33	--	34.61	0.00	1,087.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05 ⁶	1,122.33	--	33.73	0.00	1,088.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,122.33	--	33.32	0.00	1,089.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06 ⁶	1,122.33	33.00	33.02	0.02	1,089.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06 ⁶	1,122.33	--	35.50	0.00	1,086.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06 ⁶	1,122.33	31.51	31.51	0.00	1,090.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06 ⁶	1,122.33	31.91	31.91	0.00	1,090.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06 ⁶	1,122.33	--	31.51	0.00	1,090.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06 ⁶	1,122.33	--	31.20	0.00	1,091.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,122.33	FILLED WITH ICE			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,122.33	--	30.73	0.00	1,091.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,122.33	--	38.39	0.00	1,083.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,122.33	30.19	30.21	0.27	1,092.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,122.33	31.49	31.50	0.01	1,090.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,122.33	--	32.20	0.00	1,090.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,122.33	--	30.24	--	1,092.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3-4/09	1,122.33	32.17	32.20	0.03	1,090.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,122.33	33.32	33.39	0.07	1,089.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09 ⁶	1,122.33	33.34	33.37	0.03	1,088.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09 ⁶	1,122.33	--	33.41	0.00	1,088.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09 ⁶	1,122.33	--	33.15	0.00	1,089.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,122.33	--	32.70	0.00	1,089.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09 ⁶	1,122.33	--	32.51	0.00	1,089.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,122.33	--	32.72	0.00	1,089.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10 ⁶	1,122.33	--	32.96	0.00	1,089.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10 ⁶	1,122.33	33.15	33.17	0.02	1,089.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10 ⁶	1,122.33	33.19	33.22	0.03	1,089.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10 ⁶	1,122.33	32.96	32.97	0.01	1,089.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,122.33	--	32.45	0.00	1,089.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10 ⁶	1,122.33	--	31.05	0.00	1,091.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10 ⁶	1,122.33	--	29.68	0.00	1,092.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10 ⁶	1,122.33	--	30.08	0.00	1,092.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11 ⁶	1,122.33	--	30.71	0.00	1,091.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11 ⁶	1,122.33	--	31.16	0.00	1,091.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11 ⁶	1,122.33	30.31	30.33	0.02	1,092.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11 ⁶	1,122.33	30.62	30.70	0.08	1,091.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11 ⁶	1,122.33	31.26	31.28	0.02	1,091.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,122.33	--	30.92	0.00	1,091.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11 ⁶	1,122.33	29.90	30.00	0.10	1,092.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11 ⁶	1,122.33	--	29.35	0.00	1,092.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11 ⁶	1,122.33	--	29.55	0.00	1,092.78	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-15 (cont.)	12/21/11 ⁶	1,122.33	--	29.80	0.00	1,092.53	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/28/12 ⁶	1,122.33	--	29.77	0.00	1,092.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/24/12 ⁶	1,122.33	--	31.70	0.00	1,090.63	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/20/12 ⁶	1,122.33	33.40	33.50	0.10	1,088.91	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/21/12 ⁶	1,122.33	--	28.95	0.00	1,093.38	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/21/12 ⁶	1,122.33	--	33.35	0.00	1,088.98	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/25/12 ⁶	1,122.33	--	32.11	0.00	1,090.22	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/12 ⁶	1,122.33	33.21	33.25	0.04	1,089.11	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/24/12 ⁶	1,122.33	29.87	31.59	1.72	1,092.12	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/30/12	1,122.33	--	31.82	0.00	1,090.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/18/13	1,122.33	--	31.77	0.00	1,090.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/19-20/13	1,122.33	--	31.54	0.00	1,090.79	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/31/13	1,122.33	--	31.77	0.00	1,090.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/28/13	1,122.33	--	31.63	0.00	1,090.70	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/13/13	1,122.33	--	31.71	0.00	1,090.62	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/29/13	1,122.33	--	33.31	0.00	1,089.02	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/30/13	1,122.33	--	33.68	0.00	1,088.65	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/12/13	1,122.33	--	30.92	0.00	1,091.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/29/13	1,122.33	--	33.72	0.00	1,088.61	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/29/13	1,122.33	--	31.36	0.00	1,090.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/27/14	1,122.33	--	32.03	0.00	1,090.30	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/20/14	1,122.33	--	31.12	0.00	1,091.21	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/18/14	1,122.33	33.01	33.04	0.03	1,089.31	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/14/14	1,122.33	--	28.81	0.00	1,093.52	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/5/14	1,122.33	--	33.41	0.00	1,088.92	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/18/14	1,122.33	33.15	33.21	0.06	1,089.17	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/15/14	1,122.33	--	31.79	0.00	1,090.54	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/5/14	1,122.33	32.30	32.33	0.03	1,090.02	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/23/14	1,122.33	--	33.77	0.00	1,088.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/13/14	1,122.33	--	33.77	0.00	1,088.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/13/14	1,122.33	--	33.83	0.00	1,088.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/23/14	1,122.33	29.72	29.83	0.11	1,092.59	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1/18-19/15	1,122.33	INACCESSIBLE- FROZEN SHUT				--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/15	1,122.33	--	29.83	0.00	1,092.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/18/15	1,122.33	--	29.26	0.00	1,093.07	--	14,000/15,000	<340/<340	1,600	9.0	<2.0	0.7	19	--	--	--	--	--	
	6/18/15 (D)	--	--	--	--	--	--	3,900	360	1,200	7.9	<2.0	0.8	18	--	--	--	--	--	
	9/21/15	1,122.33	--	27.91	0.00	1,094.42	--	1,400/2,600	93/560	4,800	5.5	7.6	11	19	--	--	--	--	--	
	9/21/15 (D)	--	--	--	--	--	--	--/3,700	--/490	6,100	5.3	5.2	6.8	14	--	--	--	--	--	
	12/9/15	1,122.33	--	26.99	0.00	1,095.34	--	340/560	--/88	2,600	4.2	4.1	4.7	6.3	--	--	--	--	--	
	12/19/15 (D)	--	--	--	--	--	--	500/620	--/99	2,000	3.3	2.3	2.8	4.4	--	--	--	--	--	
	3/14-15/16	1,122.33	--	23.27	0.00	1,099.06	--	49/230	160/600	240	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	3/14-15/16 (D)	--	--	--	--	--	--	--/230	--/540	140	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	6/22/16	1,122.33	--	25.26	0.00	1,097.07	--	<29/66	<68/240	120	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	6/22/16 (D)	--	--	--	--	--	--	--/150	--/540	120	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	9/11-12/16	1,122.33	--	24.62	0.00	1,097.71	--	53/170	<67/450	320	<0.5	<0.5	<0.5	<0.5	--	0.021	<0.5	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-15 (cont.)																			
	9/11-12/16 (D)	--	--	--	--	--	--	--/170	--/440	210	<0.5	<0.5	<0.5	<0.5	--	<0.0094	<0.5	--	--
	3/19/17	1,122.33	--	23.50	0.00	1,098.83	--	<29/160	110/460	81	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.2	25.1
	3/16/17 (D)	--	--	--	--	--	--	--/190	--/450	110	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	--
	6/19/17	1,122.33	--	23.45	0.00	1,098.88	--	100/340	510/1,200	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	27.4
	6/19/17 (D)	--	--	--	--	--	--	<29/150	110/740	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	--
	10/16/17	1,122.33	--	22.96	0.00	1,099.37	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	45.8
	10/16/17 (D)	--	--	--	--	--	--	--/37	--/200	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	--
	12/3/17	1,122.33	--	23.35	0.00	1,098.98	--	<29/30	<69/<69	140	<0.5	<0.5	<0.5	<0.5	--	<0.0094	<0.5	6.9	48.2
	12/3/17 (D)	--	--	--	--	--	--	<29/<29	<68/<68	82	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	--
MW-16																			
	11/15/01	1,121.72	--	44.10	0.00	1,077.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/24/02	1,121.72	42.35	49.24	6.89	1,077.99	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	3/6/02	1,121.72	40.60	50.10	9.50	1,079.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/26/02	1,121.72	40.11	48.45	8.34	1,079.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/02	1,121.72	44.20	47.19	2.99	1,076.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/13/02	1,121.72	45.58	48.02	2.44	1,075.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,121.72	44.40	45.48	1.08	1,077.10	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/21/02	1,121.72	44.14	45.14	1.00	1,077.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/02	1,121.72	43.98	44.95	0.97	1,077.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/02	1,121.72	44.08	45.21	1.13	1,077.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/02	1,121.72	43.35	45.52	2.17	1,077.94	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	1/4/03	1,121.72	44.19	45.31	1.12	1,077.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/03	1,121.72	43.07	45.16	2.09	1,078.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,121.72	45.25	46.85	1.60	1,076.15	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	4/4/03	1,121.72	42.97	44.03	1.06	1,078.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/03	1,121.72	45.20	46.90	1.70	1,076.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,121.72	45.18	46.85	1.67	1,076.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,121.72	44.80	46.44	1.64	1,076.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,121.72	44.90	46.58	1.68	1,076.48	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	8/8/03	1,121.72	44.80	45.95	1.15	1,076.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,121.72	46.22	47.86	1.64	1,075.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,121.72	44.72	45.40	0.68	1,076.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,121.72	44.74	45.40	0.66	1,076.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,121.72	44.51	45.20	0.69	1,077.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,121.72	44.72	45.38	0.66	1,076.87	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/6/03	1,121.72	44.77	45.25	0.48	1,076.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,121.72	42.12	42.49	0.37	1,079.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,121.72	44.96	45.50	0.54	1,076.65	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,121.72	44.78	45.21	0.43	1,076.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,121.72	45.08	45.54	0.46	1,076.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,121.72	44.97	45.23	0.26	1,076.70	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/11/04	1,121.72	45.11	45.39	0.28	1,076.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,121.72	45.55	45.64	0.09	1,076.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,121.72	44.98	45.18	0.20	1,076.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,121.72	44.81	44.82	0.01	1,076.91	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-16 (cont.)	10/13/04	1,121.72	--	44.82	>0.0	1,076.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04	1,121.72	--	44.73	>0.0	1,076.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05	1,121.72	45.32	45.66	0.34	1,076.33	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/05	1,121.72	44.94	45.05	0.10	1,076.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,121.72	45.28	45.48	0.20	1,076.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	1,121.72	45.54	45.91	0.37	1,076.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05	1,121.72	45.31	45.50	0.19	1,076.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,121.72	45.23	45.26	0.03	1,076.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05	1,121.72	44.50	45.51	0.01	1,076.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ^a	1,121.72	--	44.26	0.00	1,077.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,121.72	43.62	47.68	4.06	1,077.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,121.72	44.15	45.33	1.18	1,077.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,121.72	42.33	46.69	4.36	1,078.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,121.72	42.22	48.15	5.93	1,078.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,121.72	29.65	50.00	20.35	1,088.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,121.72	40.29	49.99	9.70	1,079.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,121.72	39.27	49.99	10.72	1,080.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,121.72	40.75	49.93	9.18	1,079.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,121.72	42.91	50.05	7.14	1,077.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,121.72	43.09	45.36	2.27	1,078.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/09	1,121.72	44.31	45.94	1.63	1,077.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/09	1,121.72	45.34	46.95	1.61	1,076.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,121.72	45.23	46.19	0.96	1,076.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,121.72	45.09	45.75	0.66	1,076.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,121.72	44.88	45.23	0.35	1,076.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,121.72	44.28	44.58	0.30	1,077.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,121.72	44.13	44.38	0.25	1,077.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,121.72	44.29	44.64	0.35	1,077.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,121.72	44.52	44.62	0.10	1,077.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,121.72	44.62	44.91	0.29	1,077.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10	1,121.72	44.85	45.17	0.32	1,076.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/20/10	1,121.72	44.85	45.13	0.28	1,076.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,121.72	43.97	44.03	0.06	1,077.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,121.72	42.85	42.99	0.14	1,078.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10	1,121.72	41.73	41.87	0.14	1,079.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,121.72	41.22	42.35	1.13	1,080.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11	1,121.72	42.06	45.13	3.07	1,079.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11	1,121.72	42.22	44.12	1.90	1,079.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,121.72	42.98	46.60	3.62	1,078.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11	1,121.72	43.52	45.28	1.76	1,077.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,121.72	42.78	43.85	1.07	1,078.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,121.72	42.70	44.12	1.42	1,078.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11	1,121.72	42.20	44.15	1.95	1,079.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,121.72	41.55	49.10	7.55	1,078.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,121.72	41.30	49.15	7.85	1,078.85	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-16 (cont.)	12/21/11	1,121.72	41.30	47.30	6.00	1,079.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,121.72	41.38	47.42	6.04	1,079.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,121.72	43.50	48.45	4.95	1,077.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,121.72	43.80	49.50	5.70	1,076.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,121.72	40.48	47.50	7.02	1,079.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,121.72	43.10	48.20	5.10	1,077.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12	1,121.72	44.36	46.31	1.95	1,076.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12	1,121.72	43.21	46.80	3.59	1,077.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,121.72	42.78	45.80	3.02	1,078.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/12	1,121.72	42.24	43.30	1.06	1,079.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/13	1,121.72	41.81	43.13	1.32	1,079.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,121.72	43.14	44.37	1.23	1,078.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,121.72	43.36	44.51	1.15	1,078.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,121.72	43.80	44.83	1.03	1,077.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,121.72	43.88	44.79	0.91	1,077.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/13	1,121.72	45.03	45.83	0.80	1,076.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,121.72	45.22	45.97	0.75	1,076.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,121.72	43.07	43.86	0.79	1,078.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,121.72	45.58	45.99	0.41	1,076.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,121.72	41.36	42.41	1.05	1,080.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,121.72	42.72	43.53	0.81	1,078.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,121.72	43.70	44.23	0.53	1,077.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,121.72	42.08	43.01	0.93	1,079.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/18/14	1,121.72	44.48	45.31	0.83	1,077.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/14	1,121.72	40.93	47.13	6.20	1,079.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,121.72	43.53	48.31	4.78	1,077.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/14	1,121.72	44.39	45.33	0.94	1,077.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/14	1,121.72	44.40	46.13	1.73	1,076.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,121.72	43.88	44.37	0.49	1,077.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/14	1,121.72	43.89	45.96	2.07	1,077.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,121.72	45.61	45.93	0.32	1,076.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/14	1,121.72	45.77	46.01	0.24	1,075.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/23/14	1,121.72	41.22	46.83	5.61	1,079.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,121.72	44.93	45.10	0.17	1,076.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/15	1,121.72	41.43	46.13	4.70	1,079.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,121.72	44.39	45.11	0.72	1,077.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,121.72	41.93	42.16	0.23	1,079.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,121.72	41.89	43.33	1.44	1,079.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,121.72	39.94	49.49	9.55	1,079.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,121.72	36.86	48.62	11.76	1,082.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,121.72	35.70	47.75	12.05	1,083.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/17	1,121.72	38.91	47.41	8.50	1,081.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,121.72	31.66	47.44	15.78	1,086.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,121.72	31.13	46.18	15.05	1,087.58	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-16 (cont.)																			
	12/3/17	1,121.72	36.07	36.22	0.15	1,085.62	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17																			
	6/12/02	1,123.36	--	28.65	0.00	1,094.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,123.36	--	29.26	0.00	1,094.10	--	500	<750	3,400	32	14	8.1	130	<5.0	--	<5.0	29.6	--
	11/11/02	1,123.36	--	29.04	0.00	1,094.32	--	600	<250	2,100	48	7.7	43	99	<20	--	<20	<1.2	--
	2/24/03	1,123.36	--	29.18	0.00	1,094.18	--	380	<250	2,100	58	7.1	64	110	<10	--	<10	<1.1	--
	4/1-4/03	1,123.36	--	29.33	0.00	1,094.03	--	580	260	3,300	39	8.5	45	93	<50/<2 ¹²	--	<50/<2 ¹²	--	--
	7/1/03	1,123.36	--	29.98	0.00	1,093.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,123.36	--	29.86	0.00	1,093.50	--	280	<250	1,300	30	2.6	11	27	<20	--	<20	<1.2	13.9
	10/23/03 (D)	1,123.36	--	30.08	0.00	1,093.28	--	480	<94	4,600	13	5.3	1.6	66	--	--	--	<1.2	--
	10/23/03	1,123.36	--	30.08	0.00	1,093.28	--	470	100	4,800	12	5.3	1.5	69	--	--	--	<1.2	--
	1/13/04	1,123.36	--	30.45	0.00	1,092.91	--	390	<95	2,200	15	5.3	1.9	27	<10	--	<10	<1.2	--
	4/14/04	1,123.36	--	30.15	0.00	1,093.21	--	540	<100	2,800	13	5.4	2.5	39	<100	--	<100	<1.2	--
	7/13/04	1,123.36	--	30.66	0.00	1,092.70	--	410	<96	2,900	16	5.8	2.6	35	<100	--	<100	1.0	--
	10/13/04	1,123.36	--	29.12	0.00	1,094.24	--	<77	<97	130	16	2.8	3.0	6	<20	--	<20	<0.99	--
	1/12/05	1,123.36	--	29.55	0.00	1,093.81	--	190	<100	1,400	11	5.1	2.1	14	--	--	--	<0.99	--
	5/4/05	1,123.36	--	33.05	0.00	1,090.31	--	300	180	620	7	2.7	<0.5	6	<10	--	<10	<0.87	--
	7/13/05	1,123.36	--	30.87	0.00	1,092.49	--	340	<100	470	3.8	0.8	<0.5	5.6	16	--	16	<0.87	--
	10/27/05	1,123.36	--	30.15	0.00	1,093.21	--	180	120	710	20	6.3	2.1	14	--	--	--	<0.87	--
	3/14/06	1,123.36	--	27.15	0.00	1,096.21	--	330	110	2,900	41	47.0	110	330	--	--	--	--	--
	5/22/06	1,123.36	--	27.07	0.00	1,096.29	--	210	<96	2,200	<20	12.0	54	170	--	--	--	--	--
	10/3/06	1,123.36	--	26.52	0.00	1,096.84	--	440	<100	6,600	34	37.0	310	660	--	--	--	--	--
	5/23/07	1,123.36	--	26.46	0.00	1,096.90	--	620	340	8,200	56	74.0	410	900	--	--	--	--	--
	11/6/07	1,123.36	--	24.97	0.00	1,098.39	--	990	<110	18,000	110	73.0	560	1,100	--	--	--	--	--
	5/14/08	1,123.36	--	27.21	0.00	1,096.15	--	<77	<97	290	6.5	1.8	5.4	4	--	--	--	--	--
	5/18-19/09	1,123.36	--	29.07	0.00	1,094.29	--	63	<74	140	3.3	0.8	<0.5	<1.5	--	--	--	--	--
	5/18-20/10	1,123.36	--	29.67	0.00	1,093.69	--	810	990	410	6.1	6.0	1	14	--	--	--	--	--
	5/5/11	1,123.36	--	27.48	0.00	1,095.88	--	220	250	470	4.3	3.6	12	8.9	--	--	--	--	--
	5/22/12	1,123.36	--	30.10	0.00	1,093.26	--	<31	<72	98	2.7	0.8	0.6	<1.5	--	--	--	--	--
	5/14/13	1,123.36	--	28.82	0.00	1,094.54	--	<29	<67	120	4.2	3.0	<0.5	7.4	--	--	--	--	--
	5/5/14	1,123.36	INACCESSIBLE - DUE TO CONSTRUCTION ACTIVITIES																
	6/18/15	1,123.36	--	25.98	0.00	1097.38	--	83/590	<68/250	7,200	23	73	660	890	--	--	--	--	--
	9/21/15	1,123.36	--	25.25	0.00	1098.11	--	130/760	<66/<66	5,800	16	60	370	700	--	--	--	--	--
	12/9/15	1,123.36	--	25.25	0.00	1098.11	--	110/640	--/<66	8,300	18	45	410	740	--	--	--	--	--
	3/14-15/16	1,123.36	--	21.81	0.00	1101.55	--	220/1,700	<67/300	38,000	75	470	1,300	2,900	--	--	--	--	--
	6/22-23/16	1,123.36	--	20.55	0.00	1102.81	--	260/2,100	<66/480	72,000	150	2,400	2,200	7,900	--	--	--	--	--
	9/11-12/16	1,123.36	--	20.71	0.00	1102.65	--	340/2,000	<67/350	63,000	63	1,800	1,500	7,500	--	1.40	<0.5	--	--
	3/19/17	1,123.36	--	21.46	0.00	1101.90	--	310/1,600	<67/410	41,000	48	860	1,500	4,100	--	0.73	<0.5	6.5	19.2
	6/19/17	1,123.36	--	21.32	0.00	1102.04	--	300/1,500	<67/300	74,000	77	2,600	2,400	10,000	--	1.30	<0.5	<6.0	19.6
	10/16/17	1,123.36	--	20.42	0.00	1102.94	--	260/1,400	<67/240	52,000	56	2,000	1,900	7,500	--	0.71	<10	6.7	17.8
	12/3/17	1,123.36	--	20.80	0.00	1102.56	--	290/1,800	<67/280	55,000	57	1,200	2,100	7,000	--	0.47	<10	6.3	15.1
MW-18																			
	6/12/02	1,122.31	--	35.06	0.00	1,087.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,122.31	--	29.75	0.00	1,092.56	--	600	<750	20,000	<20	29	5.1	3,300	<10	--	<10	1.8	--
	11/11/02	1,122.31	--	29.61	0.00	1,092.70	--	510	<250	17,000	24	22	7.5	2,700	<50	--	<50	<1.2	--

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CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-18 (cont.)	2/24/03	1,122.31	--	29.78	0.00	1,092.53	--	15,000	330	25,000	36	25	11	2,800	<20	--	<20	5.9	--
	4/1-4/03	1,122.31	29.81	30.20	0.39	1,092.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/03	1,122.31	30.85	31.41	0.56	1,091.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,122.31	30.80	31.35	0.55	1,091.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,122.31	31.36	31.95	0.59	1,090.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,122.31	31.38	32.00	0.62	1,090.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/8/03	1,122.31	30.71	31.25	0.54	1,091.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,122.31	31.28	31.80	0.52	1,090.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,122.31	31.76	32.37	0.61	1,090.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,122.31	31.18	31.95	0.77	1,090.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,122.31	30.82	31.36	0.54	1,091.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,122.31	31.06	31.29	0.23	1,091.20	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	11/6/03	1,122.31	31.11	31.27	0.16	1,091.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,122.31	30.82	31.17	0.35	1,091.42	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	2/18/04	1,122.31	30.25	30.76	0.51	1,091.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,122.31	30.25	30.56	0.31	1,092.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,122.31	30.22	30.36	0.14	1,092.06	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	5/10/04	1,122.31	30.43	30.45	0.02	1,091.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,122.31	30.45	30.70	0.25	1,091.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,122.31	30.09	30.33	0.24	1,092.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,122.31	29.38	29.51	0.13	1,092.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,122.31	--	29.20	0.00	1,093.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04 ⁶	1,122.31	--	29.20	0.00	1,093.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04 ⁶	1,122.31	--	28.75	0.00	1,093.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05 ⁵	1,122.31	--	29.55	0.00	1,092.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05 ⁶	1,122.31	--	29.21	0.00	1,093.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05 ⁶	1,122.31	--	29.69	0.00	1,092.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2-5/05 ⁶	1,122.31	--	30.10	0.00	1,092.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05 ⁶	1,122.31	--	30.98	0.00	1,091.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,122.31	--	30.21	0.00	1,092.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05 ⁶	1,122.31	--	28.76	0.00	1,093.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,122.31	--	28.02	0.00	1,094.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,122.31	--	26.07	0.00	1,096.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/06	1,122.31	--	26.07	0.00	1,096.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,122.31	--	26.36	0.00	1,095.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/3/06	1,122.31	--	25.79	0.00	1,096.52	--	140	<100	110	3.7	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/07	1,122.31	--	25.48	0.00	1,096.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,122.31	--	25.43	0.00	1,096.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,122.31	--	24.92	0.00	1,097.39	--	<82	<100	160	3.4	<0.5	<2.0	<5.0	--	--	--	--	--
	2/12/08	1,122.31	--	26.09	0.00	1,096.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,122.31	--	26.69	0.00	1,095.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,122.31	--	28.41	0.00	1,093.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,122.31	--	28.64	0.00	1,093.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,122.31	--	28.60	0.00	1,093.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,122.31	--	28.32	0.00	1,093.99	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead		
MW-18 (cont.)																					
	10/2/09	1,122.31	--	27.89	0.00	1,094.42	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/10/09	1,122.31	--	27.63	0.00	1,094.68	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/15/09	1,122.31	--	27.80	0.00	1,094.51	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/22/10	1,122.31	--	28.26	0.00	1,094.05	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/5/10	1,122.31	--	28.56	0.00	1,093.75	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/12/10	1,122.31	--	28.61	0.00	1,093.70	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/18-20/10	1,122.31	--	28.49	0.00	1,093.82	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/6/10	1,122.31	--	28.02	0.00	1,094.29	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/5/11	1,122.31	--	26.29	0.00	1,096.02	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/21/12	1,122.31	--	27.70	0.00	1,094.61	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/14/13	1,122.31	--	27.36	0.00	1,094.95	--	<29	<67	65	0.8	<2.0	<2.0	<1.5	--	--	--	--	--		
	5/5/14	1,122.31	--	28.53	0.00	1,093.78	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--		
	6/18/15	1,122.31	--	31.30	0.00	1,091.01	--	<29/68	<67/ <67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--		
	9/21/15	1,122.31	--	25.10	0.00	1,097.21	--	<28/66	<66/ <66	140	0.5	<0.5	<0.5	<1.5	--	--	--	--	--		
	12/9/15	1,122.31	--	24.35	0.00	1,097.96	--	<28/140	--/310	<50	0.3	<0.2	<0.2	0.5	--	--	--	--	--		
	3/14-15/16	1,122.31	--	19.60	0.00	1,102.71	--	<28/130	100/650	440	2.4	0.7	<0.5	14	--	--	--	--	--		
	6/22/16	1,122.31	--	20.49	0.00	1,101.82	--	<29/100	66/610	86	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--		
	9/11/16	1,122.31	--	20.44	0.00	1,101.87	--	<29/240	120/660	110	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	--	--		
	3/19/17	1,122.31	--	20.08	0.00	1,102.23	--	150/480	1,200/2,700	95	<0.5	<0.5	<0.5	0.7	--	<0.0097	<0.5	<6.2	64.6		
	6/19/17	1,122.31	--	19.37	0.00	1,102.94	--	180/570	1,200/2,600	78	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	29.8		
	10/16/17	1,122.31	--	19.51	0.00	1,102.80	--	<28/63	<66/270	89	<0.5	<0.5	<0.5	<0.5	--	<0.0098	<0.5	<6.0	10.7		
	12/3/17	1,122.31	--	19.47	0.00	1,102.84	--	33/110	110/440	55	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	13.5		
MW-19																					
	6/13/02	1,120.44	--	37.51	0.00	1,082.93	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/16/02	1,120.44	--	33.69	0.00	1,086.75	--	960	<750	1,200	1,500	25	3.1	31	<5.0	--	<5.0	1.7	--		
	11/11/02	1,120.44	--	32.71	0.00	1,087.73	--	910	<250	1,600	1,000	23	1.9	14	<20	--	<20	<1.2	--		
	2/24/03	1,120.44	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,120.44	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/03	1,120.44	--	34.66	0.00	1,085.78	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/15/03	1,120.44	--	34.50	0.00	1,085.94	--	910	<250	990	1,600	28	3.2	8.9	<20	--	<20	<1.2	--		
	10/24/03	1,120.44	--	33.73	0.00	1,086.71	--	100	130	1,500	1,100	17	1.0	6.3	<20	--	<20	2.8	--		
	10/24/03 (D)	1,120.44	--	33.73	0.00	1,086.71	--	750	140	910	1,500	27	<2.5	9.7	<1'	--	<1'	<1.2	--		
	1/13/04	1,120.44	--	34.50	0.00	1,085.94	--	570	310	1,200	1,200	21	<2.0	8.4	<10	--	<10	<1.2	--		
	1/13/04 (D)	1,120.44	--	34.50	0.00	1,085.94	--	650	280	1,200	1,200	22	<2.0	7.9	<10	--	<10	<1.2	--		
	4/13/04	1,120.44	--	34.98	0.00	1,085.46	--	680	<94	870	1,700	25	<2.5	<7.5	<1'	--	<1'	<1.2	--		
	7/14/04	1,120.44	--	34.55	0.00	1,085.89	--	620	<95	900	1,500	23	1.5	5.5	<100	--	<100	<0.99	--		
	10/13/04	1,120.44	--	33.05	0.00	1,087.39	--	96	<120	510	1,200	16	<2.5	<7.5	<50	--	<50	<0.99	--		
	1/12/05	1,120.44	--	34.32	0.00	1,086.12	--	130	<96	760	910	16	<2.5	<15	--	--	--	<0.99	--		
	5/4/05	1,120.44	--	35.36	0.00	1,085.08	--	550	170	890	1,200	16	2.9	<7.5	<13	--	<13	<0.87	--		
	7/13/05	1,120.44	--	34.29	0.00	1,086.15	--	610	<100	720	400	11	0.70	4.5	<10	--	<10	<0.87	--		
	10/27/05	1,120.44	--	32.78	0.00	1,087.66	--	500	<100	1,100	1,300	20	<5.0	<15	<25	--	<25	<0.87	--		
	3/14/06	1,120.44	--	32.47	0.00	1,087.97	--	210	<96	1,300	1,400	22	<5.0	<15	--	--	--	--	--		
	5/22/06	1,120.44	--	32.85	0.00	1,087.59	--	510	<100	1,000	980	13	<2.5	<7.5	--	--	--	--	--		
	10/3/06	1,120.44	--	30.12	0.00	1,090.32	--	2,000	<100	1,900	1,300	16	4.30	8.20	--	--	--	--	--		
	5/23/07	1,120.44	--	28.48	0.00	1,091.96	--	44,000	<2,000	4,400	640	14	7.30	<25	--	--	--	--	--		

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-19 (cont.)	11/5/07	1,120.44	28.65	29.20	0.55	1,091.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/08	1,120.44	--	32.98	0.00	1,087.46	--	150,000	<9,400	1,800	740	13	3.9	11	--	--	--	--	--
	5/18-19/09	1,120.44	34.47	34.84	0.37	1,085.90	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	7/30/09 ⁶	1,120.44	33.59	33.94	0.35	1,086.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/08 ⁶	1,120.44	33.39	33.39	0.01	1,087.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/09 ⁶	1,120.44	32.71	32.72	0.01	1,087.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09 ⁶	1,120.44	--	32.58	0.00	1,087.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09 ⁶	1,120.44	--	32.88	0.00	1,087.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10 ⁶	1,120.44	--	33.33	0.00	1,087.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10 ⁶	1,120.44	--	34.05	0.00	1,086.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10 ⁶	1,120.44	--	34.32	0.00	1,086.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10 ⁶	1,120.44	--	33.93	0.00	1,086.51	--	250,000	<14,000	17,000	170	18	35	93	--	--	--	--	--
	7/6/10 ⁶	1,120.44	--	31.86	0.00	1,088.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10 ⁶	1,120.44	--	30.15	0.00	1,090.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10 ⁶	1,120.44	29.20	29.30	0.10	1,091.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10 ⁶	1,120.44	29.77	29.78	0.01	1,090.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/1/11 ⁶	1,120.44	WELL BOX FILLED WITH ICE, UNABLE TO MONITOR																
	2/11/11 ⁶	1,120.44	WELL BOX FILLED WITH ICE, UNABLE TO MONITOR																
	5/5/11 ⁶	1,120.44	32.31	32.35	0.04	1,088.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11 ⁶	1,120.44	31.70	31.84	0.14	1,088.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,120.44	30.54	30.58	0.04	1,089.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,120.44	--	29.81	0.00	1,090.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11 ⁶	1,120.44	29.50	29.55	0.05	1,090.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,120.44	--	29.50	0.00	1,090.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,120.44	33.20	33.50	0.30	1,087.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11	1,120.44	30.00	30.20	0.20	1,090.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,120.44	29.93	30.11	0.18	1,090.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,120.44	32.10	32.42	0.32	1,088.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,120.44	32.55	32.70	0.15	1,087.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,120.44	29.65	29.90	0.25	1,090.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,120.44	33.05	33.35	0.30	1,087.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12	1,120.44	33.64	33.69	0.05	1,086.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12	1,120.44	31.94	32.07	0.13	1,088.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,120.44	--	30.82	0.00	1,089.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/12	1,120.44	--	30.10	0.00	1,090.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/13	1,120.44	--	29.96	0.00	1,090.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,120.44	31.39	31.48	0.09	1,089.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,120.44	31.42	31.51	0.09	1,089.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,120.44	32.05	32.26	0.21	1,088.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,120.44	31.97	32.22	0.25	1,088.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/13	1,120.44	33.43	33.91	0.48	1,086.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,120.44	33.53	34.02	0.49	1,086.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,120.44	--	29.57	0.00	1,090.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,120.44	33.66	34.01	0.35	1,086.71	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-19 (cont.)																			
	11/26/13	1,120.44	29.81	29.86	0.05	1,090.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,120.44	31.77	31.99	0.22	1,088.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,120.44	32.68	33.07	0.39	1,087.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,120.44	32.20	32.26	0.06	1,088.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/18/14	1,120.44	30.00	30.44	0.44	1,090.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/14	1,120.44	29.90	30.31	0.41	1,090.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,120.44	31.92	31.98	0.06	1,088.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/14	1,120.44	33.66	34.14	0.48	1,086.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/14	1,120.44	33.71	33.93	0.22	1,086.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,120.44	32.18	32.21	0.03	1,088.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/14	1,120.44	29.59	29.62	0.03	1,090.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,120.44	33.70	34.11	0.41	1,086.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/14	1,120.44	33.79	34.03	0.24	1,086.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/23/14	1,120.44	29.97	30.18	0.21	1,090.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,120.44	--	34.63	0.00	1,085.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/15	1,120.44	29.89	29.96	0.07	1,090.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,120.44	31.73	31.77	0.04	1,088.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,120.44	--	30.17	0.00	1,090.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,120.44	--	20.60	0.00	1,099.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,120.44	--	25.58	0.00	1,094.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,120.44	--	25.19	0.00	1,095.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,120.44	--	23.96	0.00	1,096.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/17	1,120.44	--	22.88	0.00	1,097.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,120.44	--	21.74	0.00	1,098.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,120.44	--	22.18	0.00	1,098.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,120.44	--	23.22	0.00	1,097.22	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-20																			
	6/14/02	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/02	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/02	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/03	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/03	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,116.43	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,117.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,117.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,117.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,116.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,116.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,116.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,116.49	--	44.61	0.00	1,071.88	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-20 (cont.)																			
	10/2/06	1,116.49	--	44.70	0.00	1,071.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/07	1,116.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,116.49	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,116.49	--	44.56	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-21																			
	3/6/03	1,121.13	--	31.67	0.00	1,089.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,121.13	--	32.03	0.00	1,089.10	--	1,000	290	3,300	2,300	47	20	83	<50/<2 ⁷	--	<50/<2 ⁷	<1.1	--
	7/1/03	1,121.13	--	32.89	0.00	1,088.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,121.13	--	32.88	0.00	1,088.25	--	520	<250	1,300	2,300	48	<10	49	<50	--	<50	<1.2	2.5
	8/29/03	1,121.13	--	32.56	0.00	1,088.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/03	1,121.13	--	32.50	0.00	1,088.63	--	790	120	870	1,200	28	3.7	43	<0.5 ¹²	--	<0.5 ¹²	<1.2	--
	1/13/04	1,121.13	--	32.65	0.00	1,088.48	--	810	180	2,300	1,900	41	13	79	<20	--	<20	<1.2	--
	4/14/04	1,121.13	--	32.53	0.00	1,088.60	--	730	110	2,300	3,000	56	22	92	<200	--	<200	<1.2	--
	7/13/04	1,121.13	--	32.45	0.00	1,088.68	--	850	180	2,000	3,000	51	24	95	<100	--	<100	<0.99	--
	10/13/04	1,121.13	--	31.30	0.00	1,089.83	--	150	160	1,300	3,500	47	36	53	<25	--	<25	<0.99	--
	1/12/05	1,121.13	--	32.17	0.00	1,088.96	--	330	<100	2,500	3,000	50	27	120	--	--	--	<0.99	--
	5/4/05	1,121.13	--	33.73	0.00	1,087.40	--	630	210	1,200	1,400	26	11	35	<25	--	<25	<0.87	--
	7/14/05	1,121.13	--	31.87	0.00	1,089.26	--	650	<100	1,400	1,600	34	15	47	<20	--	<20	<0.87	--
	10/27/05	1,121.13	--	31.79	0.00	1,089.34	--	480	120	2,300	3,500	53	39	83	--	--	--	<0.87	--
	3/14/06	1,121.13	--	30.53	0.00	1,090.60	--	630	<100	3,200	3,700	72	81	130	--	--	--	--	--
	5/22/06	1,121.13	--	30.67	0.00	1,090.46	--	440	<110	3,700	3,000	69	85	180	--	--	--	--	--
	10/3/06	1,121.13	--	28.64	0.00	1,092.49	--	720	3,900	<95	3,500	69	150	170	--	--	--	--	--
	5/23/07	1,121.13	--	28.08	0.00	1,093.05	--	1,100	450	3,600	2,900	65	150	130	--	--	--	--	--
	11/6/07	1,121.13	--	26.76	0.00	1,094.37	--	910	400	6,600	5,300	130	280	250	--	--	--	--	--
	5/14/08	1,121.13	--	31.23	0.00	1,089.90	--	370	160	2,800	1,800	43	58	95	--	--	--	--	--
	5/18-19/09	1,121.13	--	32.90	0.00	1,088.23	--	400	300	1,700	1,700	33	22	34	--	--	--	--	--
	5/18-19/09 (D)	1,121.13	--	--	--	--	--	720	650	1,800	1,700	35	25	40	--	--	--	--	--
	5/18-20/10	1,121.13	--	32.46	0.00	1,088.67	--	400	100	2,500	1,300	35	27	26	--	--	--	--	--
	5/5/11	1,121.13	--	30.83	0.00	1,090.30	--	800	1,700	3,600	1,600	48	82	73	--	--	--	--	--
	5/22/12	1,121.13	--	31.65	0.00	1,089.48	--	690	2,200	2,000	1,300	33	32	27	--	--	--	--	--
	5/14/13	1,121.13	--	31.12	0.00	1,090.01	--	54	<67	2,000	1,400	37	36	39	--	--	--	--	--
	5/5/14	1,121.13	--	32.79	0.00	1,088.34	--	54	190	890	650	11	<0.5	6.9	--	--	--	--	--
	6/18/15	1,121.13	--	30.08	0.00	1,091.05	--	55/770	<67/420	2,400	1,100	24	15	20	--	--	--	--	--
	9/21/15	1,121.13	--	28.66	0.00	1,092.47	--	120/990	170/600	3,000	1,100	31	16	24	--	--	--	--	--
	12/9/15	1,121.13	--	28.55	0.00	1,092.58	--	140/950	--/910	4,500	1,700	51	39	56	--	--	--	--	--
	3/14/16	1,121.13	24.38	25.61	1.23	1,096.50	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	6/22/16	1,121.13	23.59	30.19	6.60	1,096.22	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	9/11/16	1,121.13	21.69	36.55	14.86	1,096.47	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	3/19/17	1,121.13	20.85	34.81	13.96	1,097.49	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	6/19/17	1,121.13	19.59	34.69	15.10	1,098.52	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	10/16/17	1,121.13	19.42	34.71	15.29	1,098.65	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	12/3/17	1,121.13	22.12	24.65	2.53	1,098.50	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-22	3/6/03	1,120.21	31.40	31.41	0.01	1,088.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,120.21	31.55	32.05	0.50	1,088.56	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/14/03	1,120.21	31.94	32.90	0.96	1,088.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,120.21	31.99	32.60	0.61	1,088.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,120.21	31.80	33.20	1.40	1,088.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,120.21	31.72	33.30	1.58	1,088.17	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	8/8/03	1,120.21	32.14	32.82	0.68	1,087.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,120.21	32.87	33.46	0.59	1,087.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,120.21	30.54	32.03	1.49	1,089.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,120.21	31.15	33.00	1.85	1,088.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,120.21	31.20	32.11	0.91	1,088.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,120.21	31.32	32.19	0.87	1,088.72	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	11/6/03	1,120.21	31.40	32.05	0.65	1,088.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,120.21	31.60	32.02	0.04	1,088.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,120.21	31.91	32.52	0.61	1,088.18	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	2/18/04	1,120.21	32.01	32.57	0.56	1,088.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,120.21	32.24	32.87	0.63	1,087.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,120.21	32.17	32.73	0.56	1,087.93	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/11/04	1,120.21	32.53	33.04	0.51	1,087.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,120.21	32.50	33.00	0.50	1,087.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,120.21	31.77	32.23	0.46	1,088.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,120.21	31.44	31.84	0.40	1,088.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,120.21	32.35	32.44	0.09	1,087.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04 ⁹	1,120.21	--	31.12	0.00	1,089.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04	1,120.21	31.15	31.16	0.01	1,089.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05	1,120.21	32.26	32.27	0.01	1,087.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05	1,120.21	32.55	32.60	0.05	1,087.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,120.21	33.32	33.72	0.40	1,086.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2-5/05	1,120.21	33.62	34.12	0.50	1,086.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05	1,120.21	33.14	33.28	0.14	1,087.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,120.21	32.16	32.35	0.19	1,088.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05	1,120.21	31.37	31.56	0.19	1,088.80	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/05	1,120.21	31.19	31.22	0.03	1,089.01	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/18/06	1,120.21	31.62	31.68	0.06	1,088.58	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/27/06 ⁶	1,120.21	--	30.40	0.00	1,089.81	--	--	--	--	--	--	--	--	--	--	--	--	--	
3/13/06 ⁶	1,120.21	--	30.63	0.00	1,089.58	--	--	--	--	--	--	--	--	--	--	--	--	--	
4/19/06 ⁶	1,120.21	--	30.97	0.00	1,089.24	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/22/06 ⁶	1,120.21	--	30.74	0.00	1,089.47	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/2/06 ⁶	1,120.21	--	28.14	0.00	1,092.07	--	--	--	--	--	--	--	--	--	--	--	--	--	
12/5/06	1,120.21	--	27.47	0.00	1,092.74	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/22/07	1,120.21	--	26.70	0.00	1,093.51	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/19/07	1,120.21	--	25.61	0.00	1,094.60	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/5/07	1,120.21	--	26.78	0.00	1,093.43	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/12/08	1,120.21	--	29.18	0.00	1,091.03	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/13/08	1,120.21	--	30.59	0.00	1,089.62	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-22 (cont.)	10/28/08	1,120.21	--	28.14	0.00	1,092.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3-4/09	1,120.21	20.96	20.97	0.01	1,099.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,120.21	32.01	32.12	0.11	1,088.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,120.21	31.73	31.83	0.10	1,088.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,120.21	31.42	31.54	0.12	1,088.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,120.21	31.00	31.13	0.13	1,089.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,120.21	30.43	30.51	0.08	1,089.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,120.21	30.32	30.40	0.08	1,089.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,120.21	30.59	30.65	0.06	1,089.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,120.21	--	30.95	0.00	1,089.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,120.21	31.51	31.54	0.03	1,088.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10	1,120.21	31.63	31.68	0.05	1,088.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10	1,120.21	31.26	31.32	0.06	1,088.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,120.21	29.65	29.73	0.08	1,090.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,120.21	27.70	27.72	0.02	1,092.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,120.21	--	27.02	0.00	1,093.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11	1,120.21	--	28.14	0.00	1,092.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,120.21	--	29.43	0.00	1,090.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,120.21	--	27.27	0.00	1,092.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,120.21	32.15	32.20	0.05	1,088.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,120.21	--	22.15	0.00	1,098.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,120.21	29.35	29.40	0.05	1,090.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,120.21	29.75	29.95	0.20	1,090.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12	1,120.21	27.65	27.70	0.05	1,092.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/12	1,120.21	26.86	26.88	0.02	1,093.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,120.21	--	28.42	0.00	1,091.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,120.21	--	28.51	0.00	1,091.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,120.21	29.10	29.12	0.02	1,091.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,120.21	--	28.89	0.00	1,091.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19/14	1,120.21	31.48	31.51	0.03	1,088.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/14	1,120.21	31.57	31.59	0.02	1,088.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,120.21	29.74	29.77	0.03	1,090.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,120.21	29.74	29.76	0.02	1,090.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/14	1,120.21	--	27.11	0.00	1,093.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/15	1,120.21	30.91	30.93	0.02	1,089.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/15	1,120.21	29.63	29.65	0.02	1,090.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,120.21	27.31	27.36	0.05	1,092.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,120.21	--	27.47	0.00	1,092.74	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,120.21	--	23.80	0.00	1,096.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,120.21	--	23.83	0.00	1,096.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,120.21	--	22.62	0.00	1,097.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/17	1,120.21	--	22.32	0.00	1,097.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,120.21	--	20.39	0.00	1,099.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,120.21	--	21.16	0.00	1,099.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,120.21	--	22.29	0.00	1,097.92	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-23	3/6/03	1,118.69	--	34.42	0.00	1,084.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,118.69	--	35.15	0.00	1,083.54	--	<250	270	<50	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--
	7/1/03	1,118.69	--	33.26	0.00	1,085.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,118.69	--	32.45	0.00	1,086.24	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	10/24/03	1,118.69	--	31.18	0.00	1,087.51	--	<76	<94	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	1/14/04	1,118.69	--	33.50	0.00	1,085.19	--	<400	<500	<50	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--
	4/14/04	1,118.69	--	35.56	0.00	1,083.13	--	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--
	7/13/04	1,118.69	--	32.05	0.00	1,086.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,118.69	--	30.27	0.00	1,088.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,118.69	--	34.08	0.00	1,084.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/4/05	1,118.69	--	35.16	0.00	1,083.53	--	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	7/13/05	1,118.69	--	30.63	0.00	1,088.06	--	<82	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	10/26/05	1,118.69	--	28.72	0.00	1,089.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/06	1,118.69	--	32.18	0.00	1,086.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,118.69	--	22.65	0.00	1,096.04	--	<87	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/24/07	1,118.69	--	21.94	0.00	1,096.75	--	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	11/6/07	1,118.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,118.69	--	34.21	0.00	1,084.48	--	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/18-19/09	1,118.69	--	34.52	0.00	1,084.17	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/18-20/10	1,118.69	--	32.35	0.00	1,086.34	--	43	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/11	1,118.69	--	32.75	0.00	1,085.94	--	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/12	1,118.69	--	31.80	0.00	1,086.89	--	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/15/13	1,118.69	--	31.14	0.00	1,087.55	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/14	1,118.69	--	33.61	0.00	1,085.08	--	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/18/15	1,118.69	--	29.20	0.00	1,089.49	--	<30/<30	<71/<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/21/15	1,118.69	--	27.50	0.00	1,091.19	--	85/140	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
12/9/15	1,118.69	--	29.13	0.00	1,089.56	--	<29/<29	<67/<67	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
3/14-15/16	1,118.69	--	23.68	0.00	1,095.01	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
6/22/16	1,118.69	--	23.65	0.00	1,095.04	--	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
9/11-12/16	1,118.69	--	22.30	0.00	1,096.39	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0094	<0.5	--	--	
3/19/17	1,118.69	--	24.75	0.00	1,093.94	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.2	8.1	
6/19/17	1,118.69	--	20.73	0.00	1,097.96	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0	
10/16/17	1,118.69	--	22.10	0.00	1,096.59	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	21.4	44.8	
12/3/17	1,118.69	--	24.11	0.00	1,094.58	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	<6.0	23.9	
MW-24	3/5/03	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/03	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPL ¹ (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-24 (cont.)																			
	5/2/05	1,120.61	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,120.54	--	53.65	0.00	1,066.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,120.54	--	33.12	0.00	1,087.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,120.54	--	53.32	0.00	1,067.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,120.54	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,120.54	--	53.20	0.00	1,067.34	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-25																			
	3/6/03	1,121.43	40.78	42.60	1.82	1,080.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/4/03	1,121.43	40.55	47.25	6.70	1,079.54	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/14/03	1,121.43	40.24	49.10	8.86	1,079.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/03	1,121.43	40.26	49.06	8.80	1,079.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/26/03	1,121.43	40.16	49.21	9.05	1,079.46	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,121.43	39.96	49.23	9.27	1,079.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,121.43	39.99	49.25	9.26	1,079.59	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	8/8/03	1,121.43	40.12	49.22	9.10	1,079.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/03	1,121.43	41.74	50.50	8.76	1,077.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/5/03	1,121.43	40.00	47.92	7.92	1,079.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,121.43	40.68	46.50	5.82	1,079.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,121.43	41.22	43.95	2.73	1,079.66	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	11/6/03	1,121.43	41.80	42.36	0.56	1,079.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	1,121.43	41.75	42.02	0.27	1,079.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,121.43	42.19	42.70	0.51	1,079.14	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	2/18/04	1,121.43	41.98	42.40	0.42	1,079.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,121.43	42.41	42.94	0.53	1,078.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,121.43	42.30	42.75	0.45	1,079.04	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/11/04	1,121.43	42.46	42.83	0.37	1,078.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,121.43	42.85	43.30	0.45	1,078.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,121.43	42.48	42.80	0.32	1,078.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,121.43	41.99	42.33	0.34	1,079.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,121.43	41.86	41.96	0.10	1,079.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04 ⁶	1,121.43	41.80	41.88	0.08	1,079.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04	1,121.43	41.65	41.79	0.14	1,079.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05	1,121.43	42.52	42.90	0.38	1,078.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05	1,121.43	42.52	42.71	0.19	1,078.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,121.43	42.96	43.12	0.16	1,078.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	1,121.43	43.33	43.52	0.19	1,078.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05	1,121.43	42.86	42.91	0.05	1,078.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,121.43	--	42.51	0.00	1,078.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05	1,121.43	41.63	41.83	0.20	1,079.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,121.43	41.46	41.54	0.08	1,079.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06	1,121.43	41.38	41.50	0.12	1,080.03	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-25 (cont.)	2/27/06	1,121.43	41.00	43.90	2.90	1,079.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06	1,121.43	40.85	40.92	0.07	1,080.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,121.43	41.21	41.42	0.21	1,080.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06 ⁶	1,121.43	--	40.84	0.00	1,080.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06 ⁶	1,121.43	--	39.10	0.00	1,082.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/06	1,121.43	--	39.36	0.00	1,082.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,121.43	--	38.48	0.00	1,082.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/19/07	1,121.43	37.59	37.93	0.34	1,083.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/07	1,121.43	37.44	38.02	0.58	1,083.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/08	1,121.43	39.46	39.89	0.43	1,081.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/08	1,121.43	40.91	41.30	0.39	1,080.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/08	1,121.43	39.48	39.53	0.05	1,081.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/09	1,121.43	40.70	40.84	0.14	1,080.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/09	1,121.43	42.57	42.58	0.01	1,078.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/09	1,121.43	--	41.03	0.00	1,080.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/09	1,121.43	--	41.91	0.00	1,079.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,121.43	--	41.50	0.00	1,079.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,121.43	--	40.85	0.00	1,080.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,121.43	--	40.45	0.00	1,080.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,121.43	--	40.59	0.00	1,080.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,121.43	--	40.63	0.00	1,080.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,121.43	--	41.39	0.00	1,080.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/20/10	1,121.43	41.28	41.31	0.03	1,080.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/10	1,121.43	40.03	40.05	0.02	1,081.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,121.43	38.32	38.39	0.07	1,083.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/10	1,121.43	37.00	37.05	0.05	1,084.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,121.43	36.80	36.90	0.10	1,084.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/11/11	1,121.43	38.16	38.19	0.03	1,083.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11	1,121.43	38.21	38.24	0.03	1,083.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/11	1,121.43	39.61	40.22	0.61	1,081.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/11	1,121.43	39.62	35.64	0.02	1,085.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/11	1,121.43	38.80	38.84	0.04	1,082.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,121.43	37.90	38.00	0.10	1,083.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/11	1,121.43	37.45	37.50	0.05	1,083.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	1,121.43	36.65	36.78	0.13	1,084.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,121.43	37.05	37.15	0.10	1,084.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/11	1,121.43	--	37.55	0.00	1,083.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/28/12	1,121.43	--	37.68	0.00	1,083.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,121.43	39.95	40.10	0.15	1,081.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,121.43	40.55	40.60	0.05	1,080.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/21/12	1,121.43	--	36.90	0.00	1,084.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/12	1,121.43	40.40	40.60	0.20	1,080.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/12 ⁶	1,121.43	41.73	41.96	0.23	1,079.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/12 ⁶	1,121.43	39.36	39.42	0.06	1,082.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/12 ⁶	1,121.43	38.13	38.20	0.07	1,083.29	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-25 (cont.)																			
	11/30/12	1,121.43	37.18	37.24	0.06	1,084.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/13	1,121.43	37.03	37.21	0.18	1,084.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,121.43	--	38.36	0.00	1,083.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,121.43	--	38.42	0.00	1,083.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,121.43	--	39.72	0.00	1,081.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,121.43	--	39.82	0.00	1,081.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/13	1,121.43	--	41.07	0.00	1,080.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,121.43	--	41.22	0.00	1,080.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,121.43	37.77	37.81	0.04	1,083.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,121.43	41.30	41.33	0.03	1,080.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,121.43	36.83	36.89	0.06	1,084.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,121.43	--	38.86	0.00	1,082.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,121.43	--	39.78	0.00	1,081.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,121.43	--	39.11	0.00	1,082.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/18/14	1,121.43	--	45.11	0.00	1,076.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/14	1,121.43	--	36.83	0.00	1,084.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,121.43	--	40.43	0.00	1,081.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/14	1,121.43	41.02	41.05	0.03	1,080.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/14	1,121.43	--	41.88	0.00	1,079.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,121.43	39.36	39.40	0.04	1,082.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/14	1,121.43	--	41.31	0.00	1,080.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,121.43	41.51	41.53	0.02	1,079.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/14	1,121.43	41.63	41.65	0.02	1,079.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/23/14	1,121.43	--	37.60	0.00	1,083.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,121.43	INACCESSIBLE- FROZEN SHUT			--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/15	1,121.43	--	37.77	0.00	1,083.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,121.43	41.67	41.69	0.02	1,079.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,121.43	35.64	35.70	0.06	1,085.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,121.43	35.51	35.63	0.12	1,085.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,121.43	31.11	31.35	0.24	1,090.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,121.43	31.28	31.54	0.26	1,090.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,121.43	29.88	30.10	0.22	1,091.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/17	1,121.43	29.17	29.33	0.16	1,092.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,121.43	27.93	27.94	0.01	1,093.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,121.43	27.75	27.78	0.03	1,093.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,121.43	28.89	28.91	0.02	1,092.54	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26																			
	3/6/03	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/03	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/04	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-26 (cont.)																			
	10/13/04	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,119.58	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,119.58	--	49.10	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-27																			
	3/6/03	1,125.40	--	32.11	0.00	1,093.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,125.40	--	32.36	0.00	1,093.04	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	7/1/03	1,125.40	--	33.06	0.00	1,092.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,125.40	--	33.05	0.00	1,092.35	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	10/24/03	1,125.40	--	32.95	0.00	1,092.45	--	<77	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	1/14/04	1,125.40	--	33.50	0.00	1,091.90	--	250	<95	<50	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--
	4/13/04	1,125.40	--	33.73	0.00	1,091.67	--	97	<94	<50	1.9	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--
	7/12/04	1,125.40	--	33.78	0.00	1,091.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,125.40	--	31.78	0.00	1,093.62	--	--	--	--	--	--	--	--	--	--	--	--	<0.99
	1/12/05	1,125.40	--	32.66	0.00	1,092.74	--	--	--	--	--	--	--	--	--	--	--	--	<0.99
	5/2/05	1,125.40	--	33.78	0.00	1,091.62	--	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	7/13/05	1,125.40	--	33.45	0.00	1,091.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/27/05	1,125.40	--	32.81	0.00	1,092.59	--	<84	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	<0.87	--
	3/14/06	1,125.40	--	31.90	0.00	1,093.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,125.40	--	31.97	0.00	1,093.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,125.40	--	30.19	0.00	1,095.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,125.40	--	30.70	0.00	1,094.70	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,125.40	--	--	--	--	NOT SAMPLED			--	--	--	--	--	--	--	--	--	--
	5/13/08	1,125.40	--	32.50	0.00	1,092.90	NOT SAMPLED			--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,125.40	33.13	33.80	0.67	1,092.14	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL			--	--	--	--	--	--	--	--	--	--
	7/30/09	1,125.40	32.88	33.39	0.51	1,092.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/09	1,125.40	32.50	32.94	0.44	1,092.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/09	1,125.40	32.02	32.25	0.23	1,093.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/09	1,125.40	31.88	32.21	0.33	1,093.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/09	1,125.40	32.12	32.73	0.61	1,093.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/22/10	1,125.40	32.36	32.82	0.46	1,092.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/10	1,125.40	32.60	33.15	0.55	1,092.69	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/10	1,125.40	32.66	33.17	0.51	1,092.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-20/10	1,125.40	32.42	32.61	0.19	1,092.94	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL			--	--	--	--	--	--	--	--	--	--
	7/6/10	1,125.40	31.32	31.38	0.06	1,094.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/10	1,125.40	30.50	30.52	0.02	1,094.90	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	1,125.40	--	29.60	0.00	1,095.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/11	1,125.40	--	30.28	0.00	1,095.12	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-27 (cont.)																			
	5/5/11	1,125.40	31.02	31.08	0.06	1,094.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/15/11	1,125.40	--	30.28	0.00	1,095.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/11	1,125.40	--	29.65	0.00	1,095.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/12	1,125.40	--	31.20	0.00	1,094.20	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/20/12	1,125.40	--	31.25	0.00	1,094.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/12	1,125.40	--	31.50	0.00	1,093.90	--	97,000	3,200	1,200	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	8/24/12	1,125.40	--	30.48	0.00	1,094.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/12	1,125.40	--	29.90	0.00	1,095.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19-20/13	1,125.40	--	30.68	0.00	1,094.72	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,125.40	--	29.97	0.00	1,095.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/14/13	1,125.40	--	31.04	0.00	1,094.36	--	130,000	<6,800	460	0.6	<0.5	<0.5	<1.5	--	--	--	--	--
	12/28/13	1,125.40	--	32.08	0.00	1,093.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/19/14	1,125.40	--	30.22	0.00	1,095.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/14	1,125.40	--	31.13	0.00	1,094.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,125.40	--	31.53	0.00	1,093.87	--	2,600	310	85,000	190	2,900	1,300	12,000	--	--	--	--	--
	8/4/14	1,125.40	--	32.53	0.00	1,092.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/14	1,125.40	--	29.73	0.00	1,095.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/15	1,125.40	--	30.23	0.00	1,095.17	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/15	1,125.40	--	30.20	0.00	1,095.20	--	57,000/90,000	<6,600/<6,600	550	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/21/15	1,125.40	--	29.52	0.00	1,095.88	--	89,000/92,000	<6,600/<6,600	400	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	12/9/15	1,125.40	--	29.30	0.00	1,096.10	--	5,000/6,600	--/5,500	680	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	3/14/16	1,125.40	23.44	35.17	11.73	1,099.61	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL												
	6/22/16	1,125.40	25.11	31.06	5.95	1,099.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,125.40	23.82	33.74	9.92	1,099.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/19/17	1,125.40	22.85	33.66	10.81	1,100.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,125.40	21.89	33.12	11.23	1,101.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,125.40	21.71	33.75	12.04	1,101.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,125.40	22.88	28.64	5.76	1,101.37	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-28																			
	3/6/03	1,124.71	--	40.65	0.00	1,084.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,124.71	--	30.55	0.00	1,094.16	--	330	<250	11,000	<10	8.5	1.4	780	<50/<2'	--	<50/<2'	1.7	--
	7/1/03	1,124.71	--	31.66	0.00	1,093.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,124.71	--	31.70	0.00	1,093.01	--	<250	<250	3,800	<10	5.0	0.8	260	<50	--	<50	2.2	--
	7/15/03 (D)	1,124.71	--	--	0.00	1,124.71	--	<250	<250	4,300	<10	4.4	1.0	280	--	--	--	--	--
	10/24/03	1,124.71	--	30.35	0.00	1,094.36	--	220	<95	2,400	<5.0	2.8	0.6	170	<20	--	<20	<1.2	--
	1/14/04	1,124.71	--	33.21	0.00	1,091.50	--	280	<95	6,700	<5.0	1.6	0.6	480	<20	--	<20	<1.2	--
	4/14/04	1,124.71	--	29.82	0.00	1,094.89	--	<78	<98	700	<2.0	0.7	<0.5	49	<20	--	<20	<1.2	--
	7/13/04	1,124.71	--	29.82	0.00	1,094.89	--	130	<100	840	<2.0	0.6	<0.5	69	<10	--	<10	<0.99	--
	10/13/04	1,124.71	--	28.72	0.00	1,095.99	--	<82	<100	<50	1.4	<0.5	<0.5	2.0	<2.5	--	<2.5	<0.99	--
	1/12/05	1,124.71	--	29.99	0.00	1,094.72	--	<78	<97	730	2.5	1	<0.5	50.0	--	--	--	<0.99	--
	5/2/05	1,124.71	--	31.59	0.00	1,093.12	--	250	<100	560	<2.0	0.6	<0.5	26	16	--	16	<0.87	--
	7/13/05	1,124.71	--	31.31	0.00	1,093.40	--	130	<110	140	<0.5	<0.5	<0.5	8.5	3.7	--	3.7	<0.87	--
	10/27/05	1,124.71	--	30.08	0.00	1,094.63	--	310	<97	340	<2.0	<2.0	<0.5	17	--	--	--	<0.87	--
	3/14/06	1,124.71	--	27.61	0.00	1,097.10	--	<81	<100	<48	1.7	<0.5	0.7	2.1	--	--	--	--	--
	5/22/06	1,124.71	--	28.31	0.00	1,096.40	--	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead			
MW-28 (cont.)																						
	10/3/06	1,124.71	--	27.34	0.00	1,097.37	--	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	5/22/07	1,124.71	--	27.58	0.00	1,097.13	--	<76	<95	<50	0.7	<0.5	<0.5	<1.5	--	--	--	--	--			
	11/6/07	1,124.71	--	26.70	0.00	1,098.01	--	210	<100	<50	0.9	<0.5	0.8	2.0	--	--	--	--	--			
	5/14/08	1,124.71	--	28.99	0.00	1,095.72	--	<85	<110	140	<5.0	1.2	0.5	<5.0	--	--	--	--	--			
	5/18-19/09	1,124.71	--	31.13	0.00	1,093.58	--	35	<67	110	<0.5	<0.5	<0.5	2.4	--	--	--	--	--			
	5/18-20/10	1,124.71	--	29.58	0.00	1,095.13	--	46	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	5/5/11	1,124.71	--	28.43	0.00	1,096.28	--	<32	<74	<50	1.7	<0.5	<0.5	<1.5	--	--	--	--	--			
	5/22/12	1,124.71	--	30.05	0.00	1,094.66	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	5/15/13	1,124.71	--	28.56	0.00	1,096.15	--	76	170	180	7.1	<2.0	0.5	<1.5	--	--	--	--	--			
	5/7/14	1,124.71	--	29.63	0.00	1,095.08	--	580	<69	3,300	9.4	130	55	380	--	--	--	--	--			
	6/18/15	1,124.71	--	26.41	0.00	1,098.30	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	9/21/15	1,124.71	--	25.73	0.00	1,098.98	--	73/68	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	12/9/15	1,124.71	--	24.72	0.00	1,099.99	--	<28/<28	--/<66	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--			
	3/14-15/16	1,124.71	--	19.60	0.00	1,105.11	--	<28/<28	<66/90	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	6/22/16	1,124.71	--	20.34	0.00	1,104.37	--	<29/43	<69/<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	9/11-12/16	1,124.71	--	20.15	0.00	1,104.56	--	<28/37	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0093	<0.5	--	--			
	3/17/19	1,124.71	--	19.81	0.00	1,104.90	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.2	7.1			
	6/19/17	1,124.71	--	19.19	0.00	1,105.52	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	15.2			
	10/16/17	1,124.71	--	19.18	0.00	1,105.53	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	6.8	73.4			
	12/3/17	1,124.71	--	18.87	0.00	1,105.84	--	<29/30	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	15.2			
MW-29																						
	3/6/03	1,124.74	--	28.40	0.00	1,096.34	--	--	--	--	--	--	--	--	--	--	--	--	--			
	4/1-4/03	1,124.74	--	27.40	0.00	1,097.34	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	7/1/03	1,124.74	--	28.22	0.00	1,096.52	--	--	--	--	--	--	--	--	--	--	--	--	--			
	7/15/03	1,124.74	--	28.26	0.00	1,096.48	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	10/24/03	1,124.74	--	27.69	0.00	1,097.05	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--			
	1/13/04	1,124.74	--	27.58	0.00	1,097.16	--	<80	<100	<50	<0.2	<0.2	<0.2	<0.6	--	--	--	<1.2	--			
	4/13/04	1,124.74	--	28.10	0.00	1,096.64	--	DISCONTINUED FROM SAMPLING PROGRAM (IN MIDDLE OF STREET)										--	--	--	--	--
	10/13/04	1,124.74	--	26.54	0.00	1,098.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/12/05	1,124.74	--	27.70	0.00	1,097.04	--	--	--	--	--	--	--	--	--	--	--	--	--			
DISCONTINUED FROM SAMPLING PROGRAM DUE TO SAFETY CONCERNS (WELL LOCATED IN CENTER OF TRAFFIC LANE).																						
MW-30																						
	3/6/03	1,121.75	--	84.33	0.00	1,037.42	--	--	--	--	--	--	--	--	--	--	--	--	--			
	4/1-4/03	1,121.75	--	85.92	0.00	1,035.83	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	4/1-4/03 (D)	1,121.75	--	--	--	--	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	7/15/03	1,121.75	--	83.15	0.00	1,038.60	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--			
	10/24/03	1,121.75	--	75.74	0.00	1,046.01	--	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--			
	1/13/04	1,121.75	--	78.20	0.00	1,043.55	--	<76	<95	<50	<0.2	<0.2	<0.2	<0.6	<0.3	--	<0.3	<1.2	--			
	4/13/04	1,121.75	--	84.69	0.00	1,037.06	--	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--			
	5/11/04	1,121.75	--	85.80	0.00	1,035.95	--	--	--	--	--	--	--	--	--	--	--	--	--			
	6/15/04	1,121.75	--	85.46	0.00	1,036.29	--	--	--	--	--	--	--	--	--	--	--	--	--			
	7/13/04	1,121.75	--	82.90	0.00	1,038.85	--	<400	<500	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--			
	9/15/04	1,121.75	--	75.91	0.00	1,045.84	--	--	--	--	--	--	--	--	--	--	--	--	--			
	10/13/04	1,121.75	--	74.69	0.00	1,047.06	--	<80	<100	<50	0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--			
	11/17/04	1,121.75	--	76.53	0.00	1,045.22	--	--	--	--	--	--	--	--	--	--	--	--	--			
	1/12/05 (D)	1,121.75	--	79.95	0.00	1,041.80	--	<83	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	<0.99	--			
	1/12/05	1,121.75	--	79.95	0.00	1,041.80	--	<82	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	<0.99	--			
MW-30 (cont.)																						

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
	2/18/05	1,121.75	--	82.11	0.00	1,039.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05	1,121.75	--	83.73	0.00	1,038.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/3/05	1,121.75	--	84.06	0.00	1,037.69	--	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	6/2/05	1,121.75	--	82.34	0.00	1,039.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/05	1,121.75	--	77.00	0.00	1,044.75	--	<87	<110	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	9/14/05	1,121.75	--	74.30	0.00	1,047.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/27/05	1,121.75	--	75.28	0.00	1,046.47	--	<85	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	3/14/06	1,121.75	--	85.64	0.00	1,036.11	--	<86	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/06	1,121.75	--	90.21	0.00	1,031.54	--	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	10/3/06	1,121.75	--	74.98	0.00	1,046.77	--	<83	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/07	1,121.75	--	80.22	0.00	1,041.53	--	<81	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	11/6/07	1,121.75	--	72.33	0.00	1,049.42	--	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/15/08	1,121.75	--	89.49	0.00	1,032.26	--	<77	<96	50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	05/18-19/09	1,121.75	--	89.50	0.00	1,032.25	--	35	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	05/18-20/10	1,121.75	--	73.14	0.00	1,048.61	--	62	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	8/23/10	1,121.75	--	64.92	0.00	1,056.83	--	1,100	1,200	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/11	1,121.75	--	86.67	0.00	1,035.08	--	<32	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/12	1,121.75	--	76.10	0.00	1,045.65	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/14/13	1,121.75	--	75.39	0.00	1,046.36	--	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/6/14	1,121.75	--	76.69	0.00	1,045.06	--	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/17/15	1,121.75	--	70.36	0.00	1,051.39	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/21/15	1,121.75	--	65.28	0.00	1,056.47	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	12/9/15	1,121.75	--	68.33	0.00	1,053.42	--	<28/<28	--/<66	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	3/14/16	1,121.75	--	73.75	0.00	1,048.00	--	<28/56	<66/ 1,400	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/22/16	1,121.75	--	68.34	0.00	1,053.41	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	09/11-12/16	1,121.75	--	64.53	0.00	1,057.22	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	--	--
	3/19/17	1,121.75	--	74.04	0.00	1,047.71	--	<29/<29	96/160	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0099	<0.5	<6.2	16.4
	6/19/17	1,121.75	--	71.96	0.00	1,049.79	--	<28/30	<66/68	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0
	10/16/17	1,121.75	--	65.59	0.00	1,056.16	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0
	12/3/17	1,121.75	--	68.25	0.00	1,053.50	--	<29/150	<67/200	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0
MW-31																			
	3/7/03	1,120.36	--	83.10	0.00	1,037.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1-4/03	1,120.36	--	84.68	0.00	1,035.68	--	<250	1,100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	7/15/03	1,120.36	--	81.58	0.00	1,038.78	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	10/24/03	1,120.36	--	74.25	0.00	1,046.11	--	690	150	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--
	1/13/04	1,120.36	--	76.70	0.00	1,043.66	--	<100	<130	<50	<0.2	<0.2	<0.2	<0.6	<0.3	--	<0.3	<1.2	--
	1/13/04 (D)	1,120.36	--	76.70	0.00	1,043.66	--	<94	<120	<50	<0.2	<0.2	<0.2	<0.6	<0.3	--	<0.3	<1.2	--
	4/13/04	1,120.36	--	83.45	0.00	1,036.91	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--
	4/13/04 (D)	1,120.36	--	83.45	0.00	1,036.91	--	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<1.2	--
	5/11/04	1,120.36	--	84.53	0.00	1,035.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,120.36	--	84.15	0.00	1,036.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/04	1,120.36	--	81.61	0.00	1,038.75	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--
	9/15/04	1,120.36	--	74.44	0.00	1,045.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,120.36	--	73.16	0.00	1,047.20	--	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-31 (cont.)																			
	11/17/04	1,120.36	--	75.05	0.00	1,045.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,120.36	--	78.60	0.00	1,041.76	--	<78	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	<0.99	--
	2/18/05	1,120.36	--	WELL ICED OVER - UNABLE TO OPEN															
	3/29/05	1,120.36	--	82.44	0.00	1,037.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/3/05	1,120.36	--	82.77	0.00	1,037.59	--	<83	<100	<48	<0.5	0.5	0.5	<1.5	<2.5	--	<2.5	<0.87	--
	6/2/05	1,120.36	--	80.99	0.00	1,039.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,120.36	--	75.55	0.00	1,044.81	--	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	9/14/05	1,120.36	--	72.76	0.00	1,047.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/27/05	1,120.36	--	73.88	0.00	1,046.48	--	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--
	3/14/06	1,120.36	--	84.48	0.00	1,035.88	--	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/06	1,120.36	--	89.00	0.00	1,031.36	--	<86	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	10/2/06	1,120.36	--	73.46	0.00	1,046.90	--	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/07	1,120.36	--	78.93	0.00	1,041.43	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	11/6/07	1,120.36	--	70.82	0.00	1,049.54	--	<84	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/16/08	1,120.36	--	88.29	0.00	1,032.07	--	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/18-19/09	1,120.36	--	88.35	0.00	1,032.01	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/18-20/10	1,120.36	--	71.85	0.00	1,048.51	--	110	180	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	8/23/10	1,120.36	--	63.40	0.00	1,056.96	--	<610	4,900	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/11	1,120.36	--	85.33	0.00	1,035.03	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/12	1,120.36	--	74.75	0.00	1,045.61	--	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/14/13	1,120.36	--	74.02	0.00	1,046.34	--	69	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/14	1,120.36	--	75.30	0.00	1,045.06	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/17/15	1,120.36	--	68.79	0.00	1,051.57	--	<28/41	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/21/15	1,120.36	--	63.70	0.00	1,056.66	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	12/9/15	1,120.36	--	66.81	0.00	1,053.55	--	<28/32	--/66	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	3/14/16	1,120.36	--	72.25	0.00	1,048.11	--	<28/<28	<65/120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/22/16	1,120.36	--	66.73	0.00	1,053.63	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	09/11-12/16	1,120.36	--	62.90	0.00	1,057.46	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	--	--
	3/19/17	1,120.36	--	72.62	0.00	1,047.74	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.2	<6.2
	6/19/17	1,120.36	--	69.43	0.00	1,050.93	--	<29/<29	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	<6.0	<6.0
	10/16/17	1,120.36	--	63.98	0.00	1,056.38	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0
	12/3/17	1,120.36	--	66.70	0.00	1,053.66	--	<28/150	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0095	<0.5	<6.0	<6.0
MW-32																			
	6/25/03	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,121.38	--	41.91	0.00	1,079.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,121.38	--	41.94	0.00	1,079.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,121.38	--	41.95	0.00	1,079.43	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-32 (cont.)																			
	10/2/06	1,121.38	--	42.02	0.00	1,079.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,121.38	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,121.38	--	41.93	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-33																			
	6/30/03	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,122.35	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-34																			
	6/26/03	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	1,120.85	--	27.67	0.00	1,093.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05	1,120.85	--	27.73	0.00	1,093.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,120.85	--	27.94	0.00	1,092.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,120.85	--	27.73	0.00	1,093.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,120.85	--	27.79	0.00	1,093.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,120.85	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,120.85	--	27.68	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-35																			
	6/27/03	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/14/04	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-35 (cont.)																			
	4/13/04	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/14/04	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/06	1,119.76	--	37.72	0.00	1,082.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/2/06	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/22/07	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/07	1,119.76	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18-19/09	1,119.76	--	37.75	0.00	-- ⁹	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																			
MW-36																			
	6/26/03	1,121.19	41.26	41.50	0.24	1,079.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/03	1,121.19	40.32	43.60	3.28	1,080.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/03	1,121.19	38.96	48.46	9.50	1,080.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/03	1,121.19	37.95	49.50	11.55	1,080.93	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	9/5/03	1,121.19	36.42	-- ⁸	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/03	1,121.19	38.05	47.05	9.00	1,081.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/4/03	1,121.19	39.65	41.30	1.65	1,081.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/03	1,121.19	40.11	40.94	0.83	1,080.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/6/03	1,121.19	39.86	40.41	0.55	1,081.22	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	11/25/03	1,121.19	39.77	40.19	0.42	1,081.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/04	1,121.19	40.52	41.25	0.73	1,080.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/04	1,121.19	40.56	41.06	0.50	1,080.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/16/04	1,121.19	40.86	41.45	0.59	1,080.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/04	1,121.19	40.80	41.19	0.39	1,080.31	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/11/04	1,121.19	40.98	41.27	0.29	1,080.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,121.19	41.28	41.68	0.40	1,079.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/04	1,121.19	40.76	40.93	0.17	1,080.40	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	1,121.19	40.20	40.27	0.07	1,080.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/04 ⁶	1,121.19	--	39.73	0.00	1,081.46	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	10/13/04 ⁶	1,121.19	--	39.66	0.00	1,081.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/04 ⁶	1,121.19	--	39.58	0.00	1,081.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/05 ⁶	1,121.19	--	39.66	0.00	1,081.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/05 ⁶	1,121.19	40.52	42.71	2.19	1,080.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/05 ⁶	1,121.19	41.34	41.59	0.25	1,079.80	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--	--	--	--	--
	5/2-5/05 ⁶	1,121.19	41.30	41.62	0.32	1,079.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/2/05 ⁶	1,121.19	41.11	41.12	0.01	1,080.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/05 ⁶	1,121.19	--	40.56	0.00	1,080.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/05 ⁶	1,121.19	39.57	39.58	0.01	1,081.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/05 ⁶	1,121.19	--	39.30	0.00	1,081.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18/06 ⁶	1,121.19	39.80	39.80	0.00	1,081.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/06 ⁶	1,121.19	--	38.61	0.00	1,082.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/06	1,121.19	39.07	39.07	0.00	1,082.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/19/06	1,121.19	39.59	39.59	0.00	1,081.60	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead		
MW-36 (cont.)																					
	5/22/06	1,121.19	--	39.23	0.00	1,081.96	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/2/06	1,121.19	36.72	36.76	0.04	1,084.46	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/5/06	1,121.19	36.31	36.70	0.39	1,084.80	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/22/07	1,121.19	--	35.71	0.00	1,085.48	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/19/07	1,121.19	--	34.14	0.00	1,087.05	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/5/07	1,121.19	35.06	36.13	1.07	1,085.92	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/12/08	1,121.19	37.14	38.76	1.62	1,083.73	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/13/08	1,121.19	39.01	39.83	0.82	1,082.02	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/28/08	1,121.19	37.49	37.96	0.47	1,083.61	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/3-4/09	1,121.19	38.59	39.09	0.50	1,082.50	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/18-19/09	1,121.19	40.73	41.46	0.73	1,080.31	--	--	--	--	--	--	--	--	--	--	--	--	--		
	6/29/09	1,121.19	40.53	41.03	0.50	1,080.56	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/30/09	1,121.19	40.10	40.46	0.36	1,081.02	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/28/09	1,121.19	39.60	39.83	0.23	1,081.54	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/2/09	1,121.19	38.81	38.87	0.06	1,082.37	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/10/09	1,121.19	--	38.60	0.00	1,082.59	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/15/09	1,121.19	--	38.85	0.00	1,082.34	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/22/10	1,121.19	--	38.97	0.00	1,082.22	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/5/10	1,121.19	39.78	40.10	0.32	1,081.35	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/12/10 ⁶	1,121.19	39.81	40.00	0.19	1,081.34	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/18-20/10	1,121.19	39.52	39.68	0.16	1,081.64	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/6/10	1,121.19	38.05	38.13	0.08	1,083.12	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/23/10	1,121.19	36.16	36.20	0.04	1,085.02	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/13/10	1,121.19	35.09	35.11	0.02	1,086.10	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/16/10	1,121.19	35.60	35.62	0.02	1,085.59	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/11/11	1,121.19	36.36	36.40	0.04	1,084.82	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/11/11	1,121.19	36.50	36.51	0.01	1,084.69	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/5/11	1,121.19	38.60	38.67	0.07	1,082.58	--	--	--	--	--	--	--	--	--	--	--	--	--		
	6/8/11	1,121.19	38.24	38.32	0.08	1,082.93	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/11/11 ⁶	1,121.19	36.96	37.00	0.04	1,084.22	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/15/11	1,121.19	INACCESSIBLE - CAR PARKED OVER WELL													--	--	--	--	--	--
	9/9/11	1,121.19	35.50	35.55	0.05	1,085.68	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/12/11	1,121.19	--	35.25	0.00	1,085.94	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/29/11	1,121.19	--	35.65	0.00	1,085.54	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/21/11	1,121.19	--	36.05	0.00	1,085.14	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/28/12	1,121.19	--	35.94	0.00	1,085.25	--	--	--	--	--	--	--	--	--	--	--	--	--		
	2/24/12	1,121.19	38.55	38.78	0.23	1,082.59	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/20/12	1,121.19	38.90	39.00	0.10	1,082.27	--	--	--	--	--	--	--	--	--	--	--	--	--		
	4/21/12	1,121.19	--	35.95	0.00	1,085.24	--	--	--	--	--	--	--	--	--	--	--	--	--		
	5/21/12	1,121.19	39.10	39.20	0.10	1,082.07	--	--	--	--	--	--	--	--	--	--	--	--	--		
	6/25/12	1,121.19	40.90	41.12	0.22	1,080.25	--	--	--	--	--	--	--	--	--	--	--	--	--		
	7/20/12	1,121.19	--	38.07	0.00	1,083.12	--	--	--	--	--	--	--	--	--	--	--	--	--		
	8/24/12	1,121.19	--	36.38	0.00	1,084.81	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/30/12	1,121.19	--	35.63	0.00	1,085.56	--	--	--	--	--	--	--	--	--	--	--	--	--		
	1/18/13	1,121.19	--	35.52	0.00	1,085.67	--	--	--	--	--	--	--	--	--	--	--	--	--		

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CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
MW-36 (cont.)																			
	2/19-20/13	1,121.19	--	36.36	0.00	1,084.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/13	1,121.19	--	36.32	0.00	1,084.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/13	1,121.19	37.10	37.12	0.02	1,084.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/13	1,121.19	37.18	37.23	0.05	1,084.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/29/13	1,121.19	--	41.11	0.00	1,080.08	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/13	1,121.19	--	41.31	0.00	1,079.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/13	1,121.19	--	36.20	0.00	1,084.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/13	1,121.19	--	41.39	0.00	1,079.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/26/13	1,121.19	35.66	35.68	0.02	1,085.53	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/13	1,121.19	--	35.40	0.00	1,085.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/27/14	1,121.19	--	35.92	0.00	1,085.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/14	1,121.19	--	35.22	0.00	1,085.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/18/14	1,121.19	--	37.19	0.00	1,084.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/15/14	1,121.19	--	35.80	0.00	1,085.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/14	1,121.19	39.18	39.24	0.06	1,082.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/14	1,121.19	38.32	38.40	0.08	1,082.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/14	1,121.19	40.88	40.93	0.05	1,080.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/14	1,121.19	--	37.75	0.00	1,083.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/14	1,121.19	--	41.39	0.00	1,079.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/14	1,121.19	--	41.43	0.00	1,079.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/14	1,121.19	--	41.56	0.00	1,079.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/23/14	1,121.19	--	36.12	0.00	1,085.07	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/18-19/15	1,121.19	--	40.56	0.00	1,080.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/15	1,121.19	--	35.87	0.00	1,085.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/15	1,121.19	40.39	40.41	0.02	1,080.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/15	1,121.19	--	34.65	0.00	1,086.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/15	1,121.19	--	34.28	0.00	1,086.91	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/16	1,121.19	--	32.62	0.00	1,088.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/16	1,121.19	31.60	31.66	0.06	1,089.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/11/16	1,121.19	--	29.97	0.00	1,091.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/17	1,121.19	--	29.86	0.00	1,091.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/17	1,121.19	--	28.62	0.00	1,092.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,121.19	--	27.43	0.00	1,093.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/17	1,121.19	--	27.84	0.00	1,093.35	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37																			
	5/11/04	1,122.30	--	87.16	0.00	1,035.14	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/04	1,122.30	--	86.93	0.00	1,035.37	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/04	1,122.30	--	84.60	0.00	1,037.70	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--
	7/13/04 (D)	1,122.30	--	84.60	0.00	1,037.70	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--
	9/15/04	1,122.30	--	77.34	0.00	1,044.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/04	1,122.30	--	76.04	0.00	1,046.26	--	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--
	10/13/04 (D)	1,122.30	--	76.04	0.00	1,046.26	--	<81	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.99	--
	11/17/04	1,122.30	--	77.79	0.00	1,044.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/12/05	1,122.30	--	81.23	0.00	1,041.07	--	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	<0.99	--
	2/29/05	1,122.30	--	83.26	0.00	1,039.04	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	
MW-37 (cont.)																				
	3/29/05	1,122.30	--	85.04	0.00	1,037.26	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/3/05	1,122.30	--	85.51	0.00	1,036.79	--	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--	
	6/2/05	1,122.30	--	83.90	0.00	1,038.40	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/14/05	1,122.30	--	78.44	0.00	1,043.86	--	<89	<110	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--	
	9/14/05	1,122.30	--	75.66	0.00	1,046.64	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/05	1,122.30	--	76.58	0.00	1,045.72	--	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	<0.87	--	
	3/14/06	1,122.30	--	86.95	0.00	1,035.35	--	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/06	1,122.30	--	91.68	0.00	1,030.62	--	220	190	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/06 (D)	1,122.30	--	91.68	0.00	1,030.62	--	250	<190	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	10/2/06	1,122.30	--	76.28	0.00	1,046.02	--	89	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	10/2/06 (D)	1,122.30	--	76.28	0.00	1,046.02	--	120	>100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/07	1,122.30	--	81.53	0.00	1,040.77	--	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/07 (D)	1,122.30	--	81.53	0.00	1,040.77	--	<84	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	11/6/07	1,122.30	--	73.50	0.00	1,048.80	--	<85	<110	<50	<0.5	<0.5	<0.5	<1.6	--	--	--	--	--	
	11/6/07 (D)	1,122.30	--	73.50	0.00	1,048.80	--	<84	<110	<50	<0.5	<0.5	<0.5	<1.6	--	--	--	--	--	
	5/15/08	1,122.30	--	90.89	0.00	1,031.41	--	<77	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/15/08 (D)	1,122.30	--	90.89	0.00	1,031.41	--	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/18-19/09	1,122.30	--	91.05	0.00	1,031.25	--	37	<74	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/18-20/10	1,122.30	--	74.29	0.00	1,048.01	--	140	170	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/18-20/10 (D)	1,122.30	--	--	--	--	--	100	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	8/23/10	1,122.30	--	66.00	0.00	1,056.30	--	640	640	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/5/11	1,122.30	--	88.22	0.00	1,034.08	--	210	2,200	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/5/11 (D)	1,122.30	--	--	--	--	--	34	270	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/12	1,122.30	--	77.10	0.00	1,045.20	--	<34	<79	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/22/12 (D)	1,122.30	--	--	--	--	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/14/13	1,122.30	--	76.37	0.00	1,045.93	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/14/2013 (D)	1,122.30	--	--	--	--	--	49	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/6/14	1,122.30	--	77.71	0.00	1,044.59	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	5/6/14 (D)	1,122.30	--	--	--	--	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	6/17/15	1,122.30	--	71.45	0.00	1,050.85	--	<28/86	<66/98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	9/21/15	1,122.30	--	66.23	0.00	1,056.07	--	<28/28	<66/66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	12/9/15	1,122.30	--	69.32	0.00	1,052.98	--	<29/<29	--/<67	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
	3/14/16	1,122.30	--	74.62	0.00	1,047.68	--	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	6/22/16	1,122.30	--	69.31	0.00	1,052.99	--	<28/62	<66/ 1,500	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
	9/11-12/16	1,122.30	--	65.56	0.00	1,056.74	--	<29/<29	<67/230	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0096	<0.5	--	--	
	3/19/17	1,122.30	--	74.90	0.00	1,047.40	--	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	0.6	<6.2	<6.2	
	6/19/17	1,122.30	--	71.96	0.00	1,050.34	--	<29/60	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0098	2	<6.0	<6.0	
	10/16/17	1,122.30	--	66.52	0.00	1,055.78	--	<28/29	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	<6.0	<6.0	
	12/3/17	1,122.30	--	69.17	0.00	1,053.13	--	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<6.0	<6.0	
MW-38																				
	3/19/17	1,121.08	--	46.16	0.00	1074.92	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	--
	6/19/17	1,121.08	--	46.09	0.00	1074.99	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	--
	10/16/17	1,121.08	--	46.07	0.00	1075.01	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	--
	12/3/17	1,121.08	--	46.06	0.00	1075.02	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 96590
232 East Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead		
MW-39	3/19/17	1,117.42	--	44.78	0.00	1072.64	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--	--	
	6/19/17	1,117.42	--	44.83	0.00	1072.59	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--	--	--	--	--	--
	10/16/17	1,117.42	--	42.31	0.00	1075.11	--	--	--	55	<0.5	<0.5	<0.5	<0.5	--	<0.0097	<0.5	--	--	--	
	12/3/17	1,117.42	--	42.13	0.00	1075.29	--	<31/85	97/150	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	--	--	
QA																					
	9/23/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	3/20/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	9/2/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	5/10/00	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	--	
	11/11/00	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	2/26/01	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
	5/25/01	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<2.5	--	--	--	
	8/17/01	--	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	
	11/9/01	--	--	--	--	--	--	--	--	<100	<0.500	<1.00	<1.00	<1.50	--	--	--	--	--	--	
	1/24/02	--	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	
	5/19/02	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<2.5	--	--	--	
	7/16/02	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<2.5	--	--	--	
	2/24/03	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<2.5	--	--	--	
	4/1-4/03	--	--	--	--	--	--	--	--	<50	<0.5	1	<0.5	<1.5	--	--	--	--	--	--	
	7/15/03	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	10/23/03	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	1/14/04	--	--	--	--	--	--	--	--	<50	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	
	1/14/04	--	--	--	--	--	--	--	--	<50	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	
	4/13/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	4/14/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	4/14/04	--	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	7/13/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	7/14/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	10/13/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	10/14/04	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	1/12/05	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	5/5/05	--	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	<2.5	--	--	--	
	7/13/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/26/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/06	--	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	3/14/06	--	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	10/2/06	--	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/22/07	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	11/6/07	--	--	--	--	--	--	--	--	<51	<0.5	<0.5	<0.5	<1.6	--	--	--	--	--	--	
	5/14/08	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/15/08	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/15/08	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/18-19/09	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/18-20/10	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	
	5/18-20/10	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	

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232 East Woodin Avenue
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Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
QA (cont.)	8/23/10	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/5/11	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/22/12	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/14/13	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/15/13	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	5/6/14	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/19/15	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/21/15	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	12/9/15	--	--	--	--	--	--	--	--	<50	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	3/14/16	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	6/22/16	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
	9/11-12/16	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	3/19/17	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	6/19/17	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	10/16/17	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	12/3/17	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--

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232 East Woodin Avenue
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Well ID	Date	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE ³ (ft.)	TPH-418.1	TPH-DRO ¹⁰	TPH-HRO ¹⁰	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead
Standard Laboratory Reporting Limits:							--	--	--	50	0.5	0.5	0.5	1.5	2.5				
MTCA Method A Cleanup Levels:							--	500	500	800/1,000	5	1,000	700	1,000	20	0.01	5	15	15
Current Method ⁴ :							--	NWTPH-Dx + Extended ⁵		NWTPH-Gx	EPA 8260B							EPA 6010B	EPA 6010B

Abbreviations:

(D) = Duplicate
DTP = Depth to Product
DTW = Depth to Water
EDB =
EDC =
EPA = Environmental Protection Agency
(ft.) = Feet
GWE = Groundwater Elevation

MTCA = Model Toxics Control Act
MTBE = Methyl Tertiary Butyl Ether
ND = Not Detected
QA = Quality Assurance/Trip Blank
SAIC = SAIC Energy, Environment & Infrastructure, LLC
LNAPL = Light nonaqueous-phase liquid
LNAPLT = LNAPL Thickness

TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as diesel-range organics
TPH-GRO = TPH as gasoline-range organics
TPH-HRO = TPH as heavy oil-range organics
USEPA = United States Environmental Protection Agency
-- = Not Measured/Not Analyzed
µg/L = Micrograms per liter

Notes:

- 1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
- 2 TOC elevations based on elevation survey performed by SAIC on 7/12/2004. Measurements were made relative to City of Chelan benchmark (east bolt of fire hydrant at SW corner of the intersection of Woodin Avenue and Saunders Street). Benchmark elevation provided by City of Chelan is 1,125.06 feet above mean sea level. For historical data collected prior to 7/12/2004, TOC elevations have been revised to allow evaluation of groundwater elevation changes over the history of the project.
- 3 When LNAPL is present, GWE has been corrected using the following formula: $GWE = [(TOC - DTW) + (LNAPLT \times 0.80)]$.
- 4 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
- 5 Analyzed with silica-gel clean up.
- 6 Absorbent sock installed in well.
- 7 MTBE by USEPA Method 8260.
- 8 Unable to measure interface of product and water; therefore, GWE can not be determined. When present, LNALT has been estimated using the following formula: $LNALT = Total\ Well\ Depth - DTP$
- 9 Insufficient water to determine GWE.
- 10 TPH-DRO and TPH-HRO results with multiple values are reported as follows: with silica gel cleanup/without silica gel cleanup.

Table 2
Summary of Natural Attenuation Monitoring Results
Chevron Service Station No. 9-6590
232 East Woodin Avenue
Chelan, Washington

	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
Benzene									
05/18-19/2009	<0.5	<0.5	3.3	--	2.7	--	--	1,700	<0.5
05/18-20/2010	<0.5	<0.5	6.1	--	0.9	--	--	1,300	<0.5
5/5/2011	<0.5	1.7	4.3	--	1.3	--	--	1,600	<0.5
5/22/2012	<0.5	<0.5	2.7	--	--	--	--	1,300	<0.5
5/15/2013	<0.5	7.1	4.2	--	2.0	--	--	1,400	<0.5
5/7/2014	<0.5	9.4	--	--	--	--	--	650	<0.5
6/9/2015	<0.5	<0.5	23.0	<0.5	3.0	15.0	9.0	1,100	<0.5
9/21/2015	<0.5	<0.5	16	0.5	16	12	5.5	1,100	<0.5
12/9/2015	0.2	<0.2	18	0.3	22	11	4.2	1,700	<0.5
3/14/2016	--	<0.5	75	2.4	11	5.4	<0.5	--	<0.5
6/22/2016	<0.5	<0.5	150	<0.5	5.8	13	<0.5	--	<0.5
9/11/2016	<0.5	<0.5	63	<0.5	0.8	<0.5	<0.5	--	<0.5
3/17/2017	<0.5	<0.5	48	<0.5	<0.5	<0.5	<0.5	--	<0.5
6/19/2017	<0.5	<0.5	77	<0.5	0.9	<0.5	<0.5	--	<0.5
10/16/2017	<0.5	<0.5	56	<0.5	<0.5	<0.5	<0.5	--	<0.5
12/3/2017	<0.5	<0.5	57	<0.5	<0.5	<0.5	<0.5	--	<0.5
TPH-GRO									
05/18-19/2009	<50	110	140	--	490	--	--	1,800	<50
05/18-20/2010	<50	<50	410	--	220	--	--	2,500	<50
5/5/2011	<50	<50	470	--	80	--	--	3,600	<50
5/22/2012	<50	<50	98	--	--	--	--	2,000	<50
5/15/2013	<50	180	120	--	210	--	--	2,000	<50
5/7/2014	<50	3,300	--	--	--	--	--	890	<50
6/9/2015	<50	<50	7,200	<50	340	2,000	1,600	2,400	<50
9/21/2015	<50	<50	5,800	140	1,100	37,000	4,800	3,000	<50
12/9/2015	170	<50	8,300	<50	2,200	4,100	2,600	4,500	<50
3/14/2016	--	<50	38,000	440	1,700	2,600	240	--	<50
6/22/2016	<50	<50	72,000	86	740	18,000	120	--	<50
9/11/2016	<50	<50	63,000	110	1,300	33,000	320	--	<50
3/17/2017	<50	<50	41,000	95	750	17,000	81	--	<50
6/19/2017	<50	<50	74,000	78	1,400	6,900	<50	--	<50
10/16/2017	<50	<50	52,000	89	170	2,300	<50	--	<50
12/3/2017	<50	<50	55,000	55	220	11,000	140	--	<50

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232 East Woodin Avenue
Chelan, Washington

	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
TPH-DRO with silica gel cleanup									
05/18-19/2009	<28	35	63	--	1,100	--	--	720	<29
05/18-20/2010	68	46	810	--	540	--	--	400	43
5/5/2011	45	<32	220	--	310	--	--	800	<30
5/22/2012	<31	<30	<31	--	--	--	--	690	<30
5/15/2013	160	76	<29	--	340	--	--	54	<29
5/7/2014	<29	580	--	--	--	--	--	54	<30
6/9/2015	<28	<29	83	<29	<28	2,300	14,000	55	<30
9/21/2015	<28	68	130	<28	<28	1,700	1,400	120	85
12/9/2015	<29	<28	110	<28	33	2,100	340	140	<29
3/14/2016	--	<28	220	<28	<29	77	49	--	<29
6/22/2016	<28	<29	260	<29	<28	2,800	<29	--	<29
9/11/2016	<29	<28	340	<29	<29	29,000	53	--	<29
3/17/2017	<29	<29	310	150	<29	11,000	<29	--	<29
6/19/2017	<28	<28	300	180	<28	3,800	100	--	<28
10/16/2017	<29	<28	260	<28	<28	510	<28	--	<28
12/3/2017	<29	<29	290	33	<29	18,000	<29	--	<29

Table 2
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Chevron Service Station No. 9-6590
232 East Woodin Avenue
Chelan, Washington

	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
TPH-HRO with silica gel cleanup									
05/18-19/2009	<66	<67	<74	--	<80	--	--	650	<67
05/18-20/2010	<69	<69	990	--	<73	--	--	100	<69
5/5/2011	210	<74	250	--	93	--	--	1,700	<71
5/22/2012	<72	<70	<72	--	--	--	--	2,200	<71
5/15/2013	270	170	<67	--	<67	--	--	<67	<67
5/7/2014	<68	<69	--	--	--	--	--	190	<69
6/9/2015	<66	<67	<68	<67	<66	290	<340	<67	<71
9/21/2015	<66	<66	<66	<66	<66	140	93	170	<66
12/9/2015	--	--	--	--	--	--	--	--	--
3/14/2016	--	<66	<67	100	<67	120	160	--	<67
6/22/2016	<66	<69	<66	120	<66	210	<68	--	<68
9/11/2016	<67	<66	<67	120	<67	<3,300	<67	--	<67
3/17/2017	<67	<67	<67	1,200	<67	1,200	110	--	<67
6/19/2017	<66	<66	<67	1,100	<66	460	510.0	--	<66
10/16/2017	<67	<66	<67	<66	<66	<66	<66	--	<66
12/3/2017	<67	<68	<67	110	<67	1,200	<69	--	<67
Nitrate									
05/18-19/2009	13,900	9,200	<250	--	<250	--	--	<250	2,400
05/18-20/2010	14,800	15,900	1,300	--	<250	--	--	<250	2,700
5/5/2011	15,100	14,300	620	--	<250	--	--	<250	3,600
5/22/2012	14,700	14,700	3,400	--	--	--	--	<250	3,000
5/15/2013	14,100	15,800	3,200	--	1,500	--	--	<250	3,800
5/7/2014	14,700	2,500	--	--	--	--	--	<250	2,600
6/9/2015	10,200	21,900	12,900	13,700	<250	<250	10,200	590	4,100
9/21/2015	14,600	19,300	<250	13,200	<250	<250	12,200	<250	4,600
12/9/2015	12,100	22,600	<250	14,700	<250	<250	13,400	<250	5,100
3/14/2016	--	4,200	<250	14,000	4,200	6,500	11,700	--	3,000
6/22/2016	17,400	19,900	<250	15,800	7,800	10,500	250	--	3,500
9/11/2016	16,600	21,000	<250	15,400	5,600	14,300	12,600	--	3,400
3/17/2017	12,000	24,000	<250	13,300	13,400	15,700	10,900	--	3,600
6/19/2017	13,200	19,000	<250	15,100	11,900	16,100	12,000	--	3,800
10/16/2017	14,300	19,600	<250	13,500	14,300	10,500	11,700	--	4,200
12/3/2017	14,400	17,900	<250	14,100	15,300	6,500	12,500	--	5,400

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Chelan, Washington

	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
Sulfate									
05/18-19/2009	52,900	57,700	32,400	--	247,000	--	--	13,600	13,400
05/18-20/2010	47,300	55,400	21,400	--	69,500	--	--	6,700	14,000
5/5/2011	52,400	62,100	21,200	--	12,500	--	--	3,300	17,100
5/22/2012	48,000	58,800	29,500	--	--	--	--	7,300	15,200
5/15/2013	47,000	59,400	29,200	--	5,000	--	--	3,900	16,200
5/7/2014	41,700	2,400	--	--	--	--	--	9,800	14,200
6/9/2015	38,200	38,700	31,400	31,900	2,400	<1,500	50,600	3,300	19,200
9/21/2015	51,200	41,000	4,600	32,400	10,800	2,500	50,000	<1,500	20,200
12/9/2015	40,200	37,900	2,500	28,300	11,000	1,700	47,700	<1,500	21,200
3/14/2016	--	31,700	<1,500	29,000	31,700	34,500	36,700	--	14,200
6/22/2016	67,700	29,200	<1,500	29,800	28,900	45,800	43,200	--	16,000
9/11/2016	50,500	30,000	<1,500	28,000	28,400	54,200	42,900	--	14,400
3/17/2017	33,600	33,100	1,600	27,500	27,100	72,400	31,100	--	15,800
6/19/2017	34,800	24,300	<1,500	26,900	23,800	59,600	29,500	--	15,300
10/16/2017	43,200	28,900	<1,500	26,400	24,600	44,800	31,300	--	16,800
12/3/2017	45,800	23,700	3,100	26,900	35,600	52,400	30,100	--	18,200
Ferrous Iron									
05/18-19/2009	<10	32	650	--	14,700	--	--	1,400	47
05/18-20/2010	12	120	830	--	6,500	--	--	40,300	260
5/5/2011	26	190	2,200	--	16,000	--	--	25,400	24
5/22/2012	11	110	94	--	--	--	--	58,600	780
5/15/2013	27	700	300	--	38,300	--	--	51,200	59
5/7/2014	<10	51	--	--	--	--	--	19,300	48
6/9/2015	<10	74	2500	100	320	10,600	34	17,800	3,000
9/21/2015	58	550	1,600	66	2,000	11,600	21	2,500	1,300
12/9/2015	52	250	1,800	62	4,000	5,000	16	6,900	740
3/14/2016	--	450	3,100	230	170	320	<10	--	2,300
6/22/2016	43	2,200	3,800	460	69	120	110	--	4,300
9/11/2016	100	180	7,900	800	<10	82	53	--	830
3/17/2017	<15	<15	2,500	<15	16	<15	<15	--	<15
6/19/2017	<15	<15	<15	<15	47	<15	<15	--	<15
10/16/2017	<15	220	9,900	27	<15	17	190	--	450
12/3/2017	<15	290	6,600	48	32	110	520	--	490

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	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
Dissolved Manganese									
6/9/2015	19	<0.83	765	1,680	2,040	701	55.8	751	25.3
9/21/2015	174	<0.83	650	978	3,700	1,920	227	945	45
12/9/2015	107	63.5	729	75.9	2,930	1,680	28.5	1,040	27.4
3/14/2016	--	<1.2	1,620	329	1,580	1,180	10.8	--	88.8
6/22/2016	131	162	2,000	150	896	623	33.1	--	<1.8
9/11/2016	2,530	8.1	1,950	163	1,090	1,700	40.3	--	<1.8
3/17/2017	63.3	<1.8	1,890	305	2,080	1,320	4.9	--	445
6/19/2017	3.7	2.7	2,090	223	3,150	700	<1.6	--	152
10/16/2017	22.9	703	2,060	141	670	603	2.1	--	1,850
12/3/2017	257	<1.6	1,990	187	773	2,600	223	--	101
Methane									
6/9/2015	<3.0	<3.0	5.7	<3.0	<3.0	230	<3.0	85	<3.0
9/21/2015	<3.0	<3.0	8.1	<3.0	<3.0	160	<3.0	190	<3.0
12/9/2015	<3.0	<3.0	3.9	<3.0	<3.0	30	<3.0	110	<3.0
3/14/2016	--	<3.0	20	<3.0	<3.0	<3.0	<3.0	--	<3.0
6/22/2016	<3.0	<3.0	11	<3.0	<3.0	<3.0	<3.0	--	<3.0
9/11/2016	<3.0	<3.0	15	<3.0	<3.0	<3.0	<3.0	--	<3.0
3/17/2017	<3.0	<3.0	15	<3.0	<3.0	<3.0	<3.0	--	<3.0
6/19/2017	<3.0	<3.0	14	5.0	30	<3.0	<3.0	--	<3.0
10/16/2017	<3.0	<3.0	18	<3.0	<3.0	<3.0	<3.0	--	<3.0
12/3/2017	<3.0	<3.0	23	<3.0	5.3	<3.0	<3.0	--	<3.0

Table 2
Summary of Natural Attenuation Monitoring Results
Chevron Service Station No. 9-6590
232 East Woodin Avenue
Chelan, Washington

	Upgradient Wells		Well at Upgradient Edge of Plume		Source Area Wells				Downgradient "Sentinel" Well
	MW-8	MW-28	MW-17	MW-18	MW-6	MW-7	MW-15	MW-21 ¹	MW-23
Laboratory Results (µg/L)									
Alkalinity									
6/9/2015	231,000	309,000	435,000	700	680,000	540,000	193,000	367,000	115,000
9/21/2015	222,000	288,000	436,000	247,000	665,000	542,000	183,000	349,000	210,000
12/9/2015	251,000	286,000	443,000	259,000	705,000	599,000	193,000	362,000	227,000
3/14/2016	--	212,000	421,000	275,000	417,000	448,000	199,000	--	199,000
6/22/2016	220,000	215,000	420,000	261,000	368,000	438,000	197,000	--	207,000
9/11/2016	193,000	213,000	416,000	285,000	386,000	443,000	198,000	--	199,000
3/17/2017	205,000	201,000	404,000	258,000	293,000	465,000	198,000	--	216,000
6/19/2017	217,000	204,000	403,000	246,000	403,000	425,000	191,000	--	201,000
10/16/2017	227,000	186,000	388,000	230,000	244,000	400,000	180,000	--	192,000
12/3/2017	228,000	189,000	388,000	228,000	277,000	--	178,000	--	149,000

MTCA = Model Toxics Control Act
 TPH-DRO = TPH as diesel-range organics
 TPH-GRO = TPH as gasoline-range organics

TPH-HRO = TPH as heavy oil-range organics
 -- = Not Measured/Not Analyzed
 µg/L = Micrograms per liter

Notes:

1. Not sampled from 3/14/16 through 12/3/17 due to presence of LNAPL.

Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.

MTCA Method A Cleanup Levels

Benzene: 5 µg/L

TPH-DRO: 500 µg/L

TPH-GRO: 800 µg/L

TPH-HRO: 500 µg/L

Appendix A:
Gettler-Ryan Groundwater Monitoring and Sampling Data Packages



GETTLER-RYAN INC.



TRANSMITTAL

December 18, 2015
G-R #386610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station**
#9-6590
232 Woodin Avenue
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Fourth Quarter Event of December 9, 2015

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST	
Facility#: Chevron #9-6590	Date: 12/9/15
Address: 232 Woodin Avenue	
City/St.: Chelan, WA	
Status of Site: active station / street wells	

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
	No				
	DRUMS				

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets <small>(M) Missing (R) Replaced</small>	Bolts <small>(M) Missing (R) Replaced</small>	Replaced Plug Y/N	Replaced Lock Y/N	Well Box <small>Manufacturer/Size/# of Bolts</small>	Other
MW-2	NA	NA	NO	NO	OPW / 12 / 6	
MW-5	OK	OK	↓	↓	MORRIS / 8 / 2	
MW-6	↓	↓	↓	↓	↓	3
MW-7	↓	↓	↓	↓	↓	↓
MW-8	↓	↓	↓	↓	↓	2
MW-9	↓	↓	↓	↓	↓	3
MW-10	↓	↓	↓	↓	↓	
MW-12	↓	↓	↓	↓	↓	
MW-15	↓	↓	↓	↓	↓	
MW-16	↓	↓	↓	↓	↓	
MW-17	OK	OK	N	N	8" MORRIS	
MW-18	↓	↓	↓	↓	↓	
MW-19	↓	↓	↓	↓	↓	
MW-21	↓	↓	↓	↓	↓	
MW-22	↓	↓	↓	↓	↓	
MW-23	↓	↓	↓	↓	↓	
MW-25	OK	OK	↓	↓	12" MORAN	
MW-27	OK	OK	↓	↓	8" MORRIS	
MW-28	OK	OK	↓	↓	↓	
MW-30	↓	↓	↓	↓	MORRIS / 8 / 3	
MW-31	OK	OK	NO	NO	8" MORRIS	
MW-36	↓	↓	↓	↓	↓	
MW-37	↓	↓	↓	↓	MORRIS / 8 / 2	

Additional Comments/Observations: _____

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 2(4) in.
 Total Depth: 23.60 ft.
 Depth to Water: DRY ft.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTRH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: μ s DRY @ 23.60

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 2.4 in.
 Total Depth: 34.8 ft.
 Depth to Water: 28.85 ft.
5.96 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0807
 Sample Time/Date: 0845/12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: CLOUDY
 Water Color: CLOUDY Odor: Y/N
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 28.85

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0825</u>	<u>3.6</u>	<u>7.59</u>	<u>1361</u>	<u>15.1</u>	<u>1.0</u>	<u>-24</u>	<u>28.35</u>
<u>0828</u>	<u>4.2</u>	<u>7.57</u>	<u>1360</u>	<u>15.0</u>	<u>1.0</u>	<u>-22</u>	<u>28.85</u>
<u>0831</u>	<u>4.8</u>	<u>7.56</u>	<u>1364</u>	<u>14.9</u>	<u>1.0</u>	<u>-22</u>	<u>28.85</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 30.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-6
 Well Diameter: 2.4 in.
 Total Depth: 35.8 ft.
 Depth to Water: 29.19 ft.
6.62 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters x
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1245
 Sample Time/Date: 1335/12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: CLOUDY
 Water Color: CLEAR Odor: DN MODERATE
 Sediment Description: SLURRY
 Volume: _____ ltrs DTW @ Sampling: 29.2

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1307</u>	<u>3.6</u>	<u>7.24</u>	<u>1360</u>	<u>15.7</u>	<u>1.1</u>	<u>-27</u>	<u>29.20</u>
<u>1306</u>	<u>4.2</u>	<u>7.22</u>	<u>1357</u>	<u>15.6</u>	<u>1.0</u>	<u>-28</u>	<u>29.21</u>
<u>1309</u>	<u>4.8</u>	<u>7.20</u>	<u>1356</u>	<u>15.3</u>	<u>1.2</u>	<u>-30</u>	<u>29.21</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 31.00ft.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 12/9/15 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-7
 Well Diameter: 2.4 in.
 Total Depth: 34.71 ft.
 Depth to Water: 28.29 ft.
6.42 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1130 Weather Conditions: Cloudy
 Sample Time/Date: 1220 / 12/9/15 Water Color: CLEAR Odor: YN MODERATE
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO if yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 28.34

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS / µmhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1148</u>	<u>3.6</u>	<u>7.15</u>	<u>1497</u>	<u>15.1</u>	<u>1.1</u>	<u>-24</u>	<u>28.33</u>
<u>1151</u>	<u>4.2</u>	<u>7.14</u>	<u>1489</u>	<u>15.0</u>	<u>1.0</u>	<u>-25</u>	<u>28.33</u>
<u>1154</u>	<u>4.8</u>	<u>7.11</u>	<u>1486</u>	<u>15.0</u>	<u>1.0</u>	<u>-22</u>	<u>28.34</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ~30.50ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-8
 Well Diameter: 2.4 in.
 Total Depth: 34.82 ft.
 Depth to Water: 25.90 ft.
8.92 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1025
 Sample Time/Date: 1110 12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? No If yes, Time: _____

Weather Conditions: CLOUDY
 Water Color: CLEAR Odor: YIN
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: 25.90

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1043</u>	<u>3.6</u>	<u>7.43</u>	<u>881</u>	<u>14.2</u>	<u>1.2</u>	<u>53</u>	<u>25.90</u>
<u>1046</u>	<u>4.2</u>	<u>7.42</u>	<u>879</u>	<u>14.1</u>	<u>1.3</u>	<u>54</u>	<u>25.90</u>
<u>1049</u>	<u>4.8</u>	<u>7.41</u>	<u>877</u>	<u>14.0</u>	<u>1.1</u>	<u>56</u>	<u>25.90</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>2</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ≈ 29.00ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 2.4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 37.92 ft.
2.57 xVF = _____

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 34.31 ft
 Depth to Water: 37.92 ft
 Hydrocarbon Thickness: 3.21 ft
 Visual Confirmation/Description: TAR LOU
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N _____
 Sediment Description: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8821)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA M/O S/H

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: (2) 4 in.
 Total Depth: 37.80 ft.
 Depth to Water: 37.82 ft.
0.04 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>27.99</u> ft
Depth to Water:	<u>37.82</u> ft
Hydrocarbon Thickness:	<u>9.83</u> ft
Visual Confirmation/Description:	<u>no TAN, oily</u>
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Cx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/O JPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-12
 Well Diameter: 2.4 in.
 Total Depth: 37.0 ft.
 Depth to Water: 31.4 ft.
5.97 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 28.62 ft
 Depth to Water: 31.04 ft
 Hydrocarbon Thickness: 2.42 ft
 Visual Confirmation/Description:
tan oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GEM

Well ID: MW-15
 Well Diameter: 2.4 in.
 Total Depth: 39.98 ft.
 Depth to Water: 26.99 ft.
12.99 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u> </u> ft
Visual Confirmation/Description:	<u> </u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0912
 Sample Time/Date: 1005 / 12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? No If yes, Time: _____

Weather Conditions: CLOUDY
 Water Color: CLEAR Odor: YIN SLIGHT
 Sediment Description: SLIGHT
 Volume: _____ ltrs DTW @ Sampling: 27.05

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (US) mS (µmhos/cm)	Temperature (C) / (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0930</u>	<u>3.6</u>	<u>7.99</u>	<u>710</u>	<u>14.6</u>	<u>1.6</u>	<u>101</u>	<u>27.04</u>
<u>0933</u>	<u>4.2</u>	<u>7.92</u>	<u>709</u>	<u>14.4</u>	<u>1.5</u>	<u>103</u>	<u>27.05</u>
<u>0936</u>	<u>4.8</u>	<u>7.95</u>	<u>707</u>	<u>14.5</u>	<u>1.5</u>	<u>104</u>	<u>27.05</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
<u>Dup</u>	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>1 x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ~29.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-16
 Well Diameter: (2) 4 in.
 Total Depth: 50.02 ft.
 Depth to Water: 43.33 ft.
6.69 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 41.89 ft
 Depth to Water: 43.33 ft
 Hydrocarbon Thickness: 1.44 ft
 Visual Confirmation/Description:
TAN/OILY
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA NO SRU

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JH

Well ID: MW-17
 Well Diameter: (2) 4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 25.25 ft.
13.15 xVF ~~47~~ = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.68

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1125 Weather Conditions: Cloudy
 Sample Time/Date: 1210 / 12/9/15 Water Color: Cloudy Odor: GIN / Strong
 Approx. Flow Rate: 200 mlpm Sediment Description: 10HR
 Did well de-water? No If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 25.46

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS / µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1143</u>	<u>3.6</u>	<u>7.60</u>	<u>712</u>	<u>13.8</u>	<u>1.46</u>	<u>120</u>	<u>25.31</u>
<u>1146</u>	<u>4.2</u>	<u>7.68</u>	<u>719</u>	<u>13.7</u>	<u>1.49</u>	<u>134</u>	<u>25.37</u>
<u>1149</u>	<u>4.8</u>	<u>7.75</u>	<u>718</u>	<u>13.6</u>	<u>1.53</u>	<u>143</u>	<u>25.46</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 28.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JH

Well ID: MW-18
 Well Diameter: 214 in.
 Total Depth: 39.06 ft.
 Depth to Water: 24.35 ft.
14.71 xVF = _____

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.29
 x3 case volume = Estimated Purge Volume: _____ gal.

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1225 Weather Conditions: Cloudy
 Sample Time/Date: 1315 / 12/9/15 Water Color: cloudy Odor: Y I (N)
 Approx. Flow Rate: 200 mlpm Sediment Description: cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.50

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS / umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1243</u>	<u>3.6</u>	<u>7.91</u>	<u>568</u>	<u>13.8</u>	<u>1.31</u>	<u>128</u>	<u>24.39</u>
<u>1246</u>	<u>4.2</u>	<u>7.94</u>	<u>572</u>	<u>13.7</u>	<u>1.36</u>	<u>134</u>	<u>24.44</u>
<u>1249</u>	<u>4.8</u>	<u>7.97</u>	<u>584</u>	<u>13.6</u>	<u>1.42</u>	<u>141</u>	<u>24.50</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>2</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 28.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JH

Well ID: MW-19
 Well Diameter: 6.14 in.
 Total Depth: 40.04 ft.
 Depth to Water: 20.60 ft.
19.44 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 12/9/15 (inclusive)
 City: Chelan, WA Sampler: JB

Well ID: MW-21 Date Monitored: 12/9/15
 Well Diameter: Ø14 in.
 Total Depth: 39.93 ft.
 Depth to Water: 28.55 ft.
11.38 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.82

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0715 Weather Conditions: cloudy
 Sample Time/Date: 0800 / 12/9/15 Water Color: cloudy Odor: Ø / N
 Approx. Flow Rate: 200 mlpm Sediment Description: cloudy
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 28.67

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0733</u>	<u>3.6</u>	<u>7.65</u>	<u>591</u>	<u>13.9</u>	<u>1.19</u>	<u>74</u>	<u>28.59</u>
<u>0736</u>	<u>4.2</u>	<u>7.70</u>	<u>604</u>	<u>13.8</u>	<u>1.25</u>	<u>77</u>	<u>28.64</u>
<u>0739</u>	<u>4.8</u>	<u>7.73</u>	<u>612</u>	<u>13.7</u>	<u>1.28</u>	<u>79</u>	<u>28.67</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MLI-21</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 31.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JH

Well ID: MW-22
 Well Diameter: 2 1/4 in.
 Total Depth: 41.18 ft.
 Depth to Water: 27.47 ft.
13.71 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At:

M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 12/9/15 (inclusive)
 City: Chelan, WA Sampler: 34

Well ID: MW-23 Date Monitored: 12/9/15
 Well Diameter: 2 1/4 in.
 Total Depth: 38.21 ft.
 Depth to Water: 29.13 ft. Check if water column is less than 0.50 ft.
9.68 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.94

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0820 Weather Conditions: Cloudy
 Sample Time/Date: 0900 / 12/9/15 Water Color: Cloudy Odor: Y N / Strong
 Approx. Flow Rate: 200 mlpm Sediment Description: 1.048
 Did well de-water? No If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 29.28

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS pmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0838</u>	<u>3.6</u>	<u>7.68</u>	<u>577</u>	<u>13.9</u>	<u>1.24</u>	<u>116</u>	<u>29.7</u>
<u>0841</u>	<u>4.2</u>	<u>7.72</u>	<u>581</u>	<u>13.8</u>	<u>1.40</u>	<u>121</u>	<u>29.22</u>
<u>0844</u>	<u>4.8</u>	<u>7.80</u>	<u>588</u>	<u>13.6</u>	<u>1.37</u>	<u>128</u>	<u>28.20</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 32.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JB

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.51 ft.
 Depth to Water: 35.63 ft.
15.88 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump /
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 35.51 ft
 Depth to Water: 35.63 ft
 Hydrocarbon Thickness: .12 ft
 Visual Confirmation/Description: Oil - 2.4hr
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NR	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20.3500 Fe-B-1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: MLO SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: SB

Well ID: MW-27

Date Monitored: 12/9/15

Well Diameter: 2 1/4 in.

Total Depth: 40.04 ft.

Depth to Water: 29.30 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

10.74 xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.44

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u> 0 </u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0920
 Sample Time/Date: 1000 / 12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: Cloudy
 Water Color: Cloudy Odor: 01N / Strong
 Sediment Description: 1.5 ft
 Volume: _____ ltrs DTW @ Sampling: 29.47

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS / µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0938</u>	<u>3.6</u>	<u>7.80</u>	<u>462</u>	<u>13.8</u>	<u>1.13</u>	<u>120</u>	<u>29.35</u>
<u>0941</u>	<u>4.2</u>	<u>7.65</u>	<u>455</u>	<u>13.7</u>	<u>1.19</u>	<u>128</u>	<u>29.41</u>
<u>0944</u>	<u>4.8</u>	<u>7.61</u>	<u>439</u>	<u>12.7</u>	<u>1.</u>	<u>134</u>	<u>29.47</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-27</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u> </u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u> </u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u> </u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u> </u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u> </u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u> </u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 32.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: SH

Well ID: MW-28
 Well Diameter: 2 1/4 in.
 Total Depth: 38.33 ft.
 Depth to Water: 24.72 ft.
13.61 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.44

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1020 Weather Conditions: Cloudy
 Sample Time/Date: 1105 / 12/9/15 Water Color: Cloudy Odor: 0 / N
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.85

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS cmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1038</u>	<u>3.6</u>	<u>7.91</u>	<u>655</u>	<u>13.8</u>	<u>1.12</u>	<u>122</u>	<u>24.77</u>
<u>1041</u>	<u>4.2</u>	<u>7.84</u>	<u>661</u>	<u>13.7</u>	<u>1.16</u>	<u>130</u>	<u>24.81</u>
<u>1044</u>	<u>4.8</u>	<u>7.80</u>	<u>659</u>	<u>13.6</u>	<u>1.21</u>	<u>137</u>	<u>24.85</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 28.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-30
 Well Diameter: 2.4 in.
 Total Depth: 94.43 ft.
 Depth to Water: 68.33 ft.
26.10 xVF = ✓

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ✓
 x3 case volume = Estimated Purge Volume: gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0710
 Sample Time/Date: 0749 / 12/9/15
 Approx. Flow Rate: 700 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: CLOUDY
 Water Color: CLEAR Odor: YIN
 Sediment Description: SLIGHT
 Volume: _____ ltrs DTW @ Sampling: 68.37

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0728</u>	<u>3.6</u>	<u>7.67</u>	<u>326</u>	<u>13.7</u>	<u>0.8</u>	<u>54</u>	<u>68.37</u>
<u>0731</u>	<u>4.2</u>	<u>7.64</u>	<u>324</u>	<u>13.6</u>	<u>0.8</u>	<u>53</u>	<u>68.37</u>
<u>0734</u>	<u>4.8</u>	<u>7.63</u>	<u>324</u>	<u>13.5</u>	<u>0.9</u>	<u>52</u>	<u>68.37</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x vov vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 70.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: SB

Well ID: MW-31
 Well Diameter: 214 in.
 Total Depth: 92.34 ft.
 Depth to Water: 66.81 ft.
25.53 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 71.96

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0620
 Sample Time/Date: 0700 / 12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: Cloudy
 Water Color: cloudy Odor: Y/O
 Sediment Description: cloudy
 Volume: _____ ltrs DTW @ Sampling: 67.01

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS / µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0638</u>	<u>3.6</u>	<u>7.89</u>	<u>202</u>	<u>13.9</u>	<u>1.35</u>	<u>-9</u>	<u>66.89</u>
<u>0641</u>	<u>4.2</u>	<u>7.84</u>	<u>209</u>	<u>13.8</u>	<u>1.38</u>	<u>-14</u>	<u>66.94</u>
<u>0644</u>	<u>4.8</u>	<u>7.80</u>	<u>214</u>	<u>13.7</u>	<u>1.42</u>	<u>-16</u>	<u>67.01</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 70.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: JH

Well ID: MW-36
 Well Diameter: 2 1/4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 34.28 ft.
15.21 xVF = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 12/9/15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 12/9/15 (inclusive)
 Sampler: GM

Well ID: MW-37
 Well Diameter: 2.4 in.
 Total Depth: 93.03 ft.
 Depth to Water: 69.32 ft.
23.71 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/9/15

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0610
 Sample Time/Date: 0650/12/9/15
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: cloudy
 Water Color: CLEAR Odor: YKN
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: 69.38

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0628</u>	<u>3.6</u>	<u>7.87</u>	<u>390</u>	<u>13.5</u>	<u>1.2</u>	<u>34</u>	<u>69.37</u>
<u>0631</u>	<u>4.2</u>	<u>7.85</u>	<u>389</u>	<u>13.5</u>	<u>1.3</u>	<u>37</u>	<u>69.38</u>
<u>0634</u>	<u>4.8</u>	<u>7.84</u>	<u>386</u>	<u>13.4</u>	<u>1.4</u>	<u>38</u>	<u>69.78</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 75.50

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1616981 Sample # 5174671-860
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks								
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler GM/ALH				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers: 5 <input type="checkbox"/> BTEX <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> COLUMN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (ESKOP-17SM)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
2 Sample Identification		Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method		
Date	Time	Date	Time																						
QA	12/9/15			X						X					X	X									
MW-5	12/18/15	1335	0845					5								X	X								
MW-6			1345																						
MW-7			1220																						
MW-8			1110																						
MW-15			1005																						
MW-17			1210																						
MW-18			1315																						
MW-21			0800																						
MW-23			0900																						
MW-27			1000					5																	
MW-28			1105																						
MW-30			0749					5																	
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by Date <u>12/10/15</u> Time <u>1100</u>		Received by Date <u>12/10/15</u> Time <u>10:45</u>		Relinquished by Date <u>12/10/15</u> Time _____		Received by _____ Date _____ Time _____		Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____		Received by Date <u>12/12/15</u> Time <u>915</u>		Temperature Upon Receipt <u>6.7-2.9</u> °C		Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No		9 total of 5 containers no methane and a					
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____																					

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1616981 Sample # 8174671-86
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested								6 Remarks									
Facility # SS#9-6590-OML G-R#386810 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler GM/JH				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers 5 BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> COLUMN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/>								SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits									
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method		
Date	Time																								
MW-31	12/9/15	0700	X				W		5	X					X	X	X								
MW-32		0650																							
DUP																									
7 Turnaround Time Requested (TAT) (please circle) Standard <u>5 day</u> 4 day EDF/EDD 72 hour 48 hour 24 hour				Relinquished by Date <u>12/10/15</u> Time <u>1200</u> Relinquished by Date <u>12/10/15</u> Time _____				Received by Date <u>12/10/15</u> Time <u>12545</u> Received by _____ Date _____ Time _____				Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____ Temperature Upon Receipt <u>0.7-2.9 °C</u> Custody-Seals Intact? <u>(Yes)</u> No													
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____				Received by Date <u>12/12/15</u> Time <u>915</u>				Date <u>12/14/15</u> Time _____													

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY. SAMPLES HAVE BEEN FIELD FILTERED. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

5 Total Containers

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1616142 Sample # 8169864-81
Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks											
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grlinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Gm/JH			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers _____ <input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan _____ Oxygenates <input type="checkbox"/> NMTPH-Gx <input type="checkbox"/> NMTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NMTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method DISSOLVED MANGANESE (60183) ALKALINITY (2320 B-1991) NITRATE/SULFATE (EPA-300.0) FERROUS / RON										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits											
2 Sample Identification		Collected		3	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NMTPH-Gx	NMTPH-Dx with Silica Gel Cleanup	NMTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	DISSOLVED MANGANESE (60183)	ALKALINITY (2320 B-1991)	NITRATE/SULFATE (EPA-300.0)	FERROUS / RON
Date	Time	Grab	Composite																								
Mw-6	12/9/15	1335	Y		W		5																	X	X	X	X
MLO-7		1220	Y																								
" 8		1110	Y																								
15		1005	Y																								
17		1210	Y																								
18		1315	Y																								
21		0800	Y																								
23		0900	Y																								
28		1105	Y																								
-add mw- to all sample IDs																											
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by		Date		Time		Received by		Date		Time													
<input checked="" type="checkbox"/> Standard 5 day <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 4 day <input type="checkbox"/> 24 hour <input checked="" type="checkbox"/> EDF/EDD				[Signature] Relinquished by		12/9/15		-		[Signature] Received by		[Signature] Date		[Signature] Time													
8 Data Package (circle if required)				EDD (circle if required)		Relinquished by Commercial Carrier:				Received by		Date		Time													
<input type="checkbox"/> Type I - Full <input type="checkbox"/> Type VI (Raw Data)				<input type="checkbox"/> CVX-RTBU-FL_05 (default) Other: _____		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____ Temperature Upon Receipt <u>0.6</u> °C				[Signature] Received by		12/10/15 Date		1000 Time													
								Custody Seals Intact				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															



GETTLER-RYAN INC.



TRANSMITTAL

March 25, 2016

G-R #386610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station**
#9-6590
232 Woodin Avenue
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package First Quarter Event of March 14 & 15, 2016

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST	
Facility#: Chevron #9-6590	Date: 3/14-15/10
Address: 232 Woodin Avenue	
City/St.: Chelan, WA	
Status of Site: ACTIVE STATION / STREET WELLS	

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
	NO DRUMS				

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	NA	NA	NO	NO	OPW / 12 / 0	
MW-5	OK	OK			MORRIS / B / 2	
MW-6						3
MW-7						↓
MW-8						2
MW-9						3
MW-10						
MW-12						
MW-15						
MW-16						
MW-17					MORRIS B	3
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						
MW-25						12 / 2
MW-27						B 3
MW-28						
MW-30						
MW-31						
MW-36						
MW-37						

Additional Comments/Observations: _____

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 2 1/4 in.
 Total Depth: 23.60 ft.
 Depth to Water: 21.75 ft.

Date Monitored: 3/14/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

1.85 xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____
 Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA MGD

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/10 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 2.14 in.
 Total Depth: 34.85 ft.
 Depth to Water: 26.20 ft.
8.65 xVF = _____

Date Monitored: 3/14/10

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 8 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1605
 Sample Time/Date: 1640/3/14/10
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: Y/N
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 26.20

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1623</u>	<u>3.6</u>	<u>7.14</u>	<u>971</u>	<u>13.5</u>	<u>1.5</u>	<u>115</u>	<u>26.20</u>
<u>1626</u>	<u>4.2</u>	<u>7.11</u>	<u>972</u>	<u>13.4</u>	<u>1.6</u>	<u>116</u>	<u>26.20</u>
<u>1629</u>	<u>4.8</u>	<u>7.09</u>	<u>969</u>	<u>13.4</u>	<u>1.6</u>	<u>116</u>	<u>26.20</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 x vov vial</u>	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2 x 1 liter ambers</u>	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>x 1 liter ambers</u>	YES	HCL	LANCASTER	NWTPH-Dx
	<u>x vov vial</u>	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>x 250ml ambers</u>	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>x 250ml poly</u>	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>x 250ml poly</u>	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>x 500ml poly</u>	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>x vov vial</u>	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: = 28.50 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14/16 - 3/15/16 (inclusive)
 Sampler: Gm

Well ID: MW-6
 Well Diameter: 21.4 in.
 Total Depth: 35.81 ft.
 Depth to Water: 26.01 ft.
9-50 xVF = _____

Date Monitored: 3/14/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump A
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0635
 Sample Time/Date: 0725 3/15/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: Sunny
 Water Color: Clear Odor: YN SLIGHT
 Sediment Description: SLT
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS cmhos/cm)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0653</u>	<u>3.6</u>	<u>6.95</u>	<u>1006</u>	<u>13.1</u>	<u>1.4</u>	<u>61</u>	
<u>0656</u>	<u>4.2</u>	<u>6.94</u>	<u>1005</u>	<u>13.0</u>	<u>1.3</u>	<u>62</u>	
<u>0659</u>	<u>4.8</u>	<u>6.92</u>	<u>1004</u>	<u>13.1</u>	<u>1.4</u>	<u>64</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>x</u> 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ≈ 28.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: gvr

Well ID: MW-7
 Well Diameter: (2)4 in.
 Total Depth: 34.91 ft.
 Depth to Water: 25.01 ft.
9.90 xVF

Date Monitored: 3/14/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description:
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0740
 Sample Time/Date: 0830 3/15/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? No If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 25.11
 Weather Conditions: Sunny
 Water Color: CLEAR Odor: DN SLIGHT
 Sediment Description: SLT

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0758</u>	<u>3.6</u>	<u>7.24</u>	<u>1204</u>	<u>17.0</u>	<u>1.7</u>	<u>134</u>	<u>25.10</u>
<u>0801</u>	<u>4.2</u>	<u>7.22</u>	<u>1260</u>	<u>17.0</u>	<u>1.2</u>	<u>136</u>	<u>25.11</u>
<u>0804</u>	<u>4.8</u>	<u>7.19</u>	<u>1198</u>	<u>17.0</u>	<u>1.3</u>	<u>134</u>	<u>25.11</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>(x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ~ 27.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-8
 Well Diameter: 21.4 in.
 Total Depth: 34.96 ft.
 Depth to Water: 21.92 ft.
13.04 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/14/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 21.90 ft
 Depth to Water: 21.92 ft
 Hydrocarbon Thickness: 0.02 ft
 Visual Confirmation/Description:
LT Brown/gly
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS x mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 2.4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 33.40 ft.
7.09 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/14/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 28.26 ft
 Depth to Water: 33.40 ft
 Hydrocarbon Thickness: 5.14 ft
 Visual Confirmation/Description:
LT Brown / Oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (uS / mS μ mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x vba vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x vba vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x vba vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/L

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 7/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: 2 1/4 in.
 Total Depth: 37.86 ft.
 Depth to Water: 29.69 ft.

Date Monitored: 7/14/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 23.82 ft
 Depth to Water: 29.69 ft
 Hydrocarbon Thickness: 5.87 ft
 Visual Confirmation/Description:
LT Brown, Oily
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, MIB

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-12
 Well Diameter: 2 1/4 in.
 Total Depth: 37-01 ft.
 Depth to Water: 23-75 ft.
13.26 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/14/16

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 19.90 ft
 Depth to Water: 23.75 ft
 Hydrocarbon Thickness: 3.85 ft
 Visual Confirmation/Description:
GT Brown/014X
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter/ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 23.75, N/A

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-15
 Well Diameter: (2)4 in.
 Total Depth: 39.98 ft.
 Depth to Water: 23.27 ft.
16.71 xVF = _____

Date Monitored: 3/15/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.
 x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: X

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: X

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0520
 Sample Time/Date: 0615 3/15/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? No If yes, Time: _____

Weather Conditions: Sunny
 Water Color: CLEAR Odor: DIRTY SLIGHT
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 23.35

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0538</u>	<u>3.6</u>	<u>7.26</u>	<u>1004</u>	<u>12.9</u>	<u>1.1</u>	<u>67</u>	<u>23.34</u>
<u>0541</u>	<u>4.2</u>	<u>7.13</u>	<u>1002</u>	<u>13.0</u>	<u>1.2</u>	<u>68</u>	<u>23.34</u>
<u>0544</u>	<u>4.8</u>	<u>7.16</u>	<u>999</u>	<u>13.0</u>	<u>1.2</u>	<u>69</u>	<u>23.35</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
<u>DW</u>	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x vov vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>1 x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 25.50ft,

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 15/16 (inclusive)
 Sampler: Gar

Well ID: MW-16 Date Monitored: 3/14/16
 Well Diameter: 214 in.
 Total Depth: 50.02 ft.
 Depth to Water: 49.49 ft.
 Volume Factor (VF) table:
 3/4"= 0.02, 1"= 0.04, 2"= 0.17, 3"= 0.38
 4"= 0.66, 5"= 1.02, 6"= 1.50, 12"= 5.80
 Check if water column is less than 0.50 ft.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 0.53 xVF = 0.53 x3 case volume = Estimated Purge Volume: 5 gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 39.94 ft
 Depth to Water: 49.49 ft
 Hydrocarbon Thickness: 9.55 ft
 Visual Confirmation/Description: LT Blow n / OKLY
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 3/14 - 3/15/16 (inclusive)
 City: Chelan, WA Sampler: AW

Well ID: MW-17 Date Monitored: 3-14-16
 Well Diameter: 2 1/4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 21.81 ft. Check if water column is less than 0.50 ft.
16.59 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0630 Weather Conditions: Dawn / Dark
 Sample Time/Date: 0715 / 3-15-16 Water Color: Clear Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Clear
 Did well de-water? n If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 21.92

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS umhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0648</u>	<u>3.6</u>	<u>7.81</u>	<u>542</u>	<u>12.3</u>	<u>1.3</u>	<u>244</u>	<u>21.85</u>
<u>0651</u>	<u>4.2</u>	<u>7.79</u>	<u>550</u>	<u>12.4</u>	<u>1.3</u>	<u>250</u>	<u>21.88</u>
<u>0654</u>	<u>4.8</u>	<u>7.75</u>	<u>555</u>	<u>12.4</u>	<u>1.4</u>	<u>257</u>	<u>21.92</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 240ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-18
 Well Diameter: 21.4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 19.60 ft.
19.45 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0730
 Sample Time/Date: 0818 / 3-15-16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 19.73

Weather Conditions: Sunny
 Water Color: Clear Odor: Y ION
 Sediment Description: Clear

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0748</u>	<u>3.6</u>	<u>7.58</u>	<u>506</u>	<u>12.9</u>	<u>1.2</u>	<u>233</u>	<u>19.66</u>
<u>0751</u>	<u>4.2</u>	<u>7.62</u>	<u>506</u>	<u>13.0</u>	<u>1.2</u>	<u>240</u>	<u>19.70</u>
<u>0754</u>	<u>4.8</u>	<u>7.65</u>	<u>510</u>	<u>13.0</u>	<u>1.2</u>	<u>245</u>	<u>19.73</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 21.5ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: Aw

Well ID: MW-19
 Well Diameter: 2 1/4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 25.58 ft.
14.46 xVF = _____

Date Monitored: 3-14-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/4-3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-21
 Well Diameter: 214 in.
 Total Depth: 39.93 ft.
 Depth to Water: 25.61 ft.
14.32 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>24.38</u>	ft
Depth to Water:	<u>25.61</u>	ft
Hydrocarbon Thickness:	<u>1.23</u>	ft
Visual Confirmation/Description:	<u>Light / brown</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μ S / mS μ mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: SPH - No sample taken

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-22
 Well Diameter: 2 1/4 in.
 Total Depth: 41.17 ft.
 Depth to Water: 23.80 ft.
17.37 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N**
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-3/15/16 (inclusive)
 Sampler: AW/GM

Well ID: MW-23
 Well Diameter: (2) 4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 23.68 ft.
14.52 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0850 Weather Conditions: Sunny
 Sample Time/Date: 0930 / 3-15-16 Water Color: Cloudy Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy / moderate
 Did well de-water? If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23.80

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0858</u>	<u>3.6</u>	<u>7.14</u>	<u>554</u>	<u>13.2</u>	<u>1.8</u>	<u>33</u>	<u>23.73</u>
<u>0901</u>	<u>4.2</u>	<u>7.17</u>	<u>560</u>	<u>13.3</u>	<u>1.7</u>	<u>40</u>	<u>23.77</u>
<u>0904</u>	<u>4.8</u>	<u>7.19</u>	<u>569</u>	<u>13.3</u>	<u>1.7</u>	<u>42</u>	<u>23.80</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 25.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: HW

Well ID: MW-25 Date Monitored: 3-14-16
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 31.35 ft. Check if water column is less than 0.50 ft.
20.15 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 31.11 ft
 Depth to Water: 31.35 ft
 Hydrocarbon Thickness: 0.24 ft
 Visual Confirmation/Description:
Light brown
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/6 / SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-27

Date Monitored: 3-14-16

Well Diameter: 2 1/4 in.

Total Depth: 40.04 ft.

Depth to Water: 35.17 ft.

4.87 xVF = _____

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: _____ gal.

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>23.44</u>	ft
Depth to Water:	<u>35.17</u>	ft
Hydrocarbon Thickness:	<u>11.73</u>	ft
Visual Confirmation/Description:	<u>Light / brown</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	_____

Start Time (purge): _____

Sample Time/Date: _____ / _____

Approx. Flow Rate: _____ mlpm

Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____

Water Color: _____

Odor: Y / N

Sediment Description: _____

Volume: _____

ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu S / mS$ / $\mu mhos/cm$)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: SPH - no sample taken

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-28
 Well Diameter: (2) 4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 19.60 ft.
18.72 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0530
 Sample Time/Date: 0615 / 3-15-16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? If yes, Time: _____ Volume: _____

Weather Conditions: Dark
 Water Color: Clear Odor: Y / N
 Sediment Description: Clear
 ltrs DTW @ Sampling: 19-70

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS / cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0548</u>	<u>3.6</u>	<u>8.29</u>	<u>475</u>	<u>10.6</u>	<u>1.3</u>	<u>233</u>	<u>18.63</u>
<u>0551</u>	<u>4.2</u>	<u>8.30</u>	<u>480</u>	<u>10.7</u>	<u>1.2</u>	<u>240</u>	<u>19.66</u>
<u>0554</u>	<u>4.8</u>	<u>8.30</u>	<u>486</u>	<u>10.7</u>	<u>1.2</u>	<u>244</u>	<u>19.70</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 21.5 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-30

Date Monitored: 3-14-16

Well Diameter: 2 1/4 in.

Total Depth: 94.41 ft.

Depth to Water: 73.75 ft.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

20.66 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1655

Weather Conditions: Cloudy

Sample Time/Date: 1735 / 3-14-16

Water Color: Cloudy Odor: Y / 10

Approx. Flow Rate: 200 mlpm

Sediment Description: cloudy

Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 73.89

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1713</u>	<u>3.6</u>	<u>7.87</u>	<u>441</u>	<u>13.9</u>	<u>1.2</u>	<u>330</u>	<u>73.79</u>
<u>1716</u>	<u>4.2</u>	<u>7.84</u>	<u>436</u>	<u>13.9</u>	<u>1.3</u>	<u>336</u>	<u>73.83</u>
<u>1719</u>	<u>4.8</u>	<u>7.81</u>	<u>430</u>	<u>13.9</u>	<u>1.3</u>	<u>339</u>	<u>73.89</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 76.0ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-31
 Well Diameter: 2 1/4 in.
 Total Depth: 92.34 ft.
 Depth to Water: 72.25 ft.
20.09 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-14-16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1600
 Sample Time/Date: 1640 / 3-14-16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____ Volume: _____

Weather Conditions: Sunny / cold.
 Water Color: Clear Odor: Y / (N)
 Sediment Description: Clear
 ltrs DTW @ Sampling: 72.38

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS / μ hos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1618</u>	<u>3.6</u>	<u>8.42</u>	<u>193</u>	<u>13.3</u>	<u>1.3</u>	<u>212</u>	<u>72.29</u>
<u>1624</u>	<u>4.2</u>	<u>8.40</u>	<u>199</u>	<u>13.4</u>	<u>1.3</u>	<u>219</u>	<u>72.33</u>
<u>1624</u>	<u>4.8</u>	<u>8.38</u>	<u>201</u>	<u>13.4</u>	<u>1.2</u>	<u>225</u>	<u>72.38</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 74.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14 - 3/15/16 (inclusive)
 Sampler: AW

Well ID: MW-36
 Well Diameter: 2 1/4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 32.62 ft.
16.87 xVF = _____

Date Monitored: 3-14-16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 3/14-15/16 (inclusive)
 Sampler: GM

Well ID: MW-37

Date Monitored: 3/14/16

Well Diameter: 2.4 in.

Total Depth: 97.03 ft.

Depth to Water: 74.62 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

18.41 xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 16:52

Weather Conditions: Sunny

Sample Time/Date: 17:35/3/14/16

Water Color: Clear Odor: YN

Approx. Flow Rate: 200 mlpm

Sediment Description: None

Did well de-water? No If yes, Time: _____

Volume: _____ ltrs DTW @ Sampling: 74.69

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1710	3.6	7.84	747	13.6	1.7	106	74.69
1713	4.2	7.82	746	13.5	1.8	105	74.69
1717	4.8	7.80	743	13.5	1.8	104	74.69

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-37	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: ~ 77.00ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.



TRANSMITTAL

July 6, 2016
G-R #386610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station
#9-6590
232 Woodin Avenue
Chelan, Washington**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Second Quarter Event of June 22 and 23, 2016

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#: Chevron #9-6590	Date: 02/22-23/14
Address: 232 Woodin Avenue	
City/St.: Chelan, WA	
Status of Site: ACTIVE STATION (CHEVRON) / STREET / PARKING LOT	

DRUMS:

Please list below ALL DRUMS on site:

(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
1	55 GALLON DRUM	GOOD	Y	8 0 1/2	BEHIND STATION

WELLS:

Please check the condition of ALL WELLS on site:

(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets	Bolts	Replaced Plug	Replaced Lock	Well Box	Other
	(M) Missing (R) Replaced	(M) Missing (R) Replaced	Y/N	Y/N	Manufacturer/Size/# of Bolts	
MW-2	NA	NA	NO	NO	OLW/12/0	
MW-5	OK	OK			MORRIS/8/2	
MW-6						3
MW-7						
MW-8						
MW-9						
MW-10						
MW-12						
MW-15						
MW-16						
MW-17						
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						
MW-25						12/2
MW-27						8/3
MW-28						1
MW-30						
MW-31						
MW-36						
MW-37						

Additional Comments/Observations: THE FENCE AND DRUM STORAGE LOCKER WERE BOTH LOCKED THE SIGN ON THE FENCE WAS PRESENT AND LEGIBLE. THERE WAS NO SIGN OF LEAKAGE.

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 21(4) in.
 Total Depth: 23.60 ft.
 Depth to Water: 20.76 ft.
2.84 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

~~Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____~~

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: SUNNY
 Sample Time/Date: 6/22/16 Water Color: CLEAR Odor: Y/N
 Approx. Flow Rate: _____ mlpm Sediment Description: CLEAR
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	<u>2.73</u>	<u>30.6</u>	<u>20.76</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 2 1/4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 20.30 ft.
14.55 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1750
 Sample Time/Date: 1830 / 6/22/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: Y / N
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 20.34

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / cm) (µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1808</u>	<u>3.6</u>	<u>6.82</u>	<u>1.459</u>	<u>17.06</u>	<u>2.16</u>	<u>29.4</u>	<u>20.33</u>
<u>1811</u>	<u>4.2</u>	<u>6.79</u>	<u>1.450</u>	<u>17.01</u>	<u>2.20</u>	<u>28.9</u>	<u>20.33</u>
<u>1814</u>	<u>4.8</u>	<u>6.76</u>	<u>1.443</u>	<u>17.03</u>	<u>2.39</u>	<u>28.5</u>	<u>20.34</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 24.00 ft



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-6
 Well Diameter: 2/4 in.
 Total Depth: 35.81 ft.
 Depth to Water: 24.30 ft.
11.51 xVF = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1230
 Sample Time/Date: 1315 / 6/23/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: 0/1 N MODERATE
 Sediment Description: SILT
 Volume: ltrs DTW @ Sampling: 24.37

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS /ms µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1248</u>	<u>3.6</u>	<u>7.04</u>	<u>0.475</u>	<u>17.46</u>	<u>1.91</u>	<u>19.8</u>	<u>24.37</u>
<u>1251</u>	<u>4.2</u>	<u>6.99</u>	<u>0.489</u>	<u>17.41</u>	<u>1.98</u>	<u>19.3</u>	<u>24.37</u>
<u>1254</u>	<u>4.8</u>	<u>6.96</u>	<u>0.493</u>	<u>17.37</u>	<u>2.06</u>	<u>19.1</u>	<u>24.37</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ≈ 26.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 6/22-23/16 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-7 Date Monitored: 6/22/16
 Well Diameter: 2 1/4 in.
 Total Depth: 24.91 ft.
 Depth to Water: 23.92 ft. Check if water column is less than 0.50 ft.
10.99 xVF = x3 case volume = Estimated Purge Volume: gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1125 Weather Conditions: SUNNY
 Sample Time/Date: 1210 / 6/23/16 Water Color: CLOUDY Odor: DIN STRONG
 Approx. Flow Rate: 2000 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23.98

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / µS µmhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1143</u>	<u>3.6</u>	<u>7.00</u>	<u>0.496</u>	<u>17.15</u>	<u>2.20</u>	<u>21.7</u>	<u>23.97</u>
<u>1146</u>	<u>4.2</u>	<u>6.97</u>	<u>0.492</u>	<u>17.19</u>	<u>2.27</u>	<u>22.0</u>	<u>23.98</u>
<u>1149</u>	<u>4.8</u>	<u>6.95</u>	<u>0.489</u>	<u>17.17</u>	<u>2.31</u>	<u>22.3</u>	<u>23.98</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 26.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/14 (inclusive)
 Sampler: GM

Well ID: MW-8
 Well Diameter: 2 1/4 in.
 Total Depth: 34.90 ft.
 Depth to Water: 20.60 ft.
14.36 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/14

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump X
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1020
 Sample Time/Date: 1105 / 6/23/14
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____ Volume: _____

Weather Conditions: SUNNY
 Water Color: CLOUDY Odor: DN MODERATE
 Sediment Description: SILT
 ltrs DTW @ Sampling: 20.64

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS / µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1038</u>	<u>3.0</u>	<u>6.95</u>	<u>1.885</u>	<u>17.56</u>	<u>3.05</u>	<u>27.6</u>	<u>20.64</u>
<u>1041</u>	<u>4.2</u>	<u>6.89</u>	<u>1.872</u>	<u>17.49</u>	<u>3.19</u>	<u>28.1</u>	<u>20.64</u>
<u>1044</u>	<u>4.8</u>	<u>6.87</u>	<u>1.867</u>	<u>17.35</u>	<u>3.20</u>	<u>28.4</u>	<u>20.64</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 23.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/14 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 2/4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 32.38 ft.
8.11 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/14

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>28.85</u> ft
Depth to Water:	<u>32.38</u> ft
Hydrocarbon Thickness:	<u>3.53</u> ft
Visual Confirmation/Description:	<u>TAN / OILY</u>
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: - / - / -
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: Y/N STRONG
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	<u>1.09</u>	<u>24.7</u>	<u>32.38</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, MID

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GVM

Well ID: MW-10
 Well Diameter: 2 1/4 in.
 Total Depth: 37.86 ft.
 Depth to Water: 27.59 ft.
10.27 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailor _____
 Stainless Steel Bailor _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailor _____
 Pressure Bailor _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 24.66 ft
 Depth to Water: 27.59 ft
 Hydrocarbon Thickness: 2.93 ft
 Visual Confirmation/Description:
DILY TAN
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: 6/23/16
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____
 Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: Gm

Well ID: MW-12
 Well Diameter: 2 1/4 in.
 Total Depth: 37.01 ft.
 Depth to Water: 23.32 ft.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

13.69 xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 21.39 ft
 Depth to Water: 23.32 ft
 Hydrocarbon Thickness: 1.93 ft
 Visual Confirmation/Description:
Brown oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge):
 Sample Time/Date:
 Approx. Flow Rate: mlpm
 Did well de-water? If yes, Time:

Weather Conditions:
 Water Color: Odor: Y / N
 Sediment Description:
 Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-15
 Well Diameter: 2.14 in.
 Total Depth: 39.98 ft.
 Depth to Water: 25.26 ft.
14.72 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u> </u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0545
 Sample Time/Date: 0630 6/23/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: DIRTY SLIGHT
 Sediment Description: SLT
 Volume: _____ ltrs DTW @ Sampling: 25.26

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / Ks / µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0603</u>	<u>3.6</u>	<u>7.87</u>	<u>0.683</u>	<u>15.62</u>	<u>1.93</u>	<u>-18.1</u>	<u>25.26</u>
<u>0606</u>	<u>4.2</u>	<u>7.85</u>	<u>0.680</u>	<u>15.58</u>	<u>2.09</u>	<u>-18.7</u>	<u>25.26</u>
<u>0609</u>	<u>4.6</u>	<u>7.82</u>	<u>0.674</u>	<u>15.51</u>	<u>2.14</u>	<u>-19.5</u>	<u>25.26</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-GxBTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 27.00ft
DWP TAKEN FROM THIS WELL

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GUM

Well ID: MW-16
 Well Diameter: 214 in.
 Total Depth: 502 ft.
 Depth to Water: 48.62 ft.
1.40 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 36.86 ft
 Depth to Water: 48.62 ft
 Hydrocarbon Thickness: 11.76 ft
 Visual Confirmation/Description:
Brown poly
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-17
 Well Diameter: 3.14 in.
 Total Depth: 38.40 ft.
 Depth to Water: 20.55 ft.
17.85 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0810
 Sample Time/Date: 0855 6/23/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? no If yes, Time: _____ Volume: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: DIN STRONG
 Sediment Description: SLT SILT
 ltrs DTW @ Sampling: 20.58

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / µS / µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0828</u>	<u>3.6</u>	<u>7.25</u>	<u>6.969</u>	<u>16.04</u>	<u>0.99</u>	<u>465.1</u>	<u>20.57</u>
<u>0831</u>	<u>4.2</u>	<u>7.21</u>	<u>8.65</u>	<u>16.01</u>	<u>1.01</u>	<u>-164.6</u>	<u>20.58</u>
<u>0834</u>	<u>4.8</u>	<u>7.17</u>	<u>8.61</u>	<u>16.00</u>	<u>1.04</u>	<u>-167.8</u>	<u>20.58</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>1</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 23.00ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-18
 Well Diameter: 2.4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 20.49 ft.
18.56 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0910
 Sample Time/Date: 1000 / 6/23/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____ Volume: _____

Weather Conditions: SUNNY
 Water Color: clear Odor: DN / SLIGHT
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 20.55

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm) (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0928</u>	<u>3.6</u>	<u>7.38</u>	<u>0.799</u>	<u>16.79</u>	<u>1.17</u>	<u>-84.5</u>	<u>20.55</u>
<u>0931</u>	<u>4.2</u>	<u>7.37</u>	<u>0.795</u>	<u>16.77</u>	<u>1.21</u>	<u>-83.1</u>	<u>20.55</u>
<u>0934</u>	<u>4.8</u>	<u>7.35</u>	<u>0.790</u>	<u>16.70</u>	<u>1.26</u>	<u>-82.6</u>	<u>20.55</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>(x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 22.00F

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GUM

Well ID: MW-19
 Well Diameter: 214 in.
 Total Depth: 40.04 ft.
 Depth to Water: 25.19 ft.
14.85 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer: X
 Stainless Steel Bailer: _____
 Stack Pump: _____
 Peristaltic Pump: _____
 QED Bladder Pump: _____
 Other: _____

Sampling Equipment:

Disposable Bailer: _____
 Pressure Bailer: _____
 Metal Filters: _____
 Peristaltic Pump: _____
 QED Bladder Pump: _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: 6/22/16
 Approx. Flow Rate: 0.5 mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: Sunny
 Water Color: CLEAR Odor: Y/N
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	<u>3.67</u>	<u>2.9</u>	<u>25.19</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-GxBTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA / M10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-21
 Well Diameter: 214 in.
 Total Depth: 39.93 ft.
 Depth to Water: 30.19 ft.
9.74 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 23.59 ft
 Depth to Water: 30.19 ft
 Hydrocarbon Thickness: 6.60 ft
 Visual Confirmation/Description:
show only
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml/ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, ~~1000~~ SP14

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-22
 Well Diameter: (2) 4 in.
 Total Depth: 41.17 ft.
 Depth to Water: 23.83 ft.
17.34 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 8 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: 6/22/16
 Approx. Flow Rate: _____ mlpm
 Did well de-water? ✓ If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: Y/N
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	3.16	2.6	23.83
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA / M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 6/22-23/16 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-23
 Well Diameter: 21.4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 23.65 ft.
14.55 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump E
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0440 Weather Conditions: Sunny
 Sample Time/Date: 0525/6/23/16 Water Color: CLEAR Odor: YN
 Approx. Flow Rate: 700 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23.69

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / cm) (µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0458</u>	<u>3.6</u>	<u>7.70</u>	<u>0.634</u>	<u>15.69</u>	<u>6.05</u>	<u>1.4</u>	<u>23.69</u>
<u>0501</u>	<u>4.2</u>	<u>7.64</u>	<u>0.627</u>	<u>15.12</u>	<u>6.11</u>	<u>0.9</u>	<u>23.69</u>
<u>0504</u>	<u>4.8</u>	<u>7.62</u>	<u>0.620</u>	<u>15.60</u>	<u>6.24</u>	<u>0.6</u>	<u>23.69</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>3</u> x vov vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x vov vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 F8-B ₁ 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x vov vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 26.00ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: Gur

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 31.54 ft.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____
 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 31.28 ft
 Depth to Water: 31.54 ft
 Hydrocarbon Thickness: .26 ft
 Visual Confirmation/Description:
Brown & Grey
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____
 Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M16

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-27
 Well Diameter: 2 1/4 in.
 Total Depth: 40.64 ft.
 Depth to Water: 31.06 ft.
8.98 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 25.11 ft
 Depth to Water: 31.06 ft
 Hydrocarbon Thickness: 5.95 ft
 Visual Confirmation/Description:
DOWN 014
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N _____
 Sediment Description: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Cheilan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-28
 Well Diameter: 2 1/4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 20.34 ft.
17.98 xVF = _____

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____
 x3 case volume = Estimated Purge Volume: _____ gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0650
 Sample Time/Date: 0755 / 6/23/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? no If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLOUDY Odor: CSN SLIGHT
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 20.41

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\mu\text{S}$ / $\mu\text{mhos}/\text{cm}$)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0708</u>	<u>3.6</u>	<u>7.69</u>	<u>6.794</u>	<u>16.16</u>	<u>6.01</u>	<u>1.9</u>	<u>20.40</u>
<u>0711</u>	<u>4.2</u>	<u>7.65</u>	<u>0.765</u>	<u>16.12</u>	<u>6.07</u>	<u>2.4</u>	<u>20.40</u>
<u>0714</u>	<u>4.8</u>	<u>2.62</u>	<u>0.761</u>	<u>16.09</u>	<u>6.10</u>	<u>2.6</u>	<u>20.41</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: ~ 23.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: GM

Well ID: MW-30
 Well Diameter: 21.4 in.
 Total Depth: 94.41 ft.
 Depth to Water: 68.34 ft.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

26.07 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1505
 Sample Time/Date: 1545/6/22/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? no If yes, Time: _____

Weather Conditions: Sunny
 Water Color: Clear Odor: Y10
 Sediment Description: none
 Volume: _____ ltrs DTW @ Sampling: 68.34

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{cm}$)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1523</u>	<u>3.6</u>	<u>7.89</u>	<u>0.145</u>	<u>16.33</u>	<u>3.01</u>	<u>21.9</u>	<u>68.34</u>
<u>1526</u>	<u>4.2</u>	<u>7.85</u>	<u>0.146</u>	<u>16.30</u>	<u>3.09</u>	<u>22.1</u>	<u>68.34</u>
<u>1529</u>	<u>4.8</u>	<u>7.82</u>	<u>0.147</u>	<u>16.27</u>	<u>3.12</u>	<u>22.8</u>	<u>68.34</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>1</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>1</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>2</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>2</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>2</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>2</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: 70.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22.23/16 (inclusive)
 Sampler: GM

Well ID: MW-31
 Well Diameter: 21.4 in.
 Total Depth: 92.34 ft.
 Depth to Water: 66.73 ft.

Date Monitored: 6/22/16

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:
 xVF = x3 case volume = Estimated Purge Volume: gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0.5 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1600 Weather Conditions: Sunny
 Sample Time/Date: 1640 6/22/16 Water Color: clear Odor: Y 100
 Approx. Flow Rate: 200 mlpm Sediment Description: none
 Did well de-water? no If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 66.73

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1618</u>	<u>3.6</u>	<u>7.59</u>	<u>0.184</u>	<u>16.72</u>	<u>5.84</u>	<u>22.9</u>	<u>66.73</u>
<u>1621</u>	<u>4.2</u>	<u>7.57</u>	<u>0.179</u>	<u>16.69</u>	<u>5.91</u>	<u>22.5</u>	<u>66.73</u>
<u>1624</u>	<u>4.8</u>	<u>7.56</u>	<u>0.176</u>	<u>16.65</u>	<u>5.96</u>	<u>22.1</u>	<u>66.73</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: 70.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/10 (inclusive)
 Sampler: GM

Well ID: MW-36
 Well Diameter: 3/4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 31.66 ft.
17.83 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/22/10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>21.60</u> ft
Depth to Water:	<u>31.66</u> ft
Hydrocarbon Thickness:	<u>0.06</u> ft
Visual Confirmation/Description:	<u>None</u>
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)

COMMENTS: Depth Pump Set At: NA, M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 6/22-23/16 (inclusive)
 Sampler: Gar

Well ID: MW-37
 Well Diameter: 2 1/4 in.
 Total Depth: 97.03 ft.
 Depth to Water: 69.31 ft.
23.72 xVF = _____

Date Monitored: 6/22/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____
 x3 case volume = Estimated Purge Volume: _____ gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1655 Weather Conditions: Sunny
 Sample Time/Date: 1735 / 6/22/16 Water Color: Clear Odor: Y10
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 69.31

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1713</u>	<u>3.6</u>	<u>7.69</u>	<u>0.331</u>	<u>16.83</u>	<u>5.69</u>	<u>-2.2</u>	<u>69.31</u>
<u>1716</u>	<u>4.2</u>	<u>7.66</u>	<u>0.327</u>	<u>16.80</u>	<u>5.70</u>	<u>-2.1</u>	<u>69.31</u>
<u>1719</u>	<u>4.8</u>	<u>7.64</u>	<u>0.322</u>	<u>16.79</u>	<u>5.75</u>	<u>-1.9</u>	<u>69.31</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Gx/BTEX(8021)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx w/sgc COLUMN</u>
	<u>x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>NWTPH-Dx</u>
	<u>x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>LANCASTER</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>METHANE(RSKOP-175M)</u>

COMMENTS: Depth Pump Set At: = 75.22 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks						
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shroder Consultant/Office Gettier-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. MEDINA				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil				Total Number of Containers _____ BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan _____ Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> COLUMN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____ FERROUS IRON (SM20 3500 Fe-B117A) <input checked="" type="checkbox"/> DISSOLVED MANGANESE (6010B) <input checked="" type="checkbox"/> ALKALINITY (8220 B-1991) <input checked="" type="checkbox"/> NITRATE/SULFATE (EPA 3000) <input checked="" type="checkbox"/>												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits						
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	6 Remarks	
Date	Time	Grab	Composite																						Soil	Water
MW-6	11/06/23	1315	X																							DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.
MW-7		1210	X																							
MW-8		1105	X																							
MW-15		0630	X																							
MW-17		0855	X																							
MW-18		1000	X																							
MW-23		0525	X																							
MW-28		0755	X																							
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by <i>[Signature]</i> Date 6/23/16 Time _____ Relinquished by _____ Date _____ Time _____				Received by _____ Date _____ Time _____ Received by _____ Date _____ Time _____				9														
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)		EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____				Received by _____ Date _____ Time _____				Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No														

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested						
Facility # SS#9-6590-OML G-R#386610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air	Total Number of Containers BTEX + MTBE <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> COLUMN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/>	WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/>	METHANE (RSD of -175M)						
Site Address 232 East Woodin Avenue, CHELAN, WA												
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire												
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568												
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)												
Consultant Phone # (925) 551-7444 x180												
Sampler G MEDINA												

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

2 Sample Identification	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	METHANE (RSD of -175M)	
	Date	Time																					
QA	6/20/22	—	X					2	X				X										
DUP	23	—	X					5					X										
MW-5	22	1830						3					X										
MW-6	23	1315						3					X									X	
MW-7		1210																					
MW-8		1105																					
MW-15		12630																					
MW-17		0855																					
MW-18		1000																					
MW-23		0525																					
MW-28		0755																					
MW-30	22	1545						5															
MW-31		1640																					

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
 72 hour 48 hour **EDF/EDD**
 24 hour

Relinquished by <i>[Signature]</i>	Date 6/27/16	Time 1230	Received by <i>[Signature]</i>	Date 6/27/16	Time 1230
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**
 Type VI (Raw Data) CVX-RTBU-FL_05 (default)
 Other: _____

Relinquished by Commercial Carrier: Received by

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested																																				
Facility # SS#9-6590-OML G-R#386610 WBS			Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>	Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>	Total Number of Containers BTEX <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/>	Oxygenates <input type="checkbox"/>	Naphth <input type="checkbox"/>	NWTPH-Gx <input type="checkbox"/>	NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/>	NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/>	WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/>	Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/>	SCR.#: _____	Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. MEDINA																												
2 Sample Identification		3 Collected												Grab <input type="checkbox"/> Composite <input type="checkbox"/>	Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>	Total Number of Containers BTEX <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/>	Oxygenates <input type="checkbox"/>	Naphth <input type="checkbox"/>	NWTPH-Gx <input type="checkbox"/>	NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/>	NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/>	WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/>	Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/>	SCR.#: _____																		
Date	Time	Grab																							Composite	Soil	Water	Oil	BTEX	8021	8260	Oxygenates	Naphth	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
MW-37														160622	1735	X																										

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day **EDF/EDD**
 72 hour 48 hour 24 hour

Relinquished by <i>[Signature]</i>	Date 6/27/16	Time 1230	Received by <i>[Signature]</i>	Date 6/27/16	Time 12:30
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**
 Type VI (Raw Data) CVX-RTBU-FL_05 (default)
 Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No



GETTLER-RYAN INC.



TRANSMITTAL

September 22, 2016

G-R #386610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station
#9-6590
232 Woodin Avenue
Chelan, Washington**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Third Quarter Event of September 11 & 12, 2016

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#: Chevron #9-6590	Date: 9/11-12/16
Address: 232 Woodin Avenue	
City/St.: Chelan, WA	
Status of Site: ACTIVE STATION / STREET.	

DRUMS:

Please list below ALL DRUMS on site:

(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
1	55 gallon drum	GOOD	Y	80%	behind Station

WELLS:

Please check the condition of ALL WELLS on site:

(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	NA	NA	NO	NO	DLW 12/8	
MW-5	OK	OK			MARUS 8/2	
MW-6	↓	↓	↓	↓	↓	3
MW-7						↓
MW-8						2
MW-9						↓
MW-10						3
MW-12						
MW-15						
MW-16						
MW-17						
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						↓
MW-25						12/2
MW-27						8/3
MW-28						
MW-30						
MW-31						
MW-36						
MW-37	↓					

Additional Comments/Observations:

Was the fence for the compound locked? Y / N

Was the drum storage locker locked and secure? Y / N

Is the signage on the fence present and legible? Y / N

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/10 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 214 in.
 Total Depth: 27.60 ft.
 Depth to Water: 20.64 ft.
2.96 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: NA M10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/12/16 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 21.4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 20.31 ft.
14.54 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 9/12/16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0447 Weather Conditions: Clear
 Sample Time/Date: 0535 9/12/16 Water Color: TAN Odor: YN
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.31

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0505</u>	<u>3.6</u>	<u>6.80</u>	<u>1.630</u>	<u>15.00</u>	<u>7.19</u>	<u>-6.7</u>	<u>20.31</u>
<u>0508</u>	<u>4.3</u>	<u>6.79</u>	<u>1.622</u>	<u>14.92</u>	<u>7.15</u>	<u>-5.9</u>	<u>20.71</u>
<u>0511</u>	<u>4.8</u>	<u>6.77</u>	<u>1.619</u>	<u>14.89</u>	<u>7.12</u>	<u>-5.1</u>	<u>20.71</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u> </u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u> </u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u> </u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u> </u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u> </u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u> </u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.00ft.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 9/11-12/16 (inclusive)
 City: Chelan, WA Sampler: Gm

Well ID: MW-6 Date Monitored: 9/11/16
 Well Diameter: 204 in.
 Total Depth: 35.81 ft.
 Depth to Water: 24.63 ft. Check if water column is less than 0.50 ft.
11.18 xVF = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW):

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	_____	ft
Depth to Water:	_____	ft
Hydrocarbon Thickness:	<u> </u>	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): 0552 Weather Conditions: Cloudy
 Sample Time/Date: 0645 9/12/16 Water Color: Cloudy Odor: YIN
 Approx. Flow Rate: 200 mlpm Sediment Description: SLT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.68

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0610</u>	<u>3.6</u>	<u>6.94</u>	<u>1.122</u>	<u>14.94</u>	<u>3.00</u>	<u>-27.9</u>	<u>24.67</u>
<u>0613</u>	<u>4.2</u>	<u>6.92</u>	<u>1.120</u>	<u>14.93</u>	<u>3.01</u>	<u>-28.0</u>	<u>24.67</u>
<u>0616</u>	<u>4.8</u>	<u>6.91</u>	<u>1.116</u>	<u>14.92</u>	<u>3.05</u>	<u>-28.2</u>	<u>24.68</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 26.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/14 (inclusive)
 Sampler: GM

Well ID: MW-7
 Well Diameter: 21.4 in.
 Total Depth: 34.91 ft.
 Depth to Water: 23.38 ft.
11.53 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/14

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0805 Weather Conditions: Sunny
 Sample Time/Date: 0855 9/12/14 Water Color: Clear Odor: Ø STRONG
 Approx. Flow Rate: 200 mlpm Sediment Description: SLT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 28.43

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / (mS) µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0823</u>	<u>3.6</u>	<u>7.01</u>	<u>1.110</u>	<u>17.21</u>	<u>2.78</u>	<u>-21.6</u>	<u>23.42</u>
<u>0826</u>	<u>4.2</u>	<u>6.99</u>	<u>1.106</u>	<u>17.19</u>	<u>2.20</u>	<u>-21.5</u>	<u>23.43</u>
<u>0829</u>	<u>4.8</u>	<u>6.97</u>	<u>1.104</u>	<u>17.17</u>	<u>2.21</u>	<u>-21.4</u>	<u>23.43</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 25.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/16 (inclusive)
 Sampler: Gm

Well ID: MW-8
 Well Diameter: 2 1/4 in.
 Total Depth: 34.96 ft.
 Depth to Water: 20.71 ft.
14.25 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0700 Weather Conditions: Sunny
 Sample Time/Date: 0750 / 9/12/16 Water Color: Brown Odor: YIN
 Approx. Flow Rate: 200 mlpm Sediment Description: CL SLT
 Did well de-water? No If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.75

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / cm / umhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0719</u>	<u>3.6</u>	<u>6.85</u>	<u>1.709</u>	<u>16.56</u>	<u>4.29</u>	<u>-16.9</u>	<u>20.75</u>
<u>0721</u>	<u>4.2</u>	<u>6.84</u>	<u>1.707</u>	<u>16.52</u>	<u>4.30</u>	<u>-16.7</u>	<u>20.75</u>
<u>0724</u>	<u>4.8</u>	<u>6.83</u>	<u>1.705</u>	<u>16.50</u>	<u>4.32</u>	<u>-16.5</u>	<u>20.75</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>3</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/10/11-12/10 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 204 in.
 Total Depth: 40.49 ft.
 Depth to Water: 37.76 ft.
2.73 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/11

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 37.76 ft
 Depth to Water: 37.81 ft
 Hydrocarbon Thickness: 8.95 ft
 Visual Confirmation/Description: Brown oily
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/10 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: 214 in.
 Total Depth: 37-86 ft.
 Depth to Water: 27-62 ft.
10.24 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/10

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>27.61</u>	ft
Depth to Water:	<u>27.62</u>	ft
Hydrocarbon Thickness:	<u>3.01</u>	ft
Visual Confirmation/Description:	<u>Brown / oily</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x 1/2 vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1/2 vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 1/2 vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x 1/2 vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/0



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/06 (inclusive)
 Sampler: GM

Well ID: MW-12
 Well Diameter: 2.14 in.
 Total Depth: 37.01 ft.
 Depth to Water: 24.06 ft.
12.95 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/06

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>21.21</u>	ft
Depth to Water:	<u>24.06</u>	ft
Hydrocarbon Thickness:	<u>2.85</u>	ft
Visual Confirmation/Description:	<u>Blow n Dily</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE(SULFATE)(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: NA n/b



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 9/11-12/16 (inclusive)
 City: Chelan, WA Sampler: Gm

Well ID: MW-15 Date Monitored: 9/11/16
 Well Diameter: 214 in.
 Total Depth: 29.98 ft.
 Depth to Water: 24.62 ft. Check if water column is less than 0.50 ft.
15.30 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>✓</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0910 Weather Conditions: Cloudy
 Sample Time/Date: 1010 9/12/16 Water Color: Cloudy Odor: OPN ST Power: _____
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? No If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.62

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0928</u>	<u>3.6</u>	<u>6.90</u>	<u>1647</u>	<u>16.5</u>	<u>2.05</u>	<u>-35.2</u>	<u>24.66</u>
<u>0931</u>	<u>4.2</u>	<u>6.89</u>	<u>1645</u>	<u>16.49</u>	<u>2.08</u>	<u>-36.0</u>	<u>24.62</u>
<u>0934</u>	<u>4.8</u>	<u>6.87</u>	<u>1644</u>	<u>16.47</u>	<u>2.09</u>	<u>-36.1</u>	<u>24.62</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>6</u> x vov vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x vov vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x vov vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~26.00ft.

DUPLICATE SAMPLE COLLECTED FROM THIS WELL, LABELED "DUP"

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-12/10 (inclusive)
 Sampler: GM

Well ID: MW-16
 Well Diameter: 214 in.
 Total Depth: 50.02 ft.
 Depth to Water: 47.75 ft.
2.27 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9/11/10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 35.70 ft
 Depth to Water: 47.75 ft
 Hydrocarbon Thickness: 12.05 ft
 Visual Confirmation/Description:
Brown oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AN

Well ID: MW-17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 20.71 ft.
17.69 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0745
 Sample Time/Date: 0835 9-12-16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____ Volume: _____

Weather Conditions: Sunny
 Water Color: Cloudy Odor: None / Slight
 Sediment Description: Cloudy
 ltrs DTW @ Sampling: 20.86

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0803</u>	<u>3.6</u>	<u>7.53</u>	<u>405</u>	<u>16.86</u>	<u>1.23</u>	<u>217</u>	<u>20.77</u>
<u>0806</u>	<u>4.2</u>	<u>7.49</u>	<u>503</u>	<u>16.90</u>	<u>1.27</u>	<u>222</u>	<u>20.81</u>
<u>0809</u>	<u>4.8</u>	<u>7.46</u>	<u>511</u>	<u>16.94</u>	<u>1.30</u>	<u>224</u>	<u>20.86</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-18
 Well Diameter: 21.4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 20.44 ft.
(8.6) xVF = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters ✓
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0845 Weather Conditions: Sunny
 Sample Time/Date: 0935 9-12-16 Water Color: Cloudy Odor: Y 1/16
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.58

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0903</u>	<u>3.6</u>	<u>7.75</u>	<u>414</u>	<u>16.56</u>	<u>1.29</u>	<u>211</u>	<u>20.50</u>
<u>0906</u>	<u>4.2</u>	<u>7.71</u>	<u>422</u>	<u>16.61</u>	<u>1.33</u>	<u>214</u>	<u>20.53</u>
<u>0909</u>	<u>4.8</u>	<u>7.69</u>	<u>430</u>	<u>16.67</u>	<u>1.38</u>	<u>220</u>	<u>20.55</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~22.5ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-19
 Well Diameter: 214 in.
 Total Depth: 40.04 ft.
 Depth to Water: 23.96 ft.
16.08 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 9/11-9/12/16 (inclusive)
 City: Chelan, WA Sampler: AW

Well ID: MW-21 Date Monitored: 9-11-16
 Well Diameter: 20.4 in.
 Total Depth: 39.93 ft.
 Depth to Water: 36.55 ft. Check if water column is less than 0.50 ft.
3.38 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>21.69</u>	ft
Depth to Water:	<u>36.55</u>	ft
Hydrocarbon Thickness:	<u>14.86</u>	ft
Visual Confirmation/Description:	<u>Light / Clear</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: SpH - No sample taken.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-22
 Well Diameter: 214 in.
 Total Depth: 41.17 ft.
 Depth to Water: 22.62 ft.
18.55 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AV

Well ID: MW-23

Date Monitored: 9-11-16

Well Diameter: 2 1/4 in.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Total Depth: 38.20 ft.

Depth to Water: 22.30 ft.

Check if water column is less than 0.50 ft.

15.90 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters ✓
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0545

Weather Conditions: dawn

Sample Time/Date: 0635 / 9-12-16

Water Color: Cloudy Odor: Y 10

Approx. Flow Rate: 200 mlpm

Sediment Description: Cloudy

Did well de-water? ✓ If yes, Time: _____

Volume: _____ ltrs DTW @ Sampling: 22.44

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0603</u>	<u>3.6</u>	<u>7.56</u>	<u>345</u>	<u>13.99</u>	<u>1.31</u>	<u>208</u>	<u>22.36</u>
<u>0606</u>	<u>4.2</u>	<u>7.59</u>	<u>358</u>	<u>14.03</u>	<u>1.34</u>	<u>220</u>	<u>22.40</u>
<u>0609</u>	<u>4.8</u>	<u>7.62</u>	<u>365</u>	<u>14.09</u>	<u>1.39</u>	<u>220</u>	<u>22.44</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~24.5 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 30.10 ft.
26.40 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 29.88 ft
 Depth to Water: 30.10 ft
 Hydrocarbon Thickness: 0.27 ft
 Visual Confirmation/Description:
Light oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: M/O SPH



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-27
 Well Diameter: 21.4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 33.74 ft.
6.30 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 23.82 ft
 Depth to Water: 33.74 ft
 Hydrocarbon Thickness: 9.86 ft
 Visual Confirmation/Description: Light, clear
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: 9PH - No sample taken.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11 - 9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-28
 Well Diameter: (2) 4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 20.15 ft.
18.17 x VF = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters ✓
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0645 Weather Conditions: Sunny
 Sample Time/Date: 0735 9-12-16 Water Color: Cloudy Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? ✓ If yes, Time: Volume: ltrs DTW @ Sampling: 20.30

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0703</u>	<u>3.6</u>	<u>7.76</u>	<u>425</u>	<u>15.44</u>	<u>1.15</u>	<u>214</u>	<u>20.21</u>
<u>0706</u>	<u>4.2</u>	<u>7.71</u>	<u>420</u>	<u>15.49</u>	<u>1.21</u>	<u>220</u>	<u>20.26</u>
<u>0709</u>	<u>4.8</u>	<u>7.69</u>	<u>415</u>	<u>15.52</u>	<u>1.22</u>	<u>226</u>	<u>20.30</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~22.0ft.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11 - 9/12/16 (inclusive)
 Sampler: AW

Well ID: MW-30
 Well Diameter: 2 1/4 in.
 Total Depth: 94.41 ft.
 Depth to Water: 64.53 ft.

Date Monitored: 9-11-16

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

29.88 xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters W
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0350 Weather Conditions: Dark
 Sample Time/Date: 0435 / 9-12-16 Water Color: Clear Odor: Y 100
 Approx. Flow Rate: 200 mlpm Sediment Description: Clear
 Did well de-water? Y If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 64.71

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0408</u>	<u>3.6</u>	<u>7.69</u>	<u>146</u>	<u>14.18</u>	<u>1.19</u>	<u>195</u>	<u>64.59</u>
<u>0411</u>	<u>4.2</u>	<u>7.91</u>	<u>151</u>	<u>14.21</u>	<u>1.21</u>	<u>199</u>	<u>64.65</u>
<u>0414</u>	<u>4.8</u>	<u>7.93</u>	<u>159</u>	<u>14.23</u>	<u>1.22</u>	<u>208</u>	<u>64.71</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 66.5 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/12/16 (inclusive)
 Sampler: RAW

Well ID: MW-31
 Well Diameter: 21.4 in.
 Total Depth: 92.34 ft.
 Depth to Water: 62.90 ft.
29.44 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0450 Weather Conditions: Dark
 Sample Time/Date: 0535 / 9-12-16 Water Color: Cloudy Odor: Y / 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? ✓ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 63.02

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0508</u>	<u>3.6</u>	<u>7.82</u>	<u>120</u>	<u>15.31</u>	<u>1.31</u>	<u>209</u>	<u>62.94</u>
<u>0511</u>	<u>4.2</u>	<u>7.80</u>	<u>124</u>	<u>15.34</u>	<u>1.29</u>	<u>200</u>	<u>62.99</u>
<u>0514</u>	<u>4.8</u>	<u>7.76</u>	<u>127</u>	<u>15.39</u>	<u>1.27</u>	<u>200</u>	<u>63.02</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ~65.0 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 386610
 Event Date: 9/11-9/2/16 (inclusive)
 Sampler: JW

Well ID: MW-36
 Well Diameter: 214 in.
 Total Depth: 49.49 ft.
 Depth to Water: 29.97 ft.
19.52 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 9-11-16

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	_____	ft
Depth to Water:	_____	ft
Hydrocarbon Thickness:	_____	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 386610
 Site Address: 232 Woodin Avenue Event Date: 9/11-12/14 (inclusive)
 City: Chelan, WA Sampler: Gm

Well ID: MW-37 Date Monitored: 9/11/14
 Well Diameter: 214 in.
 Total Depth: 93.03 ft.
 Depth to Water: 65.56 ft. Check if water column is less than 0.50 ft.
27.47 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	_____	ft
Depth to Water:	_____	ft
Hydrocarbon Thickness:	<u>Ø</u>	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): 0345 Weather Conditions: CLEAR
 Sample Time/Date: 0430 / 9/12/14 Water Color: 2200 Odor: YIN
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 65.56

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0403</u>	<u>3.6</u>	<u>7.45</u>	<u>0.250</u>	<u>14.52</u>	<u>7.41</u>	<u>-42.0</u>	<u>65.56</u>
<u>0406</u>	<u>4.2</u>	<u>7.48</u>	<u>0.251</u>	<u>14.49</u>	<u>7.40</u>	<u>-41.5</u>	<u>65.56</u>
<u>0409</u>	<u>4.8</u>	<u>7.48</u>	<u>0.254</u>	<u>14.42</u>	<u>7.42</u>	<u>-41.3</u>	<u>65.56</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc COLUMN
	<u>1</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	<u>1</u> x voa vial	YES	NP	LANCASTER	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	LANCASTER	FEROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	LANCASTER	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	LANCASTER	DISSOLVED MANGANESE(6010B)
	<u>1</u> x voa vial	YES	HCL	LANCASTER	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	LANCASTER	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 67.05 ft.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks										
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. Medina / A. Wong			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (RSKOP-175M) DISSOLVED MANGANESE (6010B) ALKALINITY EDC 8260 / EDB 801										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	Lead	Total	Diss.	Method	METHANE (RSKOP-175M)	DISSOLVED MANGANESE (6010B)	ALKALINITY	EDC 8260 / EDB 801	6 Remarks	
Date	Time																									
QA	160912			X					2	X			X													DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED. - add EDB JMW 9/19/16
MW-5		0535												X	X							X	X	X		
MW-6		0645																								
MW-7		0855																								
MW-8		0750																								
MW-15		1010																								
MW-17		0835																								
MW-18		0935																								
MW-23		0635																								
MW-28		0735																								
MW-30		0435																								
MW-31		0535																								
MW-37		0430																								
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by <i>[Signature]</i>		Date 9/12/16		Time 1345		Received by <i>[Signature]</i>		Date 9/12/16		Time 14:00												
				Relinquished by		Date		Time		Received by		Date		Time												
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____		Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____						Received by _____		Date _____ Time _____												
				Temperature Upon Receipt _____ °C						Custody Seals Intact? Yes No																

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested					
Facility # SS#9-6590-OML G-R#386610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air	Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method	SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits						
Site Address 232 East Woodin Avenue, CHELAN, WA											
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire											
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568											
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)											
Consultant Phone # (925) 551-7444 x180											
Sampler G. MEDINA / A. WONG			3 Composite								

2 Sample Identification	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	NITRATE/SULFATE (EA 300.0)	FERROUS IRON (SM70 350 to B 107)	EDC (B011) / EDC 0260	Remarks	
	Date	Time																										
MW-6	160912	0645	✓																						X	X	X	
MW-7		0855																										
MW-8		0250																										
MW-15		1010																										
MW-17		0835																										
MW-18		0935																										
MW-23		0635																										
MW-28		0735	✓																									

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
 72 hour 48 hour **EDF/EDD** 24 hour

Relinquished by <i>[Signature]</i>	Date 9/12/16	Time	Received by	Date	Time	9
Relinquished by	Date	Time	Received by	Date	Time	

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**
 Type VI (Raw Data) CVX-RTBU-FL_05 (default)
 Other: _____

Relinquished by Commercial Carrier: Received by

UPS FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

- add EDC
[Signature] 9/19/16

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested																
Facility # SS#9-6590-OML G-R#386610 WBS				Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/>	Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/>	SCR #: _____																		
Site Address 232 East Woodin Avenue, CHELAN, WA						<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits																		
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire																								
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568																								
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)																								
Consultant Phone # (925) 551-7444 x180																								
Sampler G. Medina / A. Wong																								
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
Date	Time	Grab	Composite																					
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
Date	Time	Grab	Composite																					
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
Date	Time	Grab	Composite																					

SCR #: _____

Results in Dry Weight
 J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
 8021 MTBE Confirmation
 Confirm MTBE + Naphthalene
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run _____ oxy's on highest hit
 Run _____ oxy's on all hits

2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
Date	Time	Grab	Composite																					
DUP	1/6/09 12	-	X		W		10	X					X			X								

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
 72 hour 48 hour **EDF/EDD** 24 hour

Relinquished by	Date 9/12/10	Time 1345	Received by	Date 9/12/10	Time 14:00
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**
 Type VI (Raw Data) CVX-RTBU-FL_05 (default)
 Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No



GETTLER-RYAN INC.



TRANSMITTAL

March 24, 2017
G-R #17156610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station**
#9-6590
232 Woodin Avenue
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package First Quarter Event of March 19 & 20, 2017

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	Chevron #9-6590	Date:	3/19 - 3/20/17
Address:	232 Woodin Avenue		
City/St.:	Chelan, WA		
Status of Site:	Active Chevron		

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
1	55 gal drum	Good	Y	80%	behind station

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	N/A	N/A	N	N	OPW / 12" / 8	
MW-5	OK	OK			OPW 18" / 2	
MW-6						3
MW-7						3
MW-8						2
MW-9						2
MW-10						3
MW-12						
MW-15						
MW-16						
MW-17						
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						
MW-25						
MW-27						
MW-28						
MW-30						
MW-31						
MW-36						
MW-37						
MW-38						
MW-39						

Additional Comments/Observations:

Was the fence for the compound locked? (Y)N

Was the drum storage locker locked and secure? (Y)N

Is the signage on the fence present and legible? (Y)N

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet. Total well depths are measured annually.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: JW

Well ID: MW-2
 Well Diameter: 2.14 in.
 Total Depth: 23.60 ft.
 Depth to Water: 22.87 ft.
0.73 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 2.4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 19.99 ft.
14.86 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump ✓
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0430 Weather Conditions: COLD
 Sample Time/Date: 0510 3/20/17 Water Color: Brown Odor: Y/N
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.02

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°C/°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0448</u>	<u>3.6</u>	<u>7.05</u>	<u>1389</u>	<u>10.2</u>	<u>1.20</u>	<u>-19</u>	<u>20.01</u>
<u>0451</u>	<u>4.2</u>	<u>7.04</u>	<u>1390</u>	<u>10.1</u>	<u>1.21</u>	<u>-19</u>	<u>20.02</u>
<u>0454</u>	<u>4.8</u>	<u>7.02</u>	<u>1392</u>	<u>10.4</u>	<u>1.22</u>	<u>-18</u>	<u>20.02</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>1</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>1</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) <u>TOTAL</u>
	<u>1</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 23.02ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-6
 Well Diameter: 2.25 in.
 Total Depth: 35.81 ft.
 Depth to Water: 23.59 ft.
12.22 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0647
 Sample Time/Date: 0745/3/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: COLD
 Water Color: CLOUDY Odor: ODN MODERATE
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 23.65

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μ S/mS μ mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0705</u>	<u>3.6</u>	<u>7.10</u>	<u>1264</u>	<u>10.4</u>	<u>1.27</u>	<u>-9</u>	<u>23.64</u>
<u>0708</u>	<u>4.2</u>	<u>7.09</u>	<u>1261</u>	<u>10.2</u>	<u>1.29</u>	<u>-8</u>	<u>23.64</u>
<u>0711</u>	<u>4.8</u>	<u>7.09</u>	<u>1258</u>	<u>10.1</u>	<u>1.26</u>	<u>-7</u>	<u>23.65</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>2</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: \approx 2600 Ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-7
 Well Diameter: (2) 4 in.
 Total Depth: 34.93 ft.
 Depth to Water: 22.70 ft.
12.23 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0800
 Sample Time/Date: 0855 / 3/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: COLD
 Water Color: CLOUDY Odor: ØDN STRONG
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 22.77

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0818</u>	<u>3.6</u>	<u>7.11</u>	<u>1580</u>	<u>10.4</u>	<u>1.08</u>	<u>-5</u>	<u>22.77</u>
<u>0821</u>	<u>4.2</u>	<u>7.14</u>	<u>1582</u>	<u>10.5</u>	<u>1.08</u>	<u>-5</u>	<u>22.77</u>
<u>0824</u>	<u>4.8</u>	<u>7.15</u>	<u>1588</u>	<u>10.6</u>	<u>1.09</u>	<u>-4</u>	<u>22.77</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>2</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 25.00ft. SHEEN ON H2O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-8
 Well Diameter: 2.4 in.
 Total Depth: 34.98 ft.
 Depth to Water: 20.46 ft.
14.52 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>✓</u>
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0535
 Sample Time/Date: 0630 13/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? no If yes, Time: _____

Weather Conditions: COLD
 Water Color: BROWN Odor: YDN SLIGHT
 Sediment Description: SLT
 Volume: _____ ltrs DTW @ Sampling: 20.50

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS) (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0553</u>	<u>3.6</u>	<u>7.27</u>	<u>1270</u>	<u>10.0</u>	<u>1.20</u>	<u>-5</u>	<u>20.49</u>
<u>0556</u>	<u>4.2</u>	<u>7.31</u>	<u>1271</u>	<u>10.0</u>	<u>1.19</u>	<u>.4</u>	<u>20.49</u>
<u>0559</u>	<u>4.8</u>	<u>7.29</u>	<u>1275</u>	<u>10.0</u>	<u>1.21</u>	<u>-2</u>	<u>20.50</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>5</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>5</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) <u>TOTAL</u>
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.50ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: (2) 1/4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 33.54 ft.
6.95 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 28.18 ft
 Depth to Water: 33.54 ft
 Hydrocarbon Thickness: 5.36 ft
 Visual Confirmation/Description:
LT BROWN OILY
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M10
SPH PRESENT

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: 2.24 in.
 Total Depth: 37.86 ft.
 Depth to Water: 27.19 ft.
10.67 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>24.17</u> ft
Depth to Water:	<u>27.19</u> ft
Hydrocarbon Thickness:	<u>3.02</u> ft
Visual Confirmation/Description:	<u>LT Brown only</u>
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: WA M10
SAT PRESENT

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-12

Date Monitored: 3/19/17

Well Diameter: 2.4 in.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Total Depth: 37.01 ft.

Depth to Water: 24.44 ft.

Check if water column is less than 0.50 ft.

12.57 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 20.31 ft
 Depth to Water: 24.44 ft
 Hydrocarbon Thickness: 4.13 ft
 Visual Confirmation/Description: LT Brown only
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____

Weather Conditions: _____

Sample Time/Date: _____ / _____

Water Color: _____ Odor: Y / N

Approx. Flow Rate: _____ mlpm

Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	# CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/D
SPH PRESENT

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-15
 Well Diameter: 2.4 in.
 Total Depth: 39.99 ft.
 Depth to Water: 23.50 ft.
16.49 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters T
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: Ø
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0917
 Sample Time/Date: 10:15 / 3/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? No If yes, Time: _____

Weather Conditions: CLOUD
 Water Color: CLOUDY Odor: ODIN SLIGHT
 Sediment Description: SLIME
 Volume: _____ ltrs DTW @ Sampling: 23.5B

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0935</u>	<u>3.6</u>	<u>8.10</u>	<u>676</u>	<u>11.1</u>	<u>0.98</u>	<u>15</u>	<u>23.57</u>
<u>0938</u>	<u>4.2</u>	<u>8.09</u>	<u>677</u>	<u>11.2</u>	<u>0.99</u>	<u>14</u>	<u>27.58</u>
<u>0941</u>	<u>4.8</u>	<u>8.08</u>	<u>679</u>	<u>11.2</u>	<u>1.01</u>	<u>15</u>	<u>23.58</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>x</u> 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>2</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 25.50 ft.
Dup sample taken

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-20/17 (inclusive)
 Sampler: GM

Well ID: MW-16
 Well Diameter: 2.4 in.
 Total Depth: 50.02 ft.
 Depth to Water: 47.41 ft.
2.61 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>38.91</u>	ft
Depth to Water:	<u>47.41</u>	ft
Hydrocarbon Thickness:	<u>8.50</u>	ft
Visual Confirmation/Description:	<u>at 38.91 only</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O
SPH PRESENT

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 21.46 ft.
16.94 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters 1
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0830
 Sample Time/Date: 0930 13-20-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? If yes, Time: _____ Volume: _____

Weather Conditions: Cloudy
 Water Color: Cloudy Odor: Y 10
 Sediment Description: Cloudy
 ltrs DTW @ Sampling: 74.61

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0848	3.6	7.30	946	14.4	2.05	-152.7	21.50
0851	4.2	7.36	950	14.5	2.10	-153.0	21.55
0854	4.8	7.38	953	14.5	2.13	-153.3	21.61

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2 x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	1 x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	1 x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	1 x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	1 x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) TOTAL
	3 x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	2 x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 23.5ft.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-18
 Well Diameter: 2 1/4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 20.08 ft.
18.97 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters 1
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0945
 Sample Time/Date: 1045 13-20-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? If yes, Time: _____ Volume: _____

Weather Conditions: Cloudy
 Water Color: Cloudy Odor: Y 100
 Sediment Description: Cloudy
 ltrs DTW @ Sampling: 20.15

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1003</u>	<u>3.6</u>	<u>7.33</u>	<u>249</u>	<u>10.0</u>	<u>1.33</u>	<u>62.9</u>	<u>20.09</u>
<u>1006</u>	<u>4.2</u>	<u>7.36</u>	<u>250</u>	<u>10.2</u>	<u>1.40</u>	<u>63.3</u>	<u>20.11</u>
<u>1009</u>	<u>4.8</u>	<u>7.40</u>	<u>256</u>	<u>10.2</u>	<u>1.44</u>	<u>63.5</u>	<u>20.15</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 600ml poly	YES	HNO3	EUROFINS	LEAD(6010B) (TOTAL)
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At:

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: HW

Well ID: MW-19
 Well Diameter: 2 1/4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 22.88 ft.
17.16 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: **Y / N** _____
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-21
 Well Diameter: 2.4 in.
 Total Depth: 39.93 ft.
 Depth to Water: 34.81 ft.
5.12 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 20.85 ft
 Depth to Water: 34.81 ft
 Hydrocarbon Thickness: 13.96 ft
 Visual Confirmation/Description:
Light brown
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: SPH - No sample taken.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-22
 Well Diameter: 2.14 in.
 Total Depth: 41.16 ft.
 Depth to Water: 22.32 ft.
18.84 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-23
 Well Diameter: 2 1/4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 24.75 ft.
13.45 xVF = - = - x3 case volume = Estimated Purge Volume: - gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: -

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters 2
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0600 Weather Conditions: Cloudy
 Sample Time/Date: 0700 13-20-17 Water Color: Cloudy Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.84

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0618</u>	<u>3.6</u>	<u>7.48</u>	<u>643</u>	<u>13.3</u>	<u>4.69</u>	<u>79.3</u>	<u>24.75</u>
<u>0621</u>	<u>4.2</u>	<u>7.49</u>	<u>650</u>	<u>13.4</u>	<u>4.62</u>	<u>79.7</u>	<u>24.80</u>
<u>0624</u>	<u>4.8</u>	<u>7.53</u>	<u>655</u>	<u>13.4</u>	<u>4.60</u>	<u>80.0</u>	<u>24.84</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) LEAD(6010B) (TOTAL)
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~27.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-25
 Well Diameter: 210 in.
 Total Depth: 51.50 ft.
 Depth to Water: 29.33 ft.
22.17 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>29.19</u>	ft
Depth to Water:	<u>29.33</u>	ft
Hydrocarbon Thickness:	<u>0.14</u>	ft
Visual Confirmation/Description:	<u>Light brown</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter/ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter/ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: m/b - SPH.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-27
 Well Diameter: 2.14 in.
 Total Depth: 40.04 ft.
 Depth to Water: 33.66 ft.
6.38 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 22.85 ft
 Depth to Water: 33.66 ft
 Hydrocarbon Thickness: 10.81 ft
 Visual Confirmation/Description:
Light brown
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: SPH - No sample taken.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 3/19-3/20/17 (inclusive)
 City: Chelan, WA Sampler: AW

Well ID: MW-28 Date Monitored: 3-19-17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 19.81 ft. Check if water column is less than 0.50 ft.
18.51 xVF = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters 2
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0715 Weather Conditions: Cloudy
 Sample Time/Date: 0815 / 3-20-17 Water Color: Cloudy Odor: Y 108
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 19.95

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0733</u>	<u>3.6</u>	<u>7.54</u>	<u>781</u>	<u>14.7</u>	<u>5.84</u>	<u>71.9</u>	<u>19.86</u>
<u>0726</u>	<u>4.2</u>	<u>7.60</u>	<u>790</u>	<u>14.8</u>	<u>5.81</u>	<u>72.1</u>	<u>19.90</u>
<u>0739</u>	<u>4.8</u>	<u>7.64</u>	<u>794</u>	<u>14.8</u>	<u>5.77</u>	<u>72.5</u>	<u>19.95</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) LEAD(6010B) TOTAL
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 22.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 3/19-3/20/17 (inclusive)
Sampler: RW

Well ID: MW-30
Well Diameter: 2 1/4 in.
Total Depth: 94.40 ft.
Depth to Water: 74.04 ft.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

20.36 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters 0
Peristaltic Pump _____
QED Bladder Pump
Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0400
Sample Time/Date: 0445 / 3-20-17
Approx. Flow Rate: 200 mlpm
Did well de-water? If yes, Time: _____ Volume: _____

Weather Conditions: Cloudy / Dark
Water Color: Cloudy Odor: Y / 0
Sediment Description: Cloudy

ltrs DTW @ Sampling: 74.19

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0418</u>	<u>3.6</u>	<u>6.99</u>	<u>485</u>	<u>9.8</u>	<u>2.73</u>	<u>61.5</u>	<u>74.10</u>
<u>0421</u>	<u>4.2</u>	<u>7.03</u>	<u>490</u>	<u>9.8</u>	<u>2.70</u>	<u>61.9</u>	<u>74.15</u>
<u>0424</u>	<u>4.3</u>	<u>7.07</u>	<u>494</u>	<u>9.9</u>	<u>2.68</u>	<u>62.5</u>	<u>74.19</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B) <u>TOTAL</u>
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 760ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19 - 3/20/17 (inclusive)
 Sampler: HW

Well ID: MW-31
 Well Diameter: Ø14 in.
 Total Depth: 92.34 ft.
 Depth to Water: 72.62 ft.
19.72 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: -

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0500 Weather Conditions: Cloudy / Cold
 Sample Time/Date: 0545 / 3-20-17 Water Color: Cloudy Odor: Y / 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 72.75

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°F / °C)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0518</u>	<u>3.6</u>	<u>7.18</u>	<u>226</u>	<u>12.90</u>	<u>4.99</u>	<u>58.6</u>	<u>72.66</u>
<u>0521</u>	<u>4.2</u>	<u>7.20</u>	<u>231</u>	<u>13.0</u>	<u>4.90</u>	<u>56.9</u>	<u>72.70</u>
<u>0524</u>	<u>4.8</u>	<u>7.23</u>	<u>238</u>	<u>13.0</u>	<u>4.85</u>	<u>57.4</u>	<u>72.75</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	LEAD(6010B) (TOTAL)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~75.0ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19-3/20/17 (inclusive)
 Sampler: AW

Well ID: MW-36
 Well Diameter: (2) 4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 29.86 ft.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

19.63 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At:

N/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 3/19/17 - 3/20/17 (inclusive)
 Sampler: GM

Well ID: MW-37

Date Monitored: 3/19/17

Well Diameter: 2.4 in.

Total Depth: 93.06 ft.

Depth to Water: 74.90 ft.

18.16 xVF = _____

Check if water column is less than 0.50 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0330

Weather Conditions: COLD

Sample Time/Date: 0415 13/20/17

Water Color: CLEAR Odor: Y/N

Approx. Flow Rate: 200 mlpm

Sediment Description: NONE

Did well de-water? NO If yes, Time: _____

Volume: _____ ltrs DTW @ Sampling: 74.90

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0348</u>	<u>3.6</u>	<u>7.62</u>	<u>442</u>	<u>10.1</u>	<u>1.07</u>	<u>-31</u>	<u>74.90</u>
<u>0351</u>	<u>4.2</u>	<u>7.65</u>	<u>441</u>	<u>10.1</u>	<u>1.09</u>	<u>-30</u>	<u>74.90</u>
<u>0354</u>	<u>4.8</u>	<u>7.64</u>	<u>443</u>	<u>10.1</u>	<u>1.12</u>	<u>-29</u>	<u>74.90</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	<u>1</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	<u>1</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)-total
	<u>1</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: = 77.25ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 3/19/2017 (inclusive)
Sampler: GM

Well ID: MW-38
Well Diameter: 2 1/4 in.
Total Depth: 46.28 ft.
Depth to Water: 46.16 ft.
0.12 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
Approx. Flow Rate: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μ S / mS μ mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA INSUFFICIENT H2O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 3/19-3/20 (inclusive)
Sampler: AW

Well ID: MW-39
Well Diameter: 214 in.
Total Depth: 45.45 ft.
Depth to Water: 44.78 ft.
0.67 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 3-19-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	_____	ft
Depth to Water:	_____	ft
Hydrocarbon Thickness:	_____	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
Sample Time/Date: _____ / _____
Approx. Flow Rate: _____ mlpm
Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
Water Color: _____ Odor: Y / N
Sediment Description: _____
Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At:

Insufficient H₂O - NO sample taken.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1718772 Sample # 8892495-520
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks	
Facility # SS#9-6590-OML G-R#17156610 WBS			Soil <input type="checkbox"/> Potable <input checked="" type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>			Total Number of Containers: <u>2</u> BTEX: <u>8021</u> <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> <u>EDC (8260)</u> <u>METHANE (RSKOP-175M)</u> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <u>610B</u> DISOLVED MANGANESE (6010B) NITRATE/SULFATE (EPA 300.0) TOTAL LEAD (6010B) ALKALINITY (2320 B-1991)										SCR #: _____	
Site Address: 232 East Woodin Avenue, CHELAN, WA			Water <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>													<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
Chevron EM EH LEIDOSRS Lead Consultant Russell Shropshire			Composite <input type="checkbox"/>														
Consultant/Office: Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588			Grab <input type="checkbox"/>														
Consultant Project Mgr.: Deanna L. Harding, (deanna@grinc.com)			Soil <input type="checkbox"/>														
Consultant Phone #: (925) 551-7444 x180			Water <input type="checkbox"/>														
Sampler: Alex W., Gilbert m			Oil <input type="checkbox"/>														
2 Sample Identification		Collected		Grab	Composite												
		Date	Time														
QA		170320		<input checked="" type="checkbox"/>													
MW-5			0510	<input checked="" type="checkbox"/>												DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED. - add DUP analysis <i>JMM 3/22/17</i>	
MW-6			0745	<input type="checkbox"/>													
MW-7			0855	<input type="checkbox"/>													
MW-8			0630	<input type="checkbox"/>													
MW-15			1015	<input type="checkbox"/>													
MW-17			0930	<input type="checkbox"/>													
MW-18			1045	<input type="checkbox"/>													
MW-23			0700	<input type="checkbox"/>													
MW-28			0815	<input type="checkbox"/>													
MW-30			0445	<input type="checkbox"/>													
MW-31			0545	<input type="checkbox"/>													
MW-37			0415	<input type="checkbox"/>													
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by		Date	Time	Received by		Date	Time	9					
Standard <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input checked="" type="checkbox"/> EDF/EDD 24 hour <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/>						170320	14:00			3/20/17	14:00						
8 Data Package (circle if required)				Relinquished by Commercial Carrier:		Received by		Date	Time								
Type I - Full <input type="checkbox"/> Type VI (Raw Data) <input type="checkbox"/> EDD (circle if required) <input type="checkbox"/> CVX-RTBU-FL_05 (default) <input type="checkbox"/> Other: _____				UPS _____ FedEx _____ Other _____				3/21/17	9:33								
				Temperature Upon Receipt		Custody Seals Intact?											
				0.6-1.1 °C		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks																																																																																																																																																																																																																																																																																																																																																																		
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										Results in Dry Weight J value reporting needed Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run ___ oxy's on highest hit Run ___ oxy's on all hits																																																																																																																																																																																																																																																																																																																																																																		
Site Address: 232 East Woodin Avenue, CHELAN, WA			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			FERRIC IRON (SIM TO 3502 Fe-13) EDD (8011) NITRATE/SULFATE (EPA 300.0)																																																																																																																																																																																																																																																																																																																																																																												
Chevron # EH LEIDOSRS Lead Consultant Russell Shropshire			<input type="checkbox"/> Composite <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			Total Number of Containers BTEX + MTBE 8021 8260 Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH WA EPH Lead Total Diss. Method										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run ___ oxy's on highest hit Run ___ oxy's on all hits																																																																																																																																																																																																																																																																																																																																																																		
Consultant/Office: Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568			Total Number of Containers BTEX + MTBE 8021 8260 Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH WA EPH Lead Total Diss. Method			FERRIC IRON (SIM TO 3502 Fe-13) EDD (8011) NITRATE/SULFATE (EPA 300.0)																																																																																																																																																																																																																																																																																																																																																																												
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)			Total Number of Containers BTEX + MTBE 8021 8260 Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH WA EPH Lead Total Diss. Method			FERRIC IRON (SIM TO 3502 Fe-13) EDD (8011) NITRATE/SULFATE (EPA 300.0)										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run ___ oxy's on highest hit Run ___ oxy's on all hits																																																																																																																																																																																																																																																																																																																																																																		
Consultant Phone # (925) 551-7444 x180			Total Number of Containers BTEX + MTBE 8021 8260 Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH WA EPH Lead Total Diss. Method			FERRIC IRON (SIM TO 3502 Fe-13) EDD (8011) NITRATE/SULFATE (EPA 300.0)																																																																																																																																																																																																																																																																																																																																																																												
Sampler: Alex W., Gilbert M			Total Number of Containers BTEX + MTBE 8021 8260 Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH WA EPH Lead Total Diss. Method			FERRIC IRON (SIM TO 3502 Fe-13) EDD (8011) NITRATE/SULFATE (EPA 300.0)										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run ___ oxy's on highest hit Run ___ oxy's on all hits																																																																																																																																																																																																																																																																																																																																																																		
2 Sample Identification <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample</th> <th colspan="2">Collected</th> <th rowspan="2">Grab</th> <th rowspan="2">Composite</th> <th rowspan="2">Soil</th> <th rowspan="2">Water</th> <th rowspan="2">Oil</th> <th rowspan="2">Total Number of Containers</th> <th rowspan="2">BTEX + MTBE</th> <th rowspan="2">8260</th> <th rowspan="2">8021</th> <th rowspan="2">8260</th> <th rowspan="2">Naphth</th> <th rowspan="2">8260 full scan</th> <th rowspan="2">Oxygenates</th> <th rowspan="2">NWTPH-Gx</th> <th rowspan="2">NWTPH-Dx with Silica Gel Cleanup</th> <th rowspan="2">NWTPH-Dx without Silica Gel Cleanup</th> <th rowspan="2">WA VPH</th> <th rowspan="2">WA EPH</th> <th rowspan="2">Lead</th> <th rowspan="2">Total</th> <th rowspan="2">Diss.</th> <th rowspan="2">Method</th> <th rowspan="2">FERRIC IRON (SIM TO 3502 Fe-13)</th> <th rowspan="2">EDD (8011)</th> <th rowspan="2">NITRATE/SULFATE (EPA 300.0)</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr><td>MW-6</td><td>170320</td><td>1745</td><td>X</td><td></td><td></td><td>X</td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td></tr> <tr><td>MW-7</td><td></td><td>0855</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-8</td><td></td><td>0630</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-15</td><td></td><td>1015</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-17</td><td></td><td>0930</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-18</td><td></td><td>1045</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-23</td><td></td><td>0700</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-28</td><td></td><td>0815</td><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-5</td><td></td><td>0510</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td></tr> <tr><td>MW-30</td><td></td><td>0445</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-31</td><td></td><td>0545</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MW-37</td><td></td><td>0415</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			Sample	Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8260	8021	8260			Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	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7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour			Relinquished by _____ Date _____ Time _____ Relinquished by _____ Date _____ Time _____			Received by J. P. Pdr Date 3/20/17 Time 14:00			9 Date _____ Time _____ Date _____ Time _____																																																																																																																																																																																																																																																																																																																																																																									
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)			EDD (circle if required) CVX-RTBU-FI_05 (default) Other: _____			Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____ Temperature Upon Receipt _____ °C					Received by _____ Date _____ Time _____ Custody Seals Intact? Yes No																																																																																																																																																																																																																																																																																																																																																																							



GETTLER-RYAN INC.



TRANSMITTAL

June 29, 2017
G-R #17156610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station**
#9-6590
232 Woodin Avenue
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Second Quarter Event of June 19, 20, & 21, 2017

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	Chevron #9-6590	Date:	6/19-21/17
Address:	232 Woodin Avenue		
City/St.:	Chelan, WA		
Status of Site:	ACTIVE STATION / STREET WELLS		

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
	NO DRUM				

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	NA	NA	NO	NO	OPW/12/6	
MW-5	OK	OK			MORRIS/8/2	
MW-6	↓	↓	↓	↓	↓	3
MW-7						↓
MW-8						2
MW-9						↓
MW-10						3
MW-12						
MW-15						
MW-16						
MW-17						
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						
MW-25						12
MW-27						8
MW-28						
MW-30						
MW-31						
MW-36						
MW-37						
MW-38						
MW-39	↓	↓	↓	↓	↓	↓

Additional Comments/Observations:

Was the fence for the compound locked? Y N

Was the drum storage locker locked and secure? Y N

Is the signage on the fence present and legible? Y N

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet. Total well depths are measured annually.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 214 in.
 Total Depth: 23.60 ft.
 Depth to Water: 20.31 ft.
3.29 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter Ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA MLO

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: (2) 4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 19.96 ft.
14.89 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0505
 Sample Time/Date: 0550/6/26/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: WARM
 Water Color: BROWN Odor: Y/N
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 19.99

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0523</u>	<u>3.6</u>	<u>6.71</u>	<u>6.618</u>	<u>16.01</u>	<u>4.29</u>	<u>44.9</u>	<u>19.98</u>
<u>0526</u>	<u>4.2</u>	<u>6.70</u>	<u>1.617</u>	<u>15.69</u>	<u>4.30</u>	<u>44.6</u>	<u>19.99</u>
<u>0529</u>	<u>4.8</u>	<u>6.69</u>	<u>1.615</u>	<u>15.68</u>	<u>4.32</u>	<u>44.2</u>	<u>19.99</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.00 FT



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-6
 Well Diameter: (2) 4 in.
 Total Depth: 35.81 ft.
 Depth to Water: 23.43 ft.
12.38 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0610
 Sample Time/Date: 0705/6/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: WARM
 Water Color: CLEAR Odor: Ø N SLIGHT
 Sediment Description: SLT
 Volume: _____ ltrs DTW @ Sampling: 23.47

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0628</u>	<u>3.6</u>	<u>6.95</u>	<u>1.96</u>	<u>16.26</u>	<u>2.39</u>	<u>-106.3</u>	<u>23.46</u>
<u>0631</u>	<u>4.2</u>	<u>6.93</u>	<u>1.194</u>	<u>16.23</u>	<u>2.40</u>	<u>-106.9</u>	<u>23.47</u>
<u>0634</u>	<u>4.8</u>	<u>6.91</u>	<u>1.191</u>	<u>16.21</u>	<u>2.42</u>	<u>-106.2</u>	<u>23.47</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 25.50ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19/17-6/21/17 (inclusive)
 Sampler: GM

Well ID: MW-7
 Well Diameter: 24 in.
 Total Depth: 34.93 ft.
 Depth to Water: 22.05 ft.
12.88 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0830
 Sample Time/Date: 0925/6/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: WARM
 Water Color: CLEAR Odor: Ø N STRONG
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 22.09

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0848</u>	<u>3.6</u>	<u>6.91</u>	<u>1.726</u>	<u>16.85</u>	<u>1.69</u>	<u>4.8</u>	<u>22.09</u>
<u>0851</u>	<u>4.2</u>	<u>6.89</u>	<u>1.720</u>	<u>16.81</u>	<u>1.71</u>	<u>4.7</u>	<u>22.09</u>
<u>0854</u>	<u>4.8</u>	<u>6.82</u>	<u>1.713</u>	<u>16.78</u>	<u>1.78</u>	<u>4.5</u>	<u>22.09</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>9</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 24.5D ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 6/19-21/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-8 Date Monitored: 6/19/17
 Well Diameter: 204 in.
 Total Depth: 34.98 ft.
 Depth to Water: 20.36 ft. Check if water column is less than 0.50 ft.
14.62 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0720 Weather Conditions: WARM
 Sample Time/Date: 0815/6/20/17 Water Color: BROWN Odor: (Y) N SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.41

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0738</u>	<u>3.6</u>	<u>6.96</u>	<u>1.451</u>	<u>15.20</u>	<u>4.08</u>	<u>-30.6</u>	<u>20.40</u>
<u>0741</u>	<u>4.2</u>	<u>6.94</u>	<u>1.446</u>	<u>15.17</u>	<u>4.10</u>	<u>-30.9</u>	<u>20.41</u>
<u>0744</u>	<u>4.8</u>	<u>6.91</u>	<u>1.440</u>	<u>15.14</u>	<u>4.11</u>	<u>-31.2</u>	<u>20.41</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 23.00 ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: (2) 4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 35.27 ft.
5.22 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>26.60</u>	ft
Depth to Water:	<u>35.27</u>	ft
Hydrocarbon Thickness:	<u>8.67</u>	ft
Visual Confirmation/Description:	<u>oil</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA GM/10



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: (2) 4 in.
 Total Depth: 37.86 ft.
 Depth to Water: 26.86 ft.

Date Monitored: 10/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

11.00 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>23.59</u>	ft
Depth to Water:	<u>26.86</u>	ft
Hydrocarbon Thickness:	<u>3.27</u>	ft
Visual Confirmation/Description:	<u>ONLY</u>	
Skimmer / Absorbant Sock (circle one)		
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-12
 Well Diameter: (2) 4 in.
 Total Depth: 37.01 ft.
 Depth to Water: 24.09 ft.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

12.92 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>19.74</u> ft
Depth to Water:	<u>24.09</u> ft
Hydrocarbon Thickness:	<u>4.35</u> ft
Visual Confirmation/Description:	<u>oil</u>
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M9 M10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-15
 Well Diameter: 2.4 in.
 Total Depth: 39.99 ft.
 Depth to Water: 23.45 ft.
16.54 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0945 Weather Conditions: SUNNY
 Sample Time/Date: 1055/6/20/17 Water Color: BROWN Odor: Y (N)
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23.52

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cmS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1003</u>	<u>3.6</u>	<u>6.90</u>	<u>0.172</u>	<u>16.21</u>	<u>1.28</u>	<u>-12.0</u>	<u>23.51</u>
<u>1006</u>	<u>4.2</u>	<u>6.89</u>	<u>0.173</u>	<u>16.19</u>	<u>1.29</u>	<u>-12.4</u>	<u>23.51</u>
<u>1009</u>	<u>4.8</u>	<u>6.88</u>	<u>0.169</u>	<u>16.16</u>	<u>1.27</u>	<u>-12.1</u>	<u>23.52</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 25.50ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-16
 Well Diameter: (2)4 in.
 Total Depth: 50.02 ft.
 Depth to Water: 47.41 ft.
2.61 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>31.66</u>	ft
Depth to Water:	<u>47.44</u>	ft
Hydrocarbon Thickness:	<u>15.78</u>	ft
Visual Confirmation/Description:	<u>LT Blank/Oily</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/0

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-17
 Well Diameter: 2.4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 21.32 ft.
17.08 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 6/19/17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>6</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0220 Weather Conditions: COOL
 Sample Time/Date: 0315/6/21/17 Water Color: CLEAR Odor: NO STRONG
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{cm}$)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0238</u>	<u>3.6</u>	<u>7.28</u>	<u>0.964</u>	<u>15.61</u>	<u>1.33</u>	<u>-186.4</u>	<u>21.37</u>
<u>0241</u>	<u>4.2</u>	<u>7.27</u>	<u>0.962</u>	<u>15.57</u>	<u>1.34</u>	<u>-186.1</u>	<u>21.33</u>
<u>0244</u>	<u>4.8</u>	<u>7.25</u>	<u>0.960</u>	<u>15.57</u>	<u>1.37</u>	<u>-185.6</u>	<u>21.33</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 24.0 ft



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-18
 Well Diameter: 2.4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 19.37 ft.
19.68 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0330
 Sample Time/Date: 0425/6/21/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: COOL
 Water Color: LT BROWN Odor: DN SLIGHT
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 19.41

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{cm}$)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0343</u>	<u>3.6</u>	<u>7.41</u>	<u>0.744</u>	<u>16.40</u>	<u>1.74</u>	<u>-56.1</u>	<u>19.40</u>
<u>0351</u>	<u>4.2</u>	<u>7.42</u>	<u>0.742</u>	<u>16.38</u>	<u>1.75</u>	<u>-55.7</u>	<u>19.41</u>
<u>0354</u>	<u>4.8</u>	<u>7.40</u>	<u>0.740</u>	<u>16.37</u>	<u>1.77</u>	<u>-55.3</u>	<u>19.41</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>2</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>2</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>2</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: \approx 21.5 ft



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-19
 Well Diameter: (2) 4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 21.74 ft.
18.30 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: -

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump MC
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump MC
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-21
 Well Diameter: 2 1/4 in.
 Total Depth: 39.93 ft.
 Depth to Water: 34.69 ft.
5.24 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 19.59 ft
 Depth to Water: 34.69 ft
 Hydrocarbon Thickness: 15.10 ft
 Visual Confirmation/Description _____
 Skimmer / Absorbant Sock (circle one) _____
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA SPT

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-22
 Well Diameter: (2) 4 in.
 Total Depth: 41.16 ft.
 Depth to Water: 20.39 ft.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

20.77 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-23
 Well Diameter: 21.4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 20.73 ft.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

17.47 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0645
 Sample Time/Date: 0740/6/21/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: SUNNY
 Water Color: CLEAR Odor: YIN
 Sediment Description: SILT
 Volume: — ltrs DTW @ Sampling: 20.80

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) ms µmhos/cm	Temperature (°C) (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0703</u>	<u>3.6</u>	<u>7.70</u>	<u>.664</u>	<u>14.15</u>	<u>7.49</u>	<u>-1.8</u>	<u>20.79</u>
<u>0706</u>	<u>4.2</u>	<u>7.67</u>	<u>.662</u>	<u>14.11</u>	<u>7.48</u>	<u>-1.6</u>	<u>20.80</u>
<u>0709</u>	<u>4.8</u>	<u>7.64</u>	<u>.659</u>	<u>14.09</u>	<u>7.43</u>	<u>-1.9</u>	<u>20.80</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 23.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 27.94 ft.
23.56 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 27.93 ft
 Depth to Water: 27.94 ft
 Hydrocarbon Thickness: 0.01 ft
 Visual Confirmation/Description:
LT Brown / oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-27
 Well Diameter: (2) 4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 33.12 ft.
6.92 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>21.89</u>	ft
Depth to Water:	<u>33.12</u>	ft
Hydrocarbon Thickness:	<u>11.23</u>	ft
Visual Confirmation/Description:	<u>Pink/LTRed/only</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA 8PH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 6/19-21/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-28 Date Monitored: 6/19/17
 Well Diameter: 24 in.
 Total Depth: 38.32 ft.
 Depth to Water: 19.19 ft. Check if water column is less than 0.50 ft.
19.13 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0450 Weather Conditions: CLEAR
 Sample Time/Date: 0545 / 6/21/17 Water Color: CLEAR Odor: Ø SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 19.32

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0508</u>	<u>3.6</u>	<u>7.53</u>	<u>754</u>	<u>15.60</u>	<u>4.92</u>	<u>-18.0</u>	<u>19.31</u>
<u>0511</u>	<u>4.2</u>	<u>7.51</u>	<u>751</u>	<u>15.56</u>	<u>5.01</u>	<u>-17.6</u>	<u>19.32</u>
<u>0514</u>	<u>4.8</u>	<u>7.49</u>	<u>747</u>	<u>15.53</u>	<u>5.08</u>	<u>-17.1</u>	<u>19.32</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>5</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>5</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 22.50ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 6/19-21/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-30
 Well Diameter: 2 1/4 in.
 Total Depth: 94.40 ft.
 Depth to Water: 71.96 ft.
22.44 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0150 Weather Conditions: WARM
 Sample Time/Date: 0235 / 6/20/17 Water Color: CLEAR Odor: YIN
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 71.96

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0208</u>	<u>3.6</u>	<u>6.75</u>	<u>0.179</u>	<u>16.20</u>	<u>4.10</u>	<u>3.1</u>	<u>71.96</u>
<u>0211</u>	<u>4.2</u>	<u>6.74</u>	<u>0.177</u>	<u>16.71</u>	<u>4.11</u>	<u>3.1</u>	<u>71.96</u>
<u>0214</u>	<u>4.8</u>	<u>6.72</u>	<u>0.177</u>	<u>16.67</u>	<u>4.13</u>	<u>3.2</u>	<u>71.96</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>1</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 7400ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-31
 Well Diameter: 2 1/4 in.
 Total Depth: 92.34 ft.
 Depth to Water: 69.43 ft.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

22.91 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0255
 Sample Time/Date: 0340/6/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: WARM
 Water Color: CLEAR Odor: Y/N
 Sediment Description: NONE
 Volume: _____ ltrs DTW @ Sampling: 69.44

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0313</u>	<u>3.6</u>	<u>7.08</u>	<u>0.271</u>	<u>16.39</u>	<u>4.69</u>	<u>22.7</u>	<u>69.43</u>
<u>0316</u>	<u>4.2</u>	<u>7.07</u>	<u>0.270</u>	<u>16.38</u>	<u>4.70</u>	<u>22.7</u>	<u>69.44</u>
<u>0319</u>	<u>4.8</u>	<u>7.05</u>	<u>0.269</u>	<u>16.34</u>	<u>4.71</u>	<u>22.6</u>	<u>69.44</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>2</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>6</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 73.00 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 6/19-21/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-36 Date Monitored: 6/19/17
 Well Diameter: (2) 4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 28.62 ft. Check if water column is less than 0.50 ft.
20.87 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>Ø</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-37
 Well Diameter: 2.4 in.
 Total Depth: 93.03 ft.
 Depth to Water: 71.96 ft.

Date Monitored: 6/19/17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

21.07 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer: —
 Stainless Steel Bailer: —
 Stack Pump: —
 Peristaltic Pump: —
 QED Bladder Pump: X
 Other: —

Sampling Equipment:

Disposable Bailer: —
 Pressure Bailer: —
 Metal Filters: X
 Peristaltic Pump: —
 QED Bladder Pump: X
 Other: —

Time Started: — (2400 hrs)
 Time Completed: — (2400 hrs)
 Depth to Product: — ft.
 Depth to Water: — ft.
 Hydrocarbon Thickness: 0 ft.
 Visual Confirmation/Description: 0
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: — ltr
 Amt Removed from Well: — ltr
 Water Removed: — ltr
 Product Transferred to: —

Start Time (purge): 0400
 Sample Time/Date: 0445 / 6/20/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: —

Weather Conditions: WARM
 Water Color: CLEAR Odor: Y/N
 Sediment Description: NONE
 Volume: — ltrs DTW @ Sampling: 7200

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S/cm}$)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0418</u>	<u>3.6</u>	<u>7.15</u>	<u>0.442</u>	<u>16.01</u>	<u>4.65</u>	<u>23.9</u>	<u>71.99</u>
<u>0421</u>	<u>4.2</u>	<u>7.17</u>	<u>0.440</u>	<u>15.99</u>	<u>4.67</u>	<u>28.2</u>	<u>71.99</u>
<u>0424</u>	<u>4.8</u>	<u>7.16</u>	<u>0.436</u>	<u>15.92</u>	<u>4.69</u>	<u>28.6</u>	<u>72.00</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: \approx 74.00ft

Add/Replaced Gasket: — Add/Replaced Bolt: — Add/Replaced Plug: — Add/Replaced Lock: —



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-38

Date Monitored: 6/19/17

Well Diameter: 21.4 in.

Total Depth: 46.28 ft.

Depth to Water: 46.09 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

0.19 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____

Weather Conditions: _____

Sample Time/Date: _____ / _____

Water Color: _____ Odor: Y / N

Approx. Flow Rate: _____ mlpm

Sediment Description: _____

Did well de-water? _____ If yes, Time: _____

Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA INSUFFICIENT H2O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 6/19-21/17 (inclusive)
 Sampler: GM

Well ID: MW-39
 Well Diameter: (2) 4 in.
 Total Depth: 45.45 ft.
 Depth to Water: 44.83 ft.
0.62 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6/19/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA INSUFFICIENT H2O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____

For Eurofins **Lancaster Laboratories** use only
 Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested																				
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air Total Number of Containers _____			<input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____ EDB (8011) FePO4s 1 RON (SM2035006-B 117) NITRATE/SULFATE (EPA 300.0)																				
Site Address 232 East Woodin Avenue, CHELAN, WA																										
Chevron ER LEIDOSRS Lead Consultant Russell Shropshire																										
Consultant Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588																										
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)																										
Consultant Phone # (925) 551-7444 x180																										
Sampler GILBERT MEDINA			3 Composite																							
2 Sample Identification		Collected		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Soil</th> <th>Water</th> <th>Oil</th> <th>Grab</th> <th>Composite</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>			Soil	Water	Oil	Grab	Composite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>										
Soil	Water	Oil	Grab				Composite																			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>																			
Sample ID	Date	Time																								
MW-5	170620	0550																								
MW-6		0705																								
MW-7		0925																								
MW-8		0815																								
MW-15		1055																								
MW-30		0235																								
MW-31		0340																								
MW-37		0445																								

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run oxy's on highest hit
- Run oxy's on all hits

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)				Relinquished by _____		Date _____		Time _____		Received by _____		Date _____		Time _____	
Standard <input checked="" type="radio"/> 5 day 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour				EDF/EDD		6/20/17									

8 Data Package (circle if required)		Relinquished by Commercial Carrier:		Received by _____		Date _____		Time _____	
Type I - Full <input type="checkbox"/>		CVX-RTBU-FL_05 (default)		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____					
Type VI (Raw Data) <input type="checkbox"/>		Other: _____		Temperature Upon Receipt _____ °C		Custody Seals Intact? <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>	

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information			4 Matrix			5 Analyses Requested					
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil Total Number of Containers: _____			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method EDB (8011) NITRATE/SULFATE (EPA 3000) FERRIC ION (CM20 3500 Fe-B-193)					
Site Address: 682 East Woodin Avenue, CHELAN, WA											
Chevron # ER LEIDOSRS Lead Consultant: Russell Shropshire											
Consultant Office: Gutter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568											
Consultant Project Mgr: Deanna L. Harding, (deanna@grinc.com)											
Consultant Phone #: (925) 551-7444 x180											
Sampler: G MEDINA			3 Composite								
2 Sample Identification			Collected								
		Date	Time	Grab							
MN-17		6/21	0315	X							
13		↓	0425	X							
23		↓	0740	↓							
28		↓	0545	↓							

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
 72 hour 48 hour 24 hour

EDF/EDD

Relinquished by: _____	Date: <u>6/21/17</u>	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____

8 Data Package (circle if required)

Type I - Full **EDD** (circle if required)
 Type VI (Raw Data) CVX-RTBU-FL_05 (default)
 Other: _____

Relinquished by Commercial Carrier: UPS FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins
262317-03

Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
For Eurofins Lancaster Laboratories use only
Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information			4 Matrix			5 Analyses Requested																	
Facility # SS#9-6590-OML G-R#17156610 WBS			Sediment	Ground	Surface	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NAPTH	8260	NAPTH	NAPTH-Gx/EDC (8260)	NAPTH-Dx with Silica Gel Cleanup	NAPTH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method		
Site Address 232 East Woodin Avenue, CHELAN, WA																							
Chevron ER LEIDOSRS Lead Consultant Russell Shropshire																							
Consultant Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588																							
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)			<input type="checkbox"/> Potable			<input type="checkbox"/> NPDES			<input type="checkbox"/> Air														
Consultant Phone # (925) 551-7444 x180			<input type="checkbox"/> Soil			<input type="checkbox"/> Water			<input type="checkbox"/> Oil														
Sampler G MEDINA			<input type="checkbox"/> Composite			<input type="checkbox"/> Grab			<input type="checkbox"/> Naphth														
2 Sample Identification		Collected		3		8		8260		EDC		8260		8260		8260		8260		8260			
Date		Time		Grab		Composite		Soil		Water		Oil		Total Number of Containers		BTEX		8260 full scan		Oxygenates		NAPTH	
DWP		17/06/20		X				W				8		X		X		X					

- SCR #: _____
- Results in Dry Weight
 - J value reporting needed
 - Must meet lowest detection limits possible for 8260 compounds
 - 8021 MTBE Confirmation
 - Confirm MTBE + Naphthalene
 - Confirm highest hit by 8260
 - Confirm all hits by 8260
 - Run _____ oxy's on highest hit
 - Run _____ oxy's on all hits

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day **EDF/EDD**

72 hour 48 hour 24 hour

Relinquished by 	Date 4/23/17	Time 1225	Received by 	Date 23 JUN 17	Time 1245
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FL_05 (default)

Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C

Received by _____

Custody Seals Intact? Yes No



GETTLER-RYAN INC.



TRANSMITTAL

October 27, 2017
G-R #17156610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Manager
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station**
#9-6590
232 Woodin Avenue
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Third Quarter Event of October 16, 17, & 18, 2017

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	Chevron #9-6590	Date:	10/16 - 10/18/17
Address:	232 Woodin Avenue		
City/St.:	Chelan, WA		
Status of Site:	Active chevron / Street wells.		

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
NO DRUMS					

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	N/A	N/A	N	N	OPW/12/Ø	
MW-5	OK	OK			morris 18/2	
MW-6	↓	↓				3
MW-7	↓	↓				↓
MW-8	↓	↓	Y	Y		2
MW-9	↓	↓				↓
MW-10	↓	↓				3
MW-12	↓	↓				
MW-15	↓	↓				
MW-16	↓	↓				
MW-17	↓	↓				
MW-18	↓	↓				
MW-19	↓	↓				
MW-21	↓	↓				
MW-22	↓	↓				
MW-23	↓	↓				↓
MW-25	↓	↓				12
MW-27	↓	↓				8
MW-28	↓	↓				
MW-30	↓	↓				
MW-31	↓	↓				
MW-36	↓	↓				
MW-37	↓	↓				
MW-38	↓	↓				
MW-39	↓	↓				

Additional Comments/Observations:

Was the fence for the compound locked? Y / N

Was the drum storage locker locked and secure? Y / N

Is the signage on the fence present and legible? Y / N

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet. Total well depths are measured annually.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16 - 10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-2
 Well Diameter: 2 1/4 in.
 Total Depth: 23.60 ft.
 Depth to Water: 20.50 ft.
3.10 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-5
 Well Diameter: 2 1/4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 20.17 ft.
14.68 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1055 Weather Conditions: Cloudy
 Sample Time/Date: 1150 / 10-18-17 Water Color: Cloudy Odor: Y/N
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.29

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1113</u>	<u>3.6</u>	<u>7.44</u>	<u>968</u>	<u>13.88</u>	<u>1.24</u>	<u>105</u>	<u>20.22</u>
<u>1116</u>	<u>4.2</u>	<u>7.39</u>	<u>960</u>	<u>13.91</u>	<u>1.27</u>	<u>111</u>	<u>20.24</u>
<u>1119</u>	<u>4.8</u>	<u>7.36</u>	<u>954</u>	<u>13.92</u>	<u>1.29</u>	<u>112</u>	<u>20.29</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: 22.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: AW

Well ID: MW-6 Date Monitored: 10-16-17
 Well Diameter: 2 1/4 in.
 Total Depth: 35.81 ft.
 Depth to Water: 24.15 ft. Check if water column is less than 0.50 ft.
11.66 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0930 Weather Conditions: Cloudy
 Sample Time/Date: 1040 / 10-18-17 Water Color: Cloudy Odor: Y/N
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.28

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS μmhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0948</u>	<u>3.6</u>	<u>7.63</u>	<u>791</u>	<u>13.62</u>	<u>1.19</u>	<u>203</u>	<u>24.19</u>
<u>0951</u>	<u>4.2</u>	<u>7.57</u>	<u>806</u>	<u>13.66</u>	<u>1.21</u>	<u>209</u>	<u>24.22</u>
<u>0954</u>	<u>4.8</u>	<u>7.57</u>	<u>810</u>	<u>13.69</u>	<u>1.24</u>	<u>211</u>	<u>24.28</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: 226.5ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/17/17 (inclusive)
 Sampler: AW

Well ID: MW-7
 Well Diameter: 2 1/4 in.
 Total Depth: 34.93 ft.
 Depth to Water: 22.53 ft.
12.40 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0805
 Sample Time/Date: 0915 / 10-18-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____

Weather Conditions: Cloudy
 Water Color: Cloudy Odor: Y / N
 Sediment Description: Cloudy
 Volume: _____ ltrs DTW @ Sampling: 2265

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0823</u>	<u>3.6</u>	<u>7.65</u>	<u>876</u>	<u>12.68</u>	<u>1.25</u>	<u>200</u>	<u>2257</u>
<u>0826</u>	<u>4.2</u>	<u>7.60</u>	<u>888</u>	<u>12.71</u>	<u>1.28</u>	<u>206</u>	<u>2261</u>
<u>0829</u>	<u>4.8</u>	<u>7.60</u>	<u>890</u>	<u>12.71</u>	<u>1.29</u>	<u>209</u>	<u>2265</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u> </u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u> </u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u> </u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~25.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: BR

Well ID: MW-8 Date Monitored: 10-16-17
 Well Diameter: 214 in.
 Total Depth: 34.98 ft.
 Depth to Water: 20.58 ft. Check if water column is less than 0.50 ft.
14.40 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0645 Weather Conditions: Dawn
 Sample Time/Date: 0755 / 10-18-17 Water Color: Cloudy Odor: Y 40
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.71

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0703</u>	<u>3.6</u>	<u>7.93</u>	<u>872</u>	<u>12.45</u>	<u>1.29</u>	<u>197</u>	<u>20.62</u>
<u>0706</u>	<u>4.2</u>	<u>7.90</u>	<u>880</u>	<u>12.47</u>	<u>1.31</u>	<u>200</u>	<u>20.66</u>
<u>0709</u>	<u>4.8</u>	<u>7.86</u>	<u>888</u>	<u>12.50</u>	<u>1.34</u>	<u>204</u>	<u>20.71</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>3</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 22.5ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: 2 Add/Replaced Lock: 1



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: **Chevron #9-6590**
 Site Address: **232 Woodin Avenue**
 City: **Chelan, WA**

Job Number: **17156610**
 Event Date: **10/16-10/17/17** (inclusive)
 Sampler: **SW**

Well ID: **MW-9**
 Well Diameter: **214** in.
 Total Depth: **40.49** ft.
 Depth to Water: **36.26** ft.
4.23 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: **10-16-17**

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	27.20	ft
Depth to Water:	36.26	ft
Hydrocarbon Thickness:	906	ft
Visual Confirmation/Description:	Light yellow	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: **/** Water Color: _____ Odor: **Y / N**
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: **Depth Pump Set At: M/O -SPH**

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-10
 Well Diameter: (2) 4 in.
 Total Depth: 37.86 ft.
 Depth to Water: 26.95 ft.
10.91 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>23.86</u>	ft
Depth to Water:	<u>26.95</u>	ft
Hydrocarbon Thickness:	<u>3.09</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbent Sock (circle one)		
Amt Removed from Skimmer:	<u>-</u>	ltr
Amt Removed from Well:	<u>-</u>	ltr
Water Removed:	<u>-</u>	ltr
Product Transferred to:	<u>-</u>	

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: m/o -SpH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16 - 10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-12
 Well Diameter: 214 in.
 Total Depth: 37.01 ft.
 Depth to Water: 24.60 ft.
12.41 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>20.69</u>	ft
Depth to Water:	<u>24.60</u>	ft
Hydrocarbon Thickness:	<u>3.91</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	<u>-</u>	ltr
Amt Removed from Well:	<u>-</u>	ltr
Water Removed:	<u>-</u>	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: m/d -SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16 - 10/18/17 (inclusive)
 Sampler: PW

Well ID: MW-15
 Well Diameter: 2.4 in.
 Total Depth: 39.99 ft.
 Depth to Water: 22.96 ft.
17.03 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0945
 Sample Time/Date: 1055 / 10-17-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23.10

Weather Conditions: Sunny
 Water Color: Cloudy Odor: Y / 10
 Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1003</u>	<u>3.6</u>	<u>7.80</u>	<u>528</u>	<u>12.42</u>	<u>1.28</u>	<u>142</u>	<u>23.00</u>
<u>1006</u>	<u>4.2</u>	<u>7.74</u>	<u>533</u>	<u>12.44</u>	<u>1.31</u>	<u>135</u>	<u>23.06</u>
<u>1009</u>	<u>4.8</u>	<u>7.70</u>	<u>540</u>	<u>12.55</u>	<u>1.35</u>	<u>129</u>	<u>23.10</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 25.0ft
"Dup" sample taken - 2 one L (for PH-Dx) / 6 VOA'S (NWTPH-Gx/BTEX(8260)/EDC(8260))

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16 - 10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-16
 Well Diameter: 2 1/4 in.
 Total Depth: 50.02 ft.
 Depth to Water: 46.18 ft.
3.84 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>31.13</u>	ft
Depth to Water:	<u>46.18</u>	ft
Hydrocarbon Thickness:	<u>15.05</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/D - SPIH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 20.42 ft.
17.98 xVF = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0400 Weather Conditions: Dark
 Sample Time/Date: 0505 / 10/18/17 Water Color: Cloudy Odor: 01 N moderate
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling: 20.49

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0418	3.6	7.20	647	12.40	1.32	197	20.47
0421	4.2	7.24	653	12.44	1.33	200	20.49
0424	4.8	7.27	662	12.47	1.33	201	20.49

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260) .
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx .
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M) .
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0) .
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197) .
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991) .
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011) .

COMMENTS: Depth Pump Set At: ~22.5ft



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-18
 Well Diameter: (2) 4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 19.51 ft.
19.54 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters ✓
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0520
 Sample Time/Date: 0630 / 10-18-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____

Weather Conditions: Dawn
 Water Color: Cloudy Odor: Y 10
 Sediment Description: Cloudy
 Volume: _____ ltrs DTW @ Sampling: 19.60

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS mS µmhos/cm)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0538</u>	<u>3.6</u>	<u>7.60</u>	<u>539</u>	<u>11.98</u>	<u>1.42</u>	<u>188</u>	<u>19.56</u>
<u>0541</u>	<u>4.2</u>	<u>7.58</u>	<u>545</u>	<u>11.97</u>	<u>1.40</u>	<u>180</u>	<u>19.60</u>
<u>0544</u>	<u>4.8</u>	<u>7.56</u>	<u>547</u>	<u>11.95</u>	<u>1.40</u>	<u>178</u>	<u>19.60</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 21.5ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: dlw

Well ID: MW-19
 Well Diameter: 21.4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 22.18 ft.
17.86 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: **Y / N** _____
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: HW

Well ID: MW-21 Date Monitored: 10-16-17
 Well Diameter: 2 1/4 in.
 Total Depth: 39.93 ft.
 Depth to Water: 34.71 ft. Check if water column is less than 0.50 ft.
5.22 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>19.42</u>	ft
Depth to Water:	<u>34.71</u>	ft
Hydrocarbon Thickness:	<u>15.29</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	<u>-</u>	ltr
Amt Removed from Well:	<u>-</u>	ltr
Water Removed:	<u>-</u>	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μ S / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: SPH - No sample taken.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-22
 Well Diameter: 2 1/4 in.
 Total Depth: 41.16 ft.
 Depth to Water: 21.16 ft.
20.00 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-23
 Well Diameter: 2 1/4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 22.10 ft.
16.10 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10/16/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters ✓
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0800 1110
 Sample Time/Date: 1220 / 10-17-17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 2230

Weather Conditions: Sunny
 Water Color: Cloudy Odor: Y / 10
 Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1128	3-6	7.37	497	12.09	1.42	123	22.16
1131	4.2	7.40	510	12.12	1.48	115	22.25
1134	4.8	7.44	514	12.19	1.50	108	22.30

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~25.0 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 27.78 ft.
23.72 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>27.75</u>	ft
Depth to Water:	<u>27.78</u>	ft
Hydrocarbon Thickness:	<u>0.03</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: M/G SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: AW

Well ID: MW-27
 Well Diameter: 2 1/4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 33-75 ft.
6.29 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>21.71</u>	ft
Depth to Water:	<u>33.75</u>	ft
Hydrocarbon Thickness:	<u>12.04</u>	ft
Visual Confirmation/Description:	<u>Light yellow</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S} / \text{mS}$ umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: SPH - no sample taken

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/10-10/18/17 (inclusive)
 City: Chelan, WA Sampler: HW

Well ID: MW-28 Date Monitored: 10-16-17
 Well Diameter: 2.4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 19.18 ft. Check if water column is less than 0.50 ft.
19.14 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0820 Weather Conditions: cloudy
 Sample Time/Date: 0930 / 10-17-17 Water Color: cloudy Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 19.30

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS / μ mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0838	3.6	8.57	552	13.70	1.32	138	19.24
0841	4.2	8.50	544	13.77	1.29	143	19.29
0844	4.8	8.44	535	13.77	1.29	145	19.30

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~22.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/17/17 (inclusive)
 City: Chelan, WA Sampler: HW

Well ID: MW-30 Date Monitored: 10-16-17
 Well Diameter: 2 1/4 in.
 Total Depth: 94.40 ft.
 Depth to Water: 65.59 ft. Check if water column is less than 0.50 ft.
28.81 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0505 Weather Conditions: Dark
 Sample Time/Date: 0555 10-17-17 Water Color: Clear Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Clear
 Did well de-water? Y If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 65.77

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0523	3.6	7.69	1214	12.82	1.38	145	65.66
0526	4.2	7.62	1220	12.80	1.35	140	65.70
0529	4.8	7.58	1223	12.80	1.30	140	65.77

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~68.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: AW

Well ID: MW-31 Date Monitored: 10-16-17
 Well Diameter: Ø 14 in.
 Total Depth: 92.34 ft.
 Depth to Water: 63.98 ft. Check if water column is less than 0.50 ft.
28.36 xVF = = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0610 Weather Conditions: Dawn
 Sample Time/Date: 0700 / 10-17-17 Water Color: Cloudy Odor: Y 100
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? If yes, Time: _____ Volume: _____ ltr's DTW @ Sampling: 64.12

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (- / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0628</u>	<u>3.6</u>	<u>8.11</u>	<u>1481</u>	<u>13.82</u>	<u>1.20</u>	<u>116</u>	<u>64.02</u>
<u>0631</u>	<u>4.2</u>	<u>8.05</u>	<u>1490</u>	<u>13.88</u>	<u>1.22</u>	<u>110</u>	<u>64.06</u>
<u>0634</u>	<u>4.3</u>	<u>8.01</u>	<u>1496</u>	<u>13.94</u>	<u>1.23</u>	<u>110</u>	<u>64.12</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~66-0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: HW

Well ID: MW-36 Date Monitored: 10-16-17
 Well Diameter: 2 1/4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 27.43 ft. Check if water column is less than 0.50 ft.
22.06 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: N/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 10/16-10/18/17 (inclusive)
 City: Chelan, WA Sampler: ju

Well ID: MW-37 Date Monitored: 10-16-17
 Well Diameter: 214 in.
 Total Depth: 93.03 ft.
 Depth to Water: 66.52 ft. Check if water column is less than 0.50 ft.
26.51 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters
 Peristaltic Pump _____
 QED Bladder Pump
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0400 Weather Conditions: Dark
 Sample Time/Date: 0450 / 10/17/17 Water Color: Cloudy Odor: Y 10
 Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 66.68

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0418</u>	<u>3.6</u>	<u>6.59</u>	<u>230</u>	<u>11.89</u>	<u>1.14</u>	<u>157</u>	<u>66.58</u>
<u>0421</u>	<u>4.2</u>	<u>6.62</u>	<u>241</u>	<u>11.93</u>	<u>1.16</u>	<u>150</u>	<u>66.63</u>
<u>0424</u>	<u>4.6</u>	<u>6.64</u>	<u>244</u>	<u>11.94</u>	<u>1.20</u>	<u>146</u>	<u>66.68</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~ 75.0ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 10/16-10/18/17 (inclusive)
 Sampler: PH

Well ID: MW-38
 Well Diameter: 2 1/4 in.
 Total Depth: 46.28 ft.
 Depth to Water: 46.07 ft.
0.21 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: Insufficient H2O - No sample

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 10/16 - 10/18/17 (inclusive)
Sampler: AU

Well ID: MW-39
Well Diameter: 2.4 in.
Total Depth: 48.45 ft.
Depth to Water: 42.31 ft.
3.14 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 10-16-17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
Sample Time/Date: 0805 / 10-17-17
Approx. Flow Rate: _____ mlpm
Did well de-water? If yes, Time: _____

Weather Conditions: Cloudy
Water Color: Cloudy Odor: Y / N
Sediment Description: Cloudy
Volume: _____ ltrs DTW @ Sampling: 42.31

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-39	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
2	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: _____
Attempted to purge via QED, unsuccessful due to low water volume, no discharge.
No purge sample taken. Well denatured during sampling. Only VOA's filled

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested																	
Facility # SS#9-6590-OML G-R#17156610 WBS			Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Total Number of Containers _____			BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> EDC (8260) METHANE <input checked="" type="checkbox"/> (RSKCP-175M) NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6.110B) _____																	
Site Address 232 East Woodin Avenue, CHELAN, WA																							
Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire																							
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568																							
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)																							
Consultant Phone # (925) 551-7444 x180																							
Sampler Alex Wong			3																				
2 Sample Identification		Collected		Grab	Composite																		
		Date	Time																				
RA		171017	/	X		X		2	X		X		X		X		X		X		X		X
Dup		171117	/	X		X		8	X		X		X		X		X		X		X		X
mw-15			1055					14															
mw-23			1220					14															
mw-28			0930					14															
mw-30			0555					10															
mw-31			0700					10															
mw-37			0450					10															
mw-39			0805					6															
MW-5		171018	1150					10															
mw-6			1040					14															
mw-7			0915					14															
mw-8			0755					14															

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard	5 day	4 day
		EDF/EDD
72 hour	48 hour	24 hour

Relinquished by _____	Date _____	Time _____	Received by _____	Date _____	Time _____
Relinquished by _____	Date _____	Time _____	Received by _____	Date _____	Time _____

8 Data Package (circle if required)

Type I - Full Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FL_05 (default) Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C

Received by _____

Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										
Facility # SS#9-6590-OML G-R#17156610 WBS			Sediment <input type="checkbox"/>	Ground <input checked="" type="checkbox"/>	Surface <input type="checkbox"/>	Total Number of Containers	BTEX 8260 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/>	8260 MTBE EDC (8260)	METHANE (8260) (RSKOP-175M)	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/>	NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/>	WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/>	Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B)	DISSOLVED LEAD (6010B)	DISSOLVED MANGANESE (6010B)
Site Address 232 East Woodin Avenue, CHELAN, WA																
Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire																
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568																
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)																
Consultant Phone # (925) 551-7444 x180																
Sampler Alex Wong																

- SCR #: _____
- Results in Dry Weight
 - J value reporting needed
 - Must meet lowest detection limits possible for 8260 compounds
 - 8021 MTBE Confirmation
 - Confirm MTBE + Naphthalene
 - Confirm highest hit by 8260
 - Confirm all hits by 8260
 - Run _____ oxy's on highest hit
 - Run _____ oxy's on all hits

2 Sample Identification		Collected		3 Grab	Composite	Soil <input type="checkbox"/>	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Total Number of Containers	BTEX 8260 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/>	8260 MTBE EDC (8260)	METHANE (8260) (RSKOP-175M)	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/>	NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/>	WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/>	Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B)	DISSOLVED LEAD (6010B)	DISSOLVED MANGANESE (6010B)	
Date	Time	Date	Time																	
mw-17	171018	0505	X				X		X	X	X	X	X	X	X	X	X	X	X	
mw-18	↓	0630	↓				↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day

72 hour 48 hour **EDF/EDD** 24 hour

Relinquished by _____	Date _____	Time _____	Received by _____	Date 10/20/17	Time 940
Relinquished by _____	Date _____	Time _____	Received by _____	Date _____	Time _____

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**

Type VI (Raw Data) CVX-RTBU-FL_05 (default)

Other: _____

Relinquished by Commercial Carrier: Received by _____

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # _____
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested					
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Total Number of Containers			<input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates EDB EDB (801) <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method NITRATE/SULFATE (EPA 300) FERRUS IRON (SM 70 3500 Fe-B197) ALKALINITY (2320 B-1991)					
Site Address 232 East Woodin Avenue, CHELAN, WA											
Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire											
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568											
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)											
Consultant Phone # (925) 551-7444 x180			3 Composite								
Sampler Alex Worg											

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

2 Sample Identification	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	Oxygenates	EDB (801)	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	NITRATE/SULFATE (EPA 300)	FERRUS IRON (SM 70 3500 Fe-B197)	ALKALINITY (2320 B-1991)		
	Date	Time																									
MW-5	171018	1150	X			X		2						X													
MW-6	↓	1040	↓					6						X									X	X	X		
MW-7	↓	0915	↓					1																			
MW-8	↓	0755	↓					1																			
MW-17	↓	0505	↓					1																			
MW-18	↓	0630	↓					1																			

6 Remarks

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.

7 Turnaround Time Requested (TAT) (please circle)			Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____	
Standard	5 day	4 day	Relinquished by Date 171018 Time 1300		Received by _____ Date _____ Time _____	
72 hour	48 hour	EDF/EDD 24 hour				

8 Data Package (circle if required)		EDD (circle if required)		Relinquished by Commercial Carrier: _____ Received by _____	
Type I - Full		CVX-RTBU-FL_05 (default)		UPS _____ FedEx _____ Other _____	Date _____ Time _____
Type VI (Raw Data)		Other: _____		Temperature Upon Receipt _____ °C	Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested					
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates EDB (801) EDB (801) NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/> NItrate/Sulfate (EPA 300) FERROUS IRON (9m 20 3500 Fe-B 197) ALKALINITY (2520 B-191)					
Site Address 232 East Woodin Avenue, CHELAN, WA											
Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire											
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568											
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)											
Consultant Phone # (925) 551-7444 x180											
Sampler Alex Wong											

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

2 Sample Identification	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8260 full scan	Oxygenates	Lead	Total	Diss.	Method	NItrate/Sulfate (EPA 300)	FERROUS IRON (9m 20 3500 Fe-B 197)	ALKALINITY (2520 B-191)
	Date	Time																
mw-15	7/10/17	1055	X			X		6								X	X	X
mw-23		1220						6								X	X	X
mw-28		0930						6								X	X	X
mw-30		0555						2								X	X	X
mw-31		0700						2								X	X	X
mw-37		0450						2								X	X	X
mw-39		0805						2								X	X	X

6 Remarks

DISSOLVE AND SAMPLE FIELD FIL REPORT FOR Dx w GRA CLEANOUT CLEAR

7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 72 hour 4 day EDF/EDD 24 hour	Relinquished by _____	Date 17/10/17	Time 1500	Received by _____	Date	Time
	Relinquished by _____	Date	Time	Received by _____	Date	Time

8 Data Package (circle if required) Type I - Full Type VI (Raw Data)	EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____	Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____			Received by _____	Date	Time
		Temperature Upon Receipt _____ °C			Custody Seals Intact? Yes No		



GETTLER-RYAN Inc.



TRANSMITTAL

December 14, 2017
G-R #17156610

TO: Mr. Russell Shropshire
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

FROM: Deanna L. Harding
Project Manager
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: **Chevron Service Station
#9-6590
232 Woodin Avenue
Chelan, Washington**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Fourth Quarter Event of December 3, 4, & 5, 2017

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-6590



GETTLER - RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#: Chevron #9-6590	Date: 12/3-5/17
Address: 232 Woodin Avenue	
City/St.: Chelan, WA	
Status of Site: STATION / STREET	

DRUMS:

Please list below ALL DRUMS on site:

(i.e., drum description, condition, labeling, contents and location of drums)



#	Description	Condition	Labeling	Contents/Capacity	Location
1	55 gal	Good	Yes	150%	BEHIND STATION
2	↓	↓	↓	150%	↓

WELLS:

Please check the condition of ALL WELLS on site:

(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-2	NA	NA	N	N	OPW 12/8	
MW-5	OK	OK			MORMS 8/2	
MW-6						3
MW-7						↓
MW-8						2
MW-9						↓
MW-10						3
MW-12						
MW-15						
MW-16						
MW-17						
MW-18						
MW-19						
MW-21						
MW-22						
MW-23						↓
MW-25						12
MW-27						8
MW-28						
MW-30						
MW-31						
MW-36						
MW-37						
MW-38						
MW-39						

Additional Comments/Observations:

Was the fence for the compound locked? **Y**/N

Was the drum storage locker locked and secured? **Y**/N

Is the signage on the fence present and legible? **Y**/N

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "*Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures.*"

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet. Total well depths are measured annually.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T ($\pm 10\%$), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: 2(4) in.
 Total Depth: 23.60 ft.
 Depth to Water: 20.69 ft.
2.91 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	<u>⊗</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 2.4 in.
 Total Depth: 34.85 ft.
 Depth to Water: 20.35 ft.
14.50 xVF = _____

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump ✓
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0645
 Sample Time/Date: 0735 12/4/17
 Approx. Flow Rate: 000 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: COLD
 Water Color: BROWN Odor: Y/N
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 20.42

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0703</u>	<u>3.6</u>	<u>7.27</u>	<u>1.931</u>	<u>15.11</u>	<u>4.14</u>	<u>-17.9</u>	<u>20.41</u>
<u>0706</u>	<u>4.2</u>	<u>7.24</u>	<u>1.930</u>	<u>15.09</u>	<u>4.12</u>	<u>-18.1</u>	<u>20.41</u>
<u>0709</u>	<u>4.8</u>	<u>7.23</u>	<u>1.928</u>	<u>15.05</u>	<u>4.11</u>	<u>-18.5</u>	<u>20.42</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	(x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	(x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: 22.50ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-6 Date Monitored: 12/3/17
 Well Diameter: 204 in.
 Total Depth: 35.81 ft.
 Depth to Water: 24.48 ft. Check if water column is less than 0.50 ft.
11.33 xVF = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 1135 Weather Conditions: COLD
 Sample Time/Date: 1240 12/4/17 Water Color: CLEAR Odor: NDN SL/645
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.53

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1153</u>	<u>3.6</u>	<u>7.39</u>	<u>1.234</u>	<u>12.04</u>	<u>3.44</u>	<u>-31.2</u>	<u>24.52</u>
<u>1156</u>	<u>4.2</u>	<u>7.77</u>	<u>1.230</u>	<u>13.99</u>	<u>3.40</u>	<u>-31.9</u>	<u>24.53</u>
<u>1159</u>	<u>4.8</u>	<u>7.34</u>	<u>1.227</u>	<u>13.96</u>	<u>3.37</u>	<u>-32.6</u>	<u>24.53</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>5</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>5</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 26.50ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-7
 Well Diameter: 274 in.
 Total Depth: 34.93 ft.
 Depth to Water: 22.56 ft.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

12.37 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer: —
 Stainless Steel Bailer: —
 Stack Pump: —
 Peristaltic Pump: —
 QED Bladder Pump: X
 Other: —

Sampling Equipment:

Disposable Bailer: —
 Pressure Bailer: —
 Metal Filters: X
 Peristaltic Pump: —
 QED Bladder Pump: X
 Other: —

Time Started: — (2400 hrs)
 Time Completed: — (2400 hrs)
 Depth to Product: — ft
 Depth to Water: — ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: —
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: — ltr
 Amt Removed from Well: — ltr
 Water Removed: — ltr
 Product Transferred to: —

Start Time (purge): 1255
 Sample Time/Date: 1400 / 12/4/17
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: —

Weather Conditions: COLD
 Water Color: CLOUDY Odor: YDN MODERATE
 Sediment Description: SLT SILT
 Volume: — ltrs DTW @ Sampling: 22.60

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S/cm}$)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1313</u>	<u>3.6</u>	<u>7.37</u>	<u>1780</u>	<u>13.54</u>	<u>2.75</u>	<u>-36.2</u>	<u>22.50</u>
<u>1316</u>	<u>4.2</u>	<u>7.34</u>	<u>1784</u>	<u>13.51</u>	<u>2.74</u>	<u>-35.7</u>	<u>22.60</u>
<u>1319</u>	<u>4.8</u>	<u>7.33</u>	<u>1780</u>	<u>13.49</u>	<u>2.72</u>	<u>-35.6</u>	<u>22.61</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x vva vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vva vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vva vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vva vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: 224.00ft.

Add/Replaced Gasket: — Add/Replaced Bolt: — Add/Replaced Plug: — Add/Replaced Lock: —



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/8-5/12 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-8 Date Monitored: 12/3/17
 Well Diameter: 3.14 in.
 Total Depth: 34.96 ft.
 Depth to Water: 20.76 ft. Check if water column is less than 0.50 ft.
14.20 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: -

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1015 Weather Conditions: COLD
 Sample Time/Date: 1120 12/4/17 Water Color: CLOUDY Odor: NO SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SLT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.82

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1033</u>	<u>3.6</u>	<u>7.42</u>	<u>1.520</u>	<u>12.49</u>	<u>5.26</u>	<u>-16.0</u>	<u>20.81</u>
<u>1036</u>	<u>4.8</u>	<u>7.41</u>	<u>1.519</u>	<u>13.47</u>	<u>5.22</u>	<u>-15.9</u>	<u>20.82</u>
<u>1039</u>	<u>4.8</u>	<u>7.39</u>	<u>1.516</u>	<u>13.45</u>	<u>5.20</u>	<u>-15.8</u>	<u>20.82</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>0</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>2</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 23:00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 2.4 in.
 Total Depth: 40.49 ft.
 Depth to Water: 32.38 ft.
8.91 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 29.58 ft
 Depth to Water: 32.38 ft
 Hydrocarbon Thickness: 2.80 ft
 Visual Confirmation/Description:
LT Brown / oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: N/A M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-10
 Well Diameter: (2 1/4) in.
 Total Depth: 37.86 ft.
 Depth to Water: 25.42 ft.
12.44 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 24.64 ft
 Depth to Water: 25.42 ft
 Hydrocarbon Thickness: 0.78 ft
 Visual Confirmation/Description:
LT Brown/only
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ampers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ampers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-12
 Well Diameter: (2) 4 in.
 Total Depth: 37.01 ft.
 Depth to Water: 22.23 ft.
14.78 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 20.62 ft
 Depth to Water: 22.23 ft
 Hydrocarbon Thickness: 1.61 ft
 Visual Confirmation/Description:
CS Brown / oily
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/10

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-15
 Well Diameter: 2 1/4 in.
 Total Depth: 39.99 ft.
 Depth to Water: 23.35 ft.
16.64 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump x
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0835 Weather Conditions: COLD
 Sample Time/Date: 1000/12/4/17 Water Color: BROWN Odor: YN MODERATE
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 23:40

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{cm}$)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0853</u>	<u>3.6</u>	<u>8.04</u>	<u>0.696</u>	<u>12.72</u>	<u>3.90</u>	<u>-24.2</u>	<u>23.39</u>
<u>0856</u>	<u>4.2</u>	<u>8.02</u>	<u>0.694</u>	<u>12.69</u>	<u>3.84</u>	<u>-23.9</u>	<u>23.40</u>
<u>0859</u>	<u>4.8</u>	<u>8.01</u>	<u>0.691</u>	<u>12.62</u>	<u>3.81</u>	<u>-23.6</u>	<u>23.40</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~25.00ft
DWP TAKEN FROM THIS WELL.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-16
 Well Diameter: 214 in.
 Total Depth: 50.02 ft.
 Depth to Water: 36.22 ft.
13.80 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>36.02</u>	ft
Depth to Water:	<u>36.22</u>	ft
Hydrocarbon Thickness:	<u>0.15</u>	ft
Visual Confirmation/Description:	<u>CF Blow / only</u>	
Skimmer / Absorbent Sock (circle one)		
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: WA Mb

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-17 Date Monitored: 12/3/17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.40 ft.
 Depth to Water: 20.80 ft. Check if water column is less than 0.50 ft.
17.60 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: cd ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0430 Weather Conditions: COLD
 Sample Time/Date: 0535 12/5/17 Water Color: CLEAR Odor: YDN SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 20.85

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0448</u>	<u>3.6</u>	<u>7.24</u>	<u>0.999</u>	<u>10.65</u>	<u>3.09</u>	<u>-109.1</u>	<u>20.84</u>
<u>0451</u>	<u>4.2</u>	<u>7.22</u>	<u>0.992</u>	<u>10.63</u>	<u>3.07</u>	<u>-108.8</u>	<u>20.85</u>
<u>0454</u>	<u>4.8</u>	<u>7.20</u>	<u>0.995</u>	<u>10.62</u>	<u>3.05</u>	<u>-108.4</u>	<u>20.85</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>6 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>NWTPH-GxBTEX(8260)/EDC(8260)</u>
	<u>2 x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>NWTPH-Dx w/sgc COLUMN/NWTPH-Dx</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>METHANE(RSKOP-175M)</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED LEAD(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED LEAD(6010B)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>TOTAL LEAD(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>TOTAL LEAD(6010B)</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>Na2S2O3</u>	<u>EUROFINS</u>	<u>EDB(8011)</u>

COMMENTS: Depth Pump Set At: ≈ 23.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-18 Date Monitored: 12/3/17
 Well Diameter: 2 1/4 in.
 Total Depth: 39.05 ft.
 Depth to Water: 19.47 ft. Check if water column is less than 0.50 ft.
19.58 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailor _____
 Stainless Steel Bailor _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailor _____
 Pressure Bailor _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: Ø ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0550 Weather Conditions: COLD
 Sample Time/Date: 0655 / 12/5/17 Water Color: CCOAR Odor: Ø N SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 19.51

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{mS}$ / $\mu\text{mhos}/\text{cm}$)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0608</u>	<u>3.6</u>	<u>7.91</u>	<u>752</u>	<u>11.29</u>	<u>3.72</u>	<u>-29.1</u>	<u>19.51</u>
<u>0611</u>	<u>4.2</u>	<u>7.90</u>	<u>750</u>	<u>11.26</u>	<u>3.71</u>	<u>-28.8</u>	<u>19.51</u>
<u>0614</u>	<u>4.8</u>	<u>7.87</u>	<u>747</u>	<u>11.22</u>	<u>3.69</u>	<u>-28.5</u>	<u>19.51</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-18</u>	<u>6 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>NWTPH-Gx/BTEX(8260)/EDC(8260)</u>
	<u>2x 1 liter ambers</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>NWTPH-Dx w/sgc COLUMN/NWTPH-Dx</u>
	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>METHANE(RSKOP-175M)</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>NITRATE/SULFATE(EPA 300.0)</u>
	<u>1 x 250ml ambers</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>FERROUS IRON(SM20 3500 Fe-B- 1197)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>ALKALINITY(2320 B-1991)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED MANGANESE(6010B)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED LEAD(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>DISSOLVED LEAD(6010B)</u>
	<u>1 x 250ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>TOTAL LEAD(6010B)</u>
	<u>x 500ml poly</u>	<u>YES</u>	<u>HNO3</u>	<u>EUROFINS</u>	<u>TOTAL LEAD(6010B)</u>
	<u>2 x voa vial</u>	<u>YES</u>	<u>Na2S2O3</u>	<u>EUROFINS</u>	<u>EDB(8011)</u>

COMMENTS: Depth Pump Set At: ~21.50ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-19
 Well Diameter: 2.4 in.
 Total Depth: 40.04 ft.
 Depth to Water: 23.22 ft.
16.82 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	_____	ft
Depth to Water:	_____	ft
Hydrocarbon Thickness:	<u>Ø</u>	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/G

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/12 (inclusive)
 Sampler: GM

Well ID: MW-21
 Well Diameter: (2) 4 in.
 Total Depth: 39.93 ft.
 Depth to Water: 24.65 ft.
15.28 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ✓

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____	(2400 hrs)
Time Completed:	_____	(2400 hrs)
Depth to Product:	<u>22.12</u>	ft
Depth to Water:	<u>24.65</u>	ft
Hydrocarbon Thickness:	<u>2.53</u>	ft
Visual Confirmation/Description:	<u>CT Brown / oily</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: N/A SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-22
 Well Diameter: 21.4 in.
 Total Depth: 41.16 ft.
 Depth to Water: 22.29 ft.
18.87 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0.0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/L

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-23 Date Monitored: 12/3/17
 Well Diameter: 2 1/4 in.
 Total Depth: 38.20 ft.
 Depth to Water: 24.11 ft. Check if water column is less than 0.50 ft.
14.09 xVF = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0710 Weather Conditions: COLD
 Sample Time/Date: 0815/12/5/17 Water Color: CLEAR Odor: Y 180
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 24.18

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0728</u>	<u>3.6</u>	<u>8.04</u>	<u>.662</u>	<u>10.17</u>	<u>6.27</u>	<u>59.0</u>	<u>24.17</u>
<u>0731</u>	<u>4.2</u>	<u>8.01</u>	<u>.659</u>	<u>10.13</u>	<u>6.24</u>	<u>58.9</u>	<u>24.18</u>
<u>0734</u>	<u>4.8</u>	<u>7.99</u>	<u>.654</u>	<u>10.12</u>	<u>6.22</u>	<u>58.5</u>	<u>24.18</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-23</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>6</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>5</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>2</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~26.50 ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3/17 (inclusive)
 Sampler: GM

Well ID: MW-25
 Well Diameter: 2 1/4 in.
 Total Depth: 51.50 ft.
 Depth to Water: 28.91 ft.
22.59 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	<u>28.89</u> ft
Depth to Water:	<u>28.91</u> ft
Hydrocarbon Thickness:	<u>0.02</u> ft
Visual Confirmation/Description:	<u>LT BROWN / OILY</u>
Skimmer / Absorbent Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/W

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-27
 Well Diameter: 24 in.
 Total Depth: 40.04 ft.
 Depth to Water: 28.64 ft.
11.40 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.68	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump NA
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump NA
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 22.88 ft
 Depth to Water: 28.64 ft
 Hydrocarbon Thickness: 5.76 ft
 Visual Confirmation/Description:
4.3 ppm BILY
 Skimmer / Absorbent Sock (circle one) _____
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-28 Date Monitored: 12/3/17
 Well Diameter: 21.4 in.
 Total Depth: 38.32 ft.
 Depth to Water: 18.87 ft. Check if water column is less than 0.50 ft.
19.45 xVF = = x3 case volume = Estimated Purge Volume: gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump X
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters X
 Peristaltic Pump X
 QED Bladder Pump X
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: X ft
 Visual Confirmation/Description: X
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0830 Weather Conditions: COLD
 Sample Time/Date: 0935 12/5/17 Water Color: CLEAR Odor: YTD
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 18.91

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / µS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0848</u>	<u>3.6</u>	<u>7.68</u>	<u>779</u>	<u>13.08</u>	<u>6.20</u>	<u>39.1</u>	<u>18.90</u>
<u>0851</u>	<u>4.2</u>	<u>7.64</u>	<u>776</u>	<u>13.06</u>	<u>6.19</u>	<u>39.5</u>	<u>18.91</u>
<u>0854</u>	<u>4.8</u>	<u>7.62</u>	<u>771</u>	<u>13.02</u>	<u>6.17</u>	<u>39.9</u>	<u>18.91</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-28</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	<u>3</u> x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	<u>2</u> x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	<u>1</u> x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	<u>1</u> x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 21.02 ft



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-30 Date Monitored: 12/3/17
 Well Diameter: 2 1/4 in.
 Total Depth: 94.40 ft.
 Depth to Water: 108.25 ft. Check if water column is less than 0.50 ft.
26.15 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0330 Weather Conditions: COLD
 Sample Time/Date: 0420/12/4/17 Water Color: CLEAR Odor: Y/N
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 68.30

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0348</u>	<u>3.6</u>	<u>7.74</u>	<u>0.146</u>	<u>11.89</u>	<u>5.74</u>	<u>37.0</u>	<u>68.29</u>
<u>0351</u>	<u>4.2</u>	<u>7.71</u>	<u>0.146</u>	<u>11.84</u>	<u>5.71</u>	<u>35.9</u>	<u>68.30</u>
<u>0354</u>	<u>4.8</u>	<u>7.68</u>	<u>0.145</u>	<u>11.81</u>	<u>5.69</u>	<u>35.4</u>	<u>68.30</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-30</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>1</u> x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ≈ 70.00ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 12/3-15/17 (inclusive)
Sampler: GM

Well ID: MW-31
Well Diameter: 214 in.
Total Depth: 9234 ft.
Depth to Water: 66.70 ft.
25.64 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump X
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump X
Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0435
Sample Time/Date: 0525/12/4/17
Approx. Flow Rate: 200 mlpm
Did well de-water? NO If yes, Time: _____

Weather Conditions: COLD
Water Color: CLEAR Odor: Y/N
Sediment Description: NO IS
Volume: _____ ltrs DTW @ Sampling: 66.73

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μS $\frac{ms}{cm}$)	Temperature ($^{\circ}$ F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0453</u>	<u>3.6</u>	<u>7.42</u>	<u>0.156</u>	<u>14.92</u>	<u>4.72</u>	<u>-31.6</u>	<u>66.73</u>
<u>0456</u>	<u>4.2</u>	<u>7.40</u>	<u>0.156</u>	<u>14.86</u>	<u>4.71</u>	<u>-32.4</u>	<u>66.77</u>
<u>0459</u>	<u>4.8</u>	<u>7.37</u>	<u>0.155</u>	<u>14.81</u>	<u>4.71</u>	<u>-33.09</u>	<u>66.73</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-31</u>	<u>6</u> x vva vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x vva vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x vva vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vva vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: \approx 69.004.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3-5/17 (inclusive)
 Sampler: GM

Well ID: MW-36
 Well Diameter: (2) 4 in.
 Total Depth: 49.49 ft.
 Depth to Water: 27.84 ft.
21.65 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA M/0

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590 Job Number: 17156610
 Site Address: 232 Woodin Avenue Event Date: 12/3-5/17 (inclusive)
 City: Chelan, WA Sampler: GM

Well ID: MW-37 Date Monitored: 12/3/17
 Well Diameter: 2 4 in.
 Total Depth: 93.03 ft.
 Depth to Water: 69.17 ft. Check if water column is less than 0.50 ft.
23.86 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.68	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump X
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0540 Weather Conditions: COLD
 Sample Time/Date: 0630 12/4/17 Water Color: CLEAR Odor: YN
 Approx. Flow Rate: 200 mlpm Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 69.23

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (μ S/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0558</u>	<u>3.6</u>	<u>7.55</u>	<u>0.331</u>	<u>13.14</u>	<u>5.88</u>	<u>-20.8</u>	<u>69.23</u>
<u>0601</u>	<u>4.2</u>	<u>7.54</u>	<u>0.329</u>	<u>13.11</u>	<u>5.89</u>	<u>-21.0</u>	<u>69.23</u>
<u>0604</u>	<u>4.8</u>	<u>7.52</u>	<u>0.324</u>	<u>13.08</u>	<u>5.82</u>	<u>-21.4</u>	<u>69.23</u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-37</u>	<u>6</u> x vov vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>2</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x vov vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x vov vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x vov vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: \approx 75.50ft

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
 Site Address: 232 Woodin Avenue
 City: Chelan, WA

Job Number: 17156610
 Event Date: 12/3/17 (inclusive)
 Sampler: GM

Well ID: MW-38
 Well Diameter: 2 1/4 in.
 Total Depth: 46.28 ft.
 Depth to Water: 46.06 ft.
0.22 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N
 Approx. Flow Rate: _____ mlpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: NA INSUFFICIENT H2O



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-6590
Site Address: 232 Woodin Avenue
City: Chelan, WA

Job Number: 17156610
Event Date: 12/3-5/17 (inclusive)
Sampler: GM

Well ID: MW-39
Well Diameter: 2.4 in.
Total Depth: 45.45 ft.
Depth to Water: 42.13 ft.
3.32 xVF = _____

Date Monitored: 12/3/17

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump X
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump X
Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0750 Weather Conditions: COLD
Sample Time/Date: 0820/12/4/17 Water Color: CLOUDY Odor: YIP SLIGHT
Approx. Flow Rate: 200 mlpm Sediment Description: CILT
Did well de-water? Yes If yes, Time: 0800 Volume: 2 ltrs DTW @ Sampling: 4450

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-39</u>	<u>6</u> x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)/EDC(8260)
	<u>1</u> x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc COLUMN/NWTPH-Dx
	x voa vial	YES	HCL	EUROFINS	METHANE(RSKOP-175M)
	x voa vial	YES	NP	EUROFINS	NITRATE/SULFATE(EPA 300.0)
	x 250ml ambers	YES	HCL	EUROFINS	FERROUS IRON(SM20 3500 Fe-B- 1197)
	x 250ml poly	YES	NP	EUROFINS	ALKALINITY(2320 B-1991)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED MANGANESE(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6010B)
	x 250ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	x 500ml poly	YES	HNO3	EUROFINS	TOTAL LEAD(6010B)
	<u>2</u> x voa vial	YES	Na2S2O3	EUROFINS	EDB(8011)

COMMENTS: Depth Pump Set At: ~44.50ft. WELL DEWATERED DURING INITIAL PURGE REMOVED QED AND GRAB SAMPLED NOT ARGU TO COLLECT ALL THE BOTTLES.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ Sample # _____
 For Eurofins Lancaster Laboratories use only
 Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks			
Facility # WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air	Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input checked="" type="checkbox"/> Total <input checked="" type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <u>6010B</u> FOC (8260) METHANE (RSKOP-17SAM) DISSOLVED MANGANESE (6010B) ALKALINITY (2320 B-1991)	Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits <input type="checkbox"/>										SCR #: _____ Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits <input type="checkbox"/>				
Site Address SS#9-6590-OML G-R#17156610																			
Chevron 222 East Woodin Avenue, CHELAN, WA Lead Consultant																			
Consultant Office LEIDOSRS Russell Shropshire																			
Consultant Phone # 609-658-1111																			
Consultant Grinc Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Phone # Deanna L. Harding, (deanna@grinc.com) Sampler (925) 551-7444 x180 GM			3 Composite																
2 Sample Identification		Collected		Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>															
		Date	Time																
QA		12/12/04	—																
MW-5			0735																
4			1240																
7			1400																
15			1120																
17			1000																
18		05	0535																
23			0655																
28			0815																
30			0935																
31		04	0420																
↓ 1.37			0630																
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by			Date			Time			Received by			Date		Time	
Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour EDF/EDD							12/12/04			8:10						12/17/04		8:10	
				Relinquished by			Date			Time			Received by			Date		Time	
8 Data Package (circle if required)				Relinquished by Commercial Carrier:			Date			Time			Received by			Date		Time	
Type I - Full <input type="checkbox"/> EDD (circle if required) Type VI (Raw Data) <input type="checkbox"/> CVX-RTBU-FL_05 (default) Other: _____				UPS _____ FedEx _____ Other _____ Temperature Upon Receipt _____ °C									Custody Seals Intact?			Yes _____ No _____			

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # _____ Group # _____ For Eurofins Lancaster Laboratories use only
 Sample # _____
 Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks			
2 Sample Identification				3 Composite		Total Number of Containers															
Facility #		Date		Grab	Composite	Soil	Water	Oil	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	Lead	Total	Diss.	Method		
Facility # WBS Site Address: CS#19-6590-OML G-R#17156610 22 East Woodin Avenue, CHELAN, WA Consultant: LEIDOSRS Russell Shropshire Consultant Project Manager: Deanna L. Harding, (deanna@grinc.com) Sampler: (925) 551-7444 x180 <i>GM</i>				Collected Date: 12/20/17 Time: _____		X					X		X	X	X		X				
MW-39 DUP Remove NWTPH-Dx w/sgc from the Dup sample Add Total & Dissolved lead bare 12/11/17				X					X		X	X	X		X						
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour EDF/EDD				Relinquished by: _____ Date: 12/20/17 Time: 8:10 Received by: _____ Date: 12/27/17 Time: 8:10																	
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____				Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____ Temperature Upon Receipt _____ °C				Received by _____ Date _____ Time _____ Custody Seals Intact? Yes No									

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

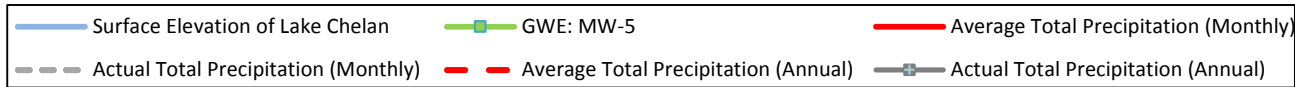
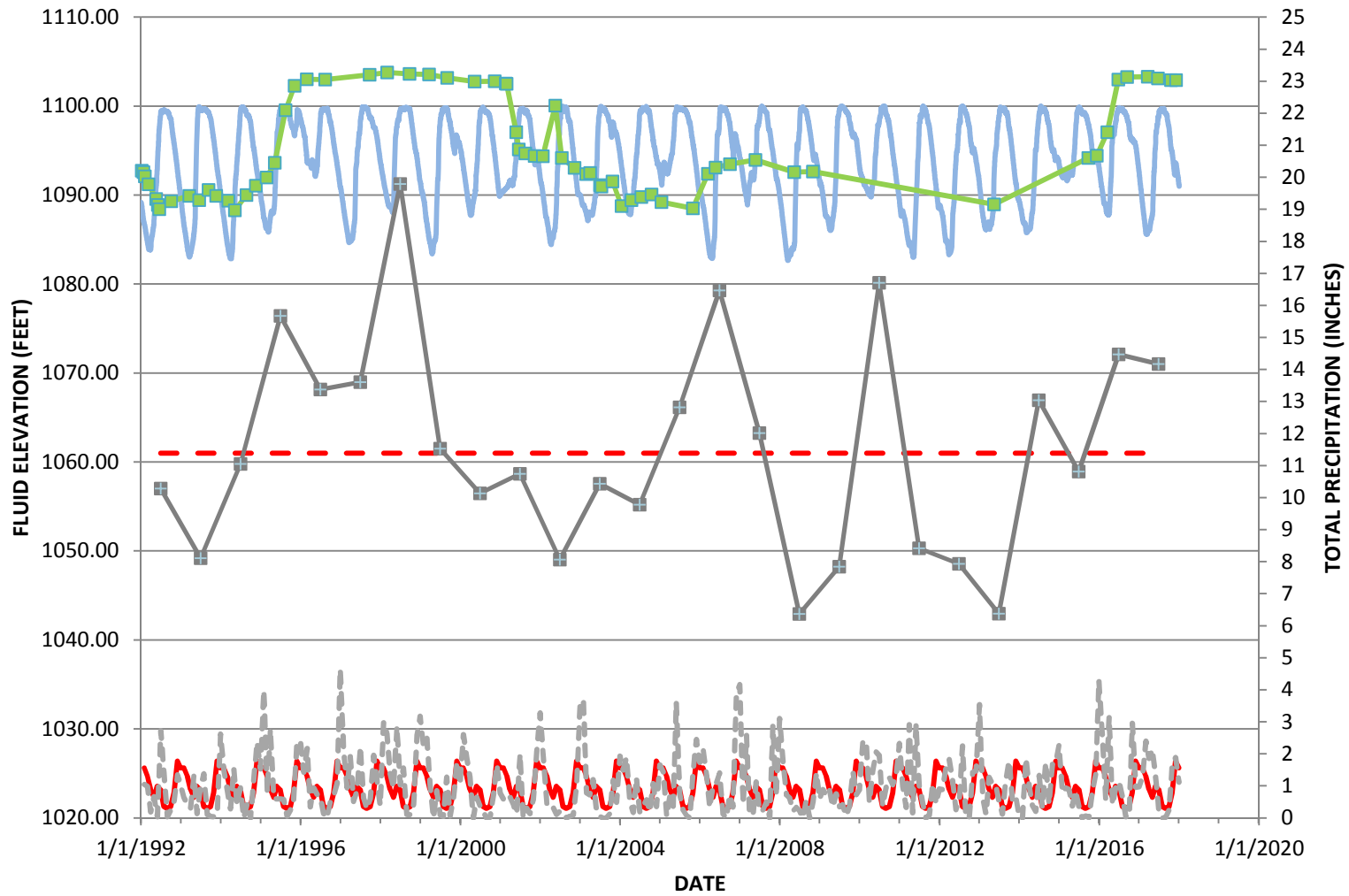
Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1883201 Sample # 9352162-73
Instructions on reverse side correspond with circled numbers.

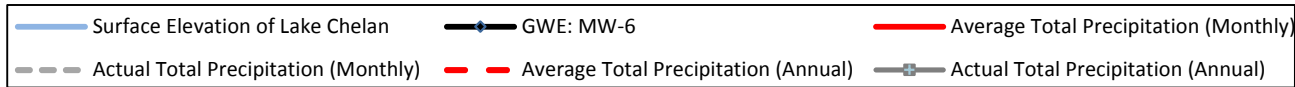
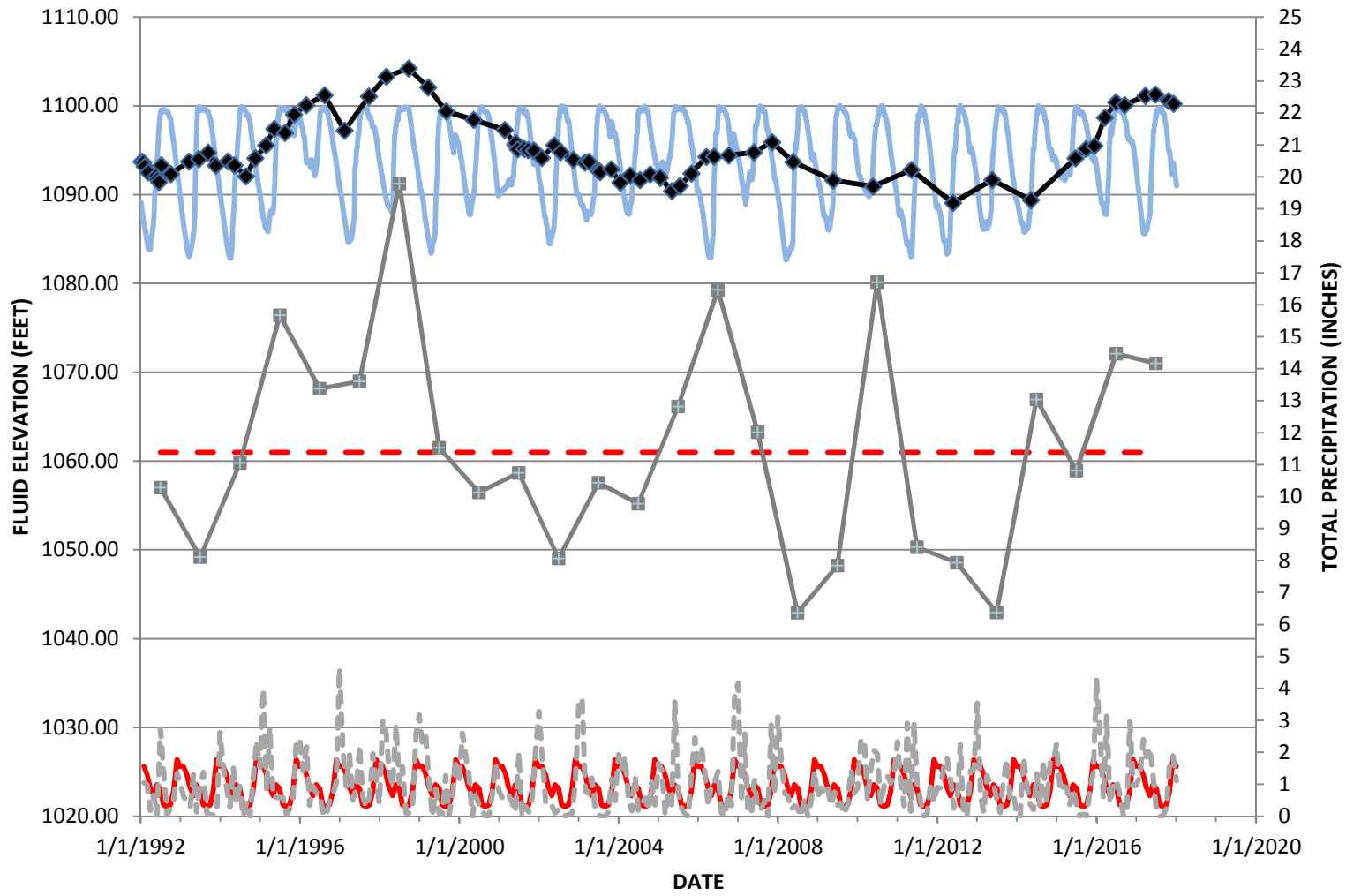
1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks										
Facility # <u>WBS</u>			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			<input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH Lead Total Diss. Method										SCR #: _____										
Site Address <u>SS#9-6590-OML G-R#17156610</u>			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers Total <u>5</u>										<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
Chevron <u>282 East Woodin Avenue, CHELAN, WA</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> EDB (801D) <input checked="" type="checkbox"/> FERROUS IRON (SM20 3500 Fe-B) <input checked="" type="checkbox"/> NITRATE/SULFATE (EPA 300.0)										DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.										
Consultant Office <u>LEIDOSRS</u>			<input type="checkbox"/> Composite			<input type="checkbox"/> Grab <input type="checkbox"/> NPDES																				
Consultant Project Mgr <u>Russell Shropshire</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH Lead Total Diss. Method																				
Consultant Phone # <u>Deanna L. Harding, (deanna@grinc.com)</u>			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers Total <u>5</u>																				
Sampler <u>(925) 551-7444 x180</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> EDB (801D) <input checked="" type="checkbox"/> FERROUS IRON (SM20 3500 Fe-B) <input checked="" type="checkbox"/> NITRATE/SULFATE (EPA 300.0)																				
2 Sample Identification		Collected		3																						
Sample ID <u>GM</u>		Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method			
<u>MW-28</u>	<u>12/20/17</u>	<u>0935</u>	<u>X</u>						<u>5</u>																	
<u>MW-17</u>	<u>12/20/17</u>	<u>0535</u>																								
<u>MW-18</u>	<u>12/20/17</u>	<u>0655</u>																								
<u>MW-23</u>	<u>12/20/17</u>	<u>0815</u>																								
<u>MW-28</u>	<u>12/20/17</u>	<u>0815</u>																								
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by <u>[Signature]</u>			Date <u>12/5/17</u>			Time <u>—</u>			Received by _____			Date _____			Time _____								
<input checked="" type="checkbox"/> Standard 5 day <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour			Relinquished by _____			Date _____			Time _____			Received by _____			Date _____			Time _____								
8 Data Package (circle if required)			Relinquished by Commercial Carrier:			Temperature Upon Receipt <u>0.7/1.3 °C</u>			Custody Seals Intact? <u>(Yes)</u>			Date <u>12/16/17</u>			Time <u>930</u>											
<input checked="" type="checkbox"/> EDD (circle if required) <input type="checkbox"/> Type I - Full <input type="checkbox"/> Type VI (Raw Data)			<input type="checkbox"/> UPS <u>X</u> <input type="checkbox"/> FedEx <input type="checkbox"/> Other			CVX-RTBU-FI_05 (default)			Other: _____			Date _____			Time _____											

Appendix B:
Groundwater Elevation Hydrographs

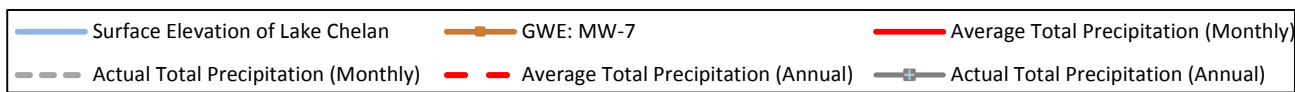
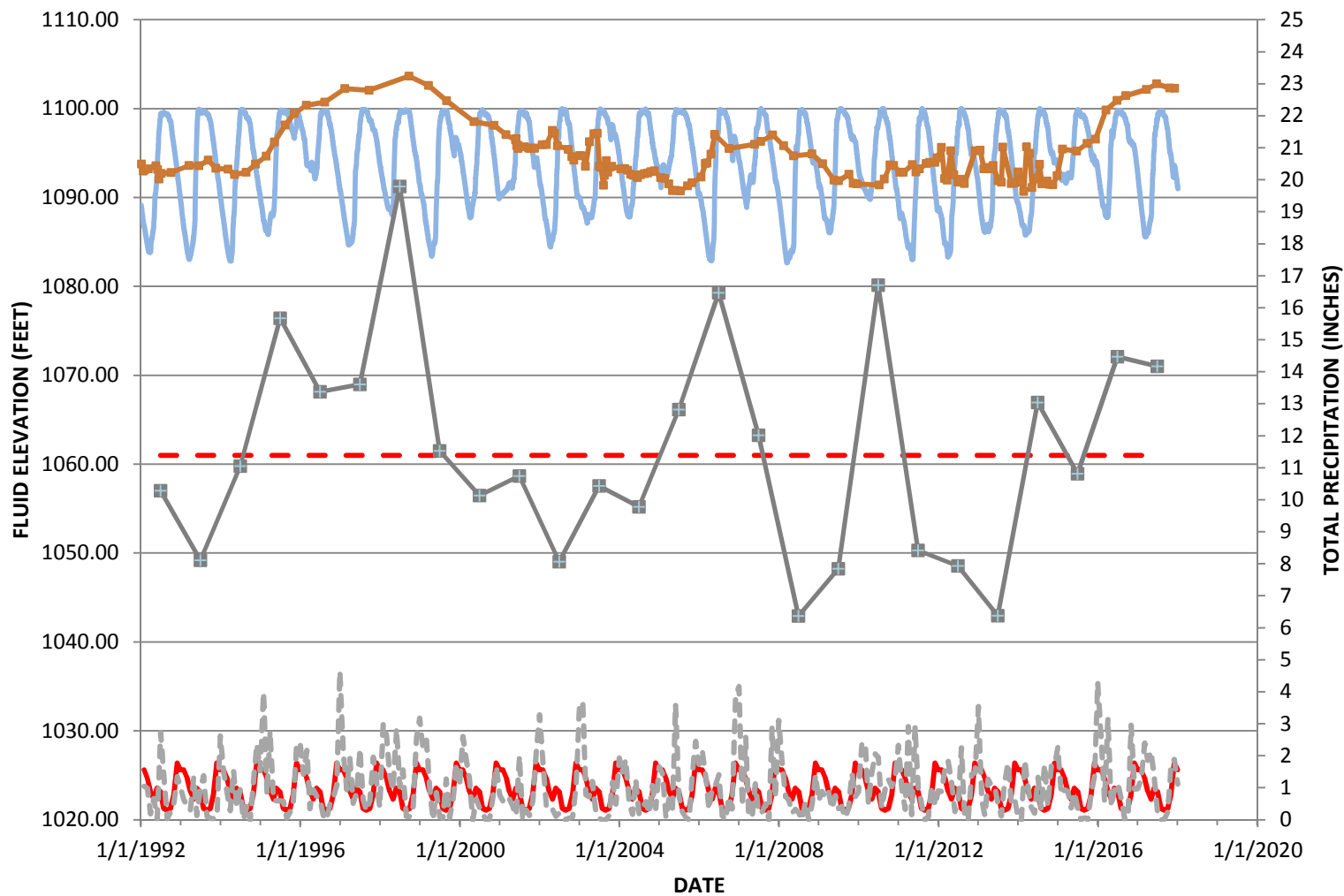
Groundwater Elevation Hydrograph: Monitoring Well MW-5



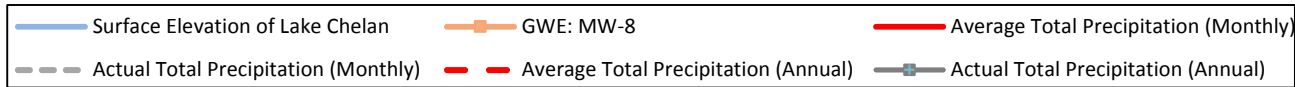
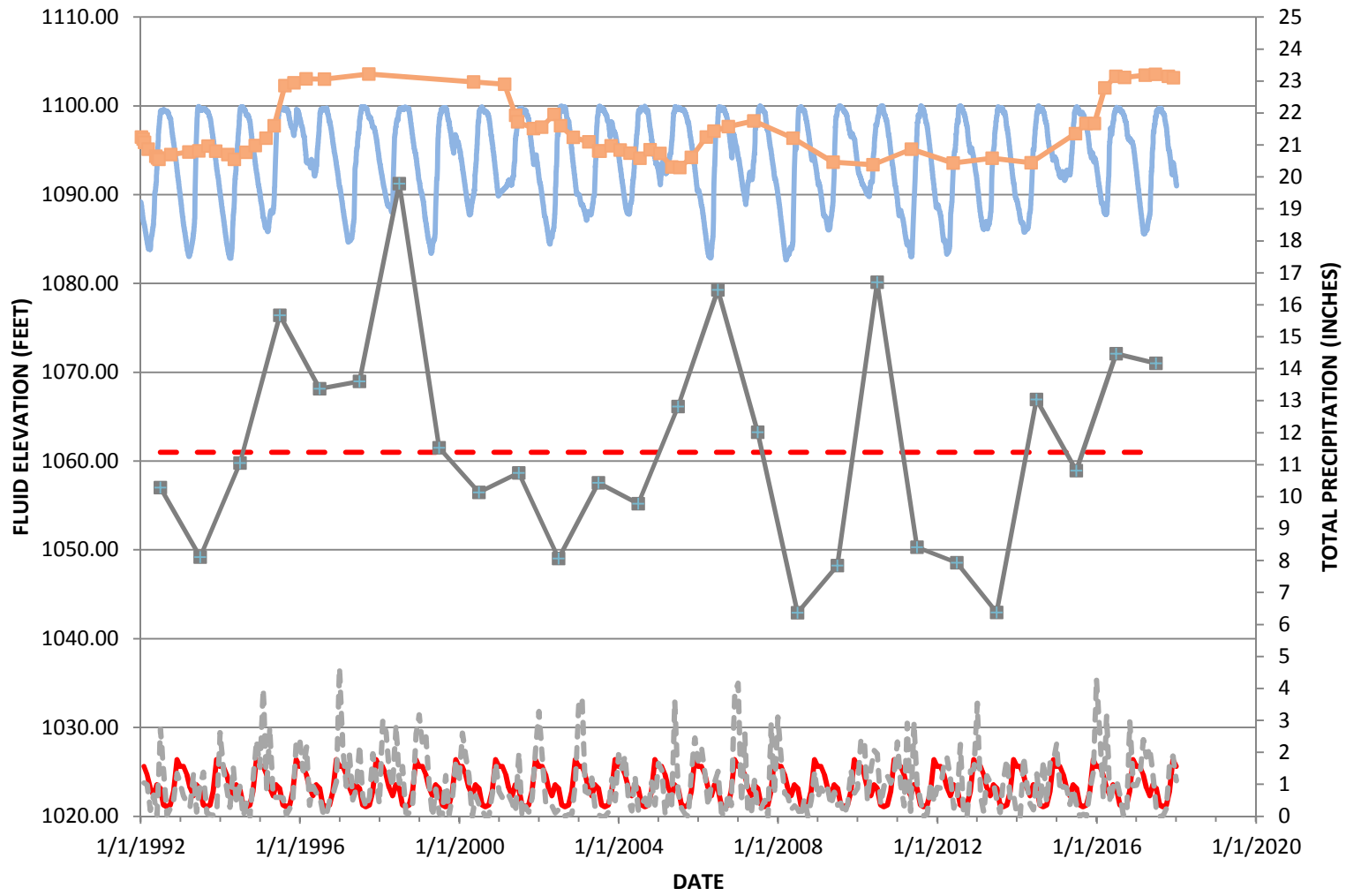
Groundwater Elevation Hydrograph: Monitoring Well MW-6



Groundwater Elevation Hydrograph: Monitoring Well MW-7

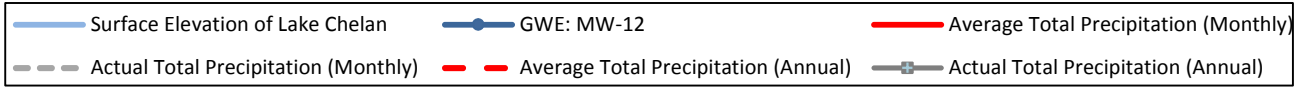
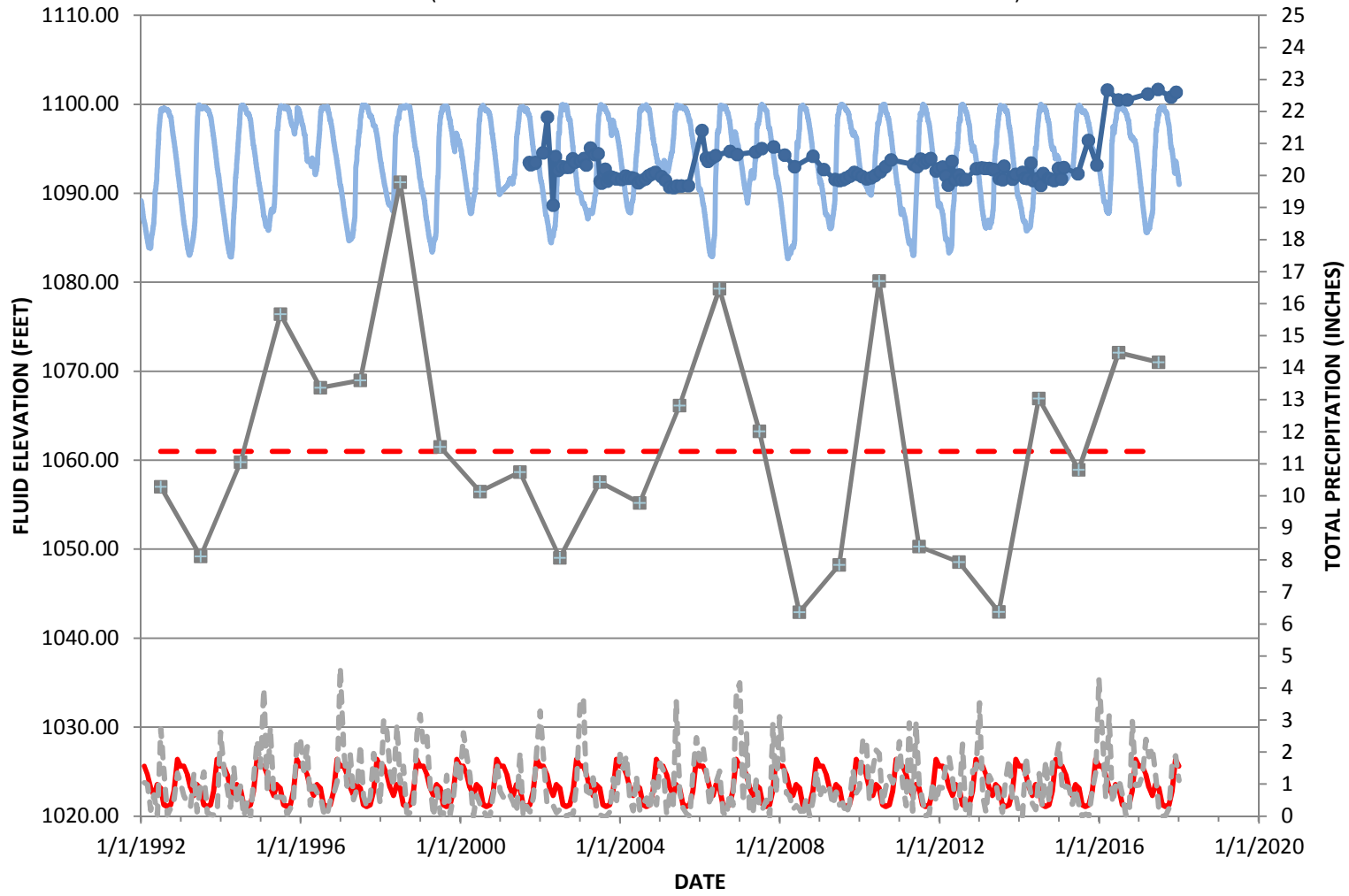


Groundwater Elevation Hydrograph: Monitoring Well MW-8



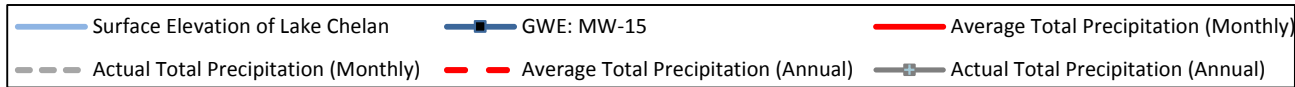
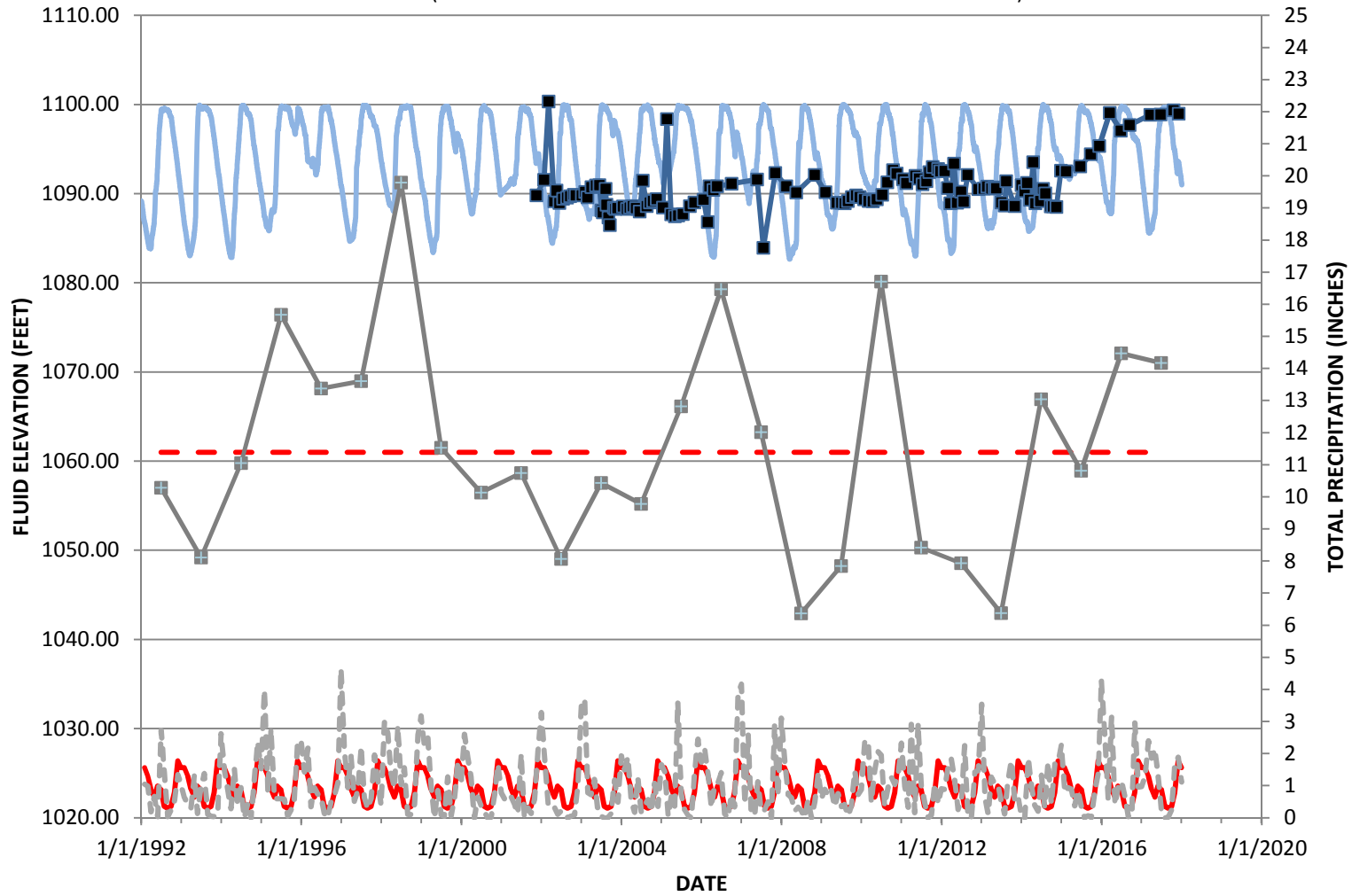
Groundwater Elevation Hydrograph: Monitoring Well MW-12

(Groundwater Elevation Corrected for the Presence of LNAPL)



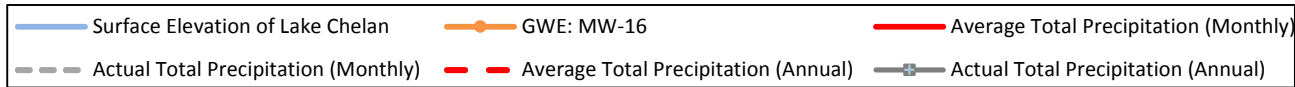
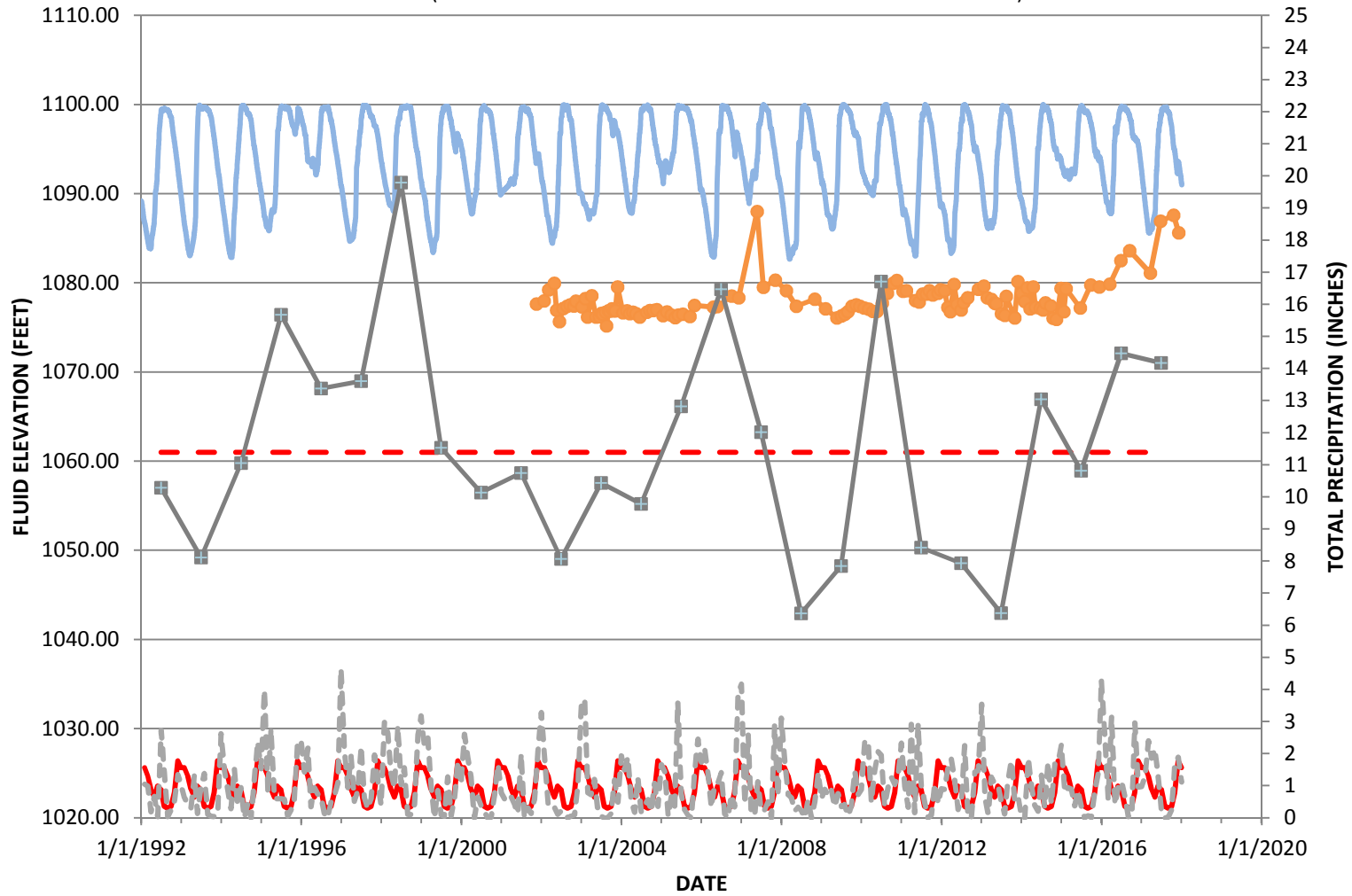
Groundwater Elevation Hydrograph: Monitoring Well MW-15

(Groundwater Elevation Corrected for the Presence of LNAPL)

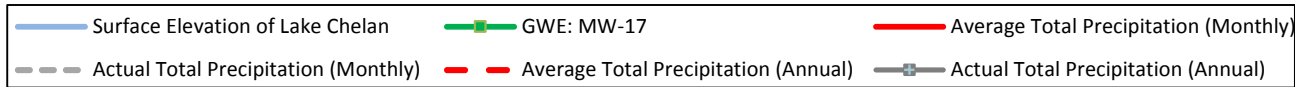
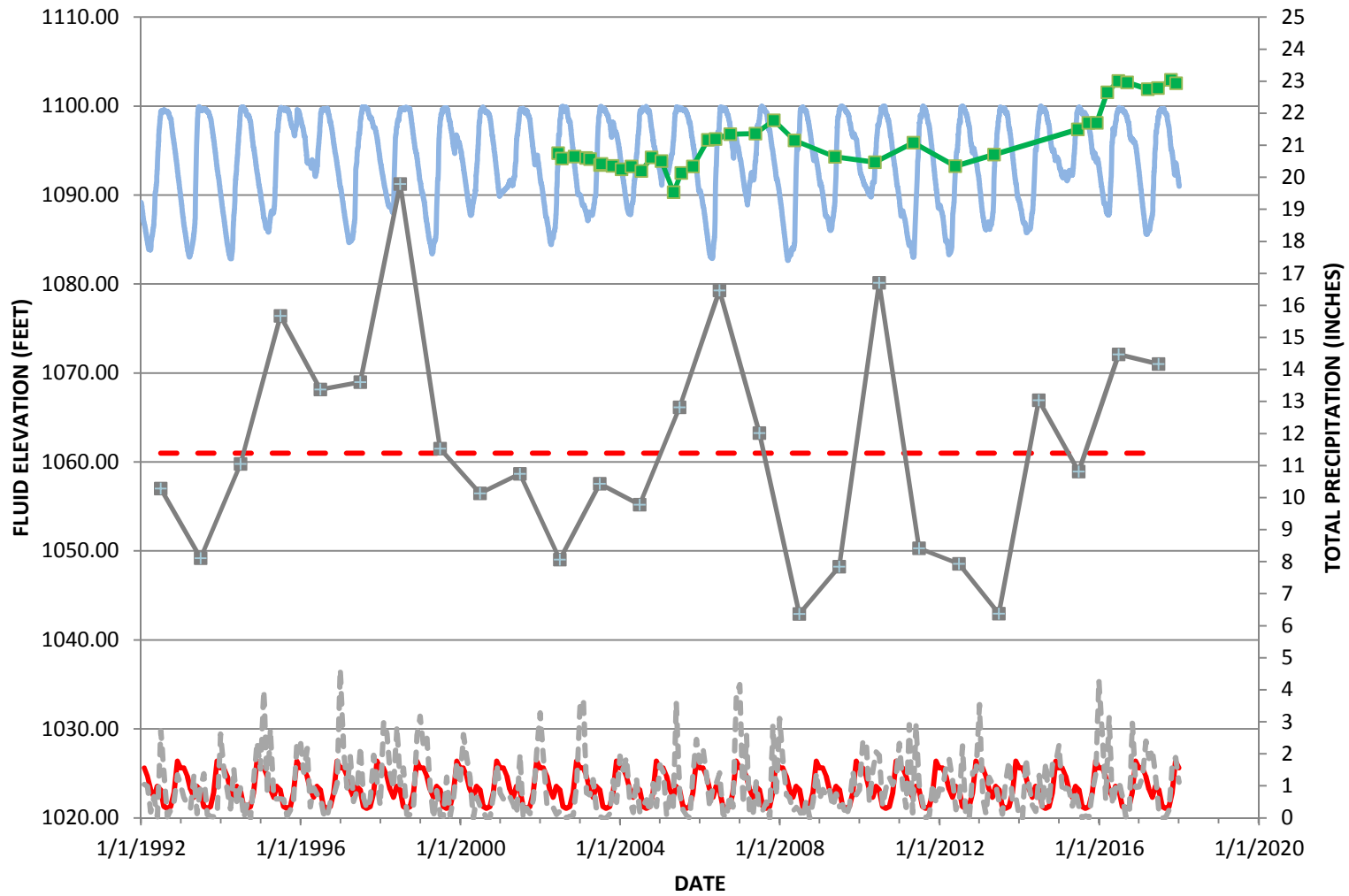


Groundwater Elevation Hydrograph: Monitoring Well MW-16

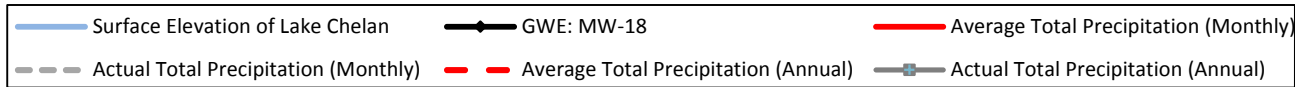
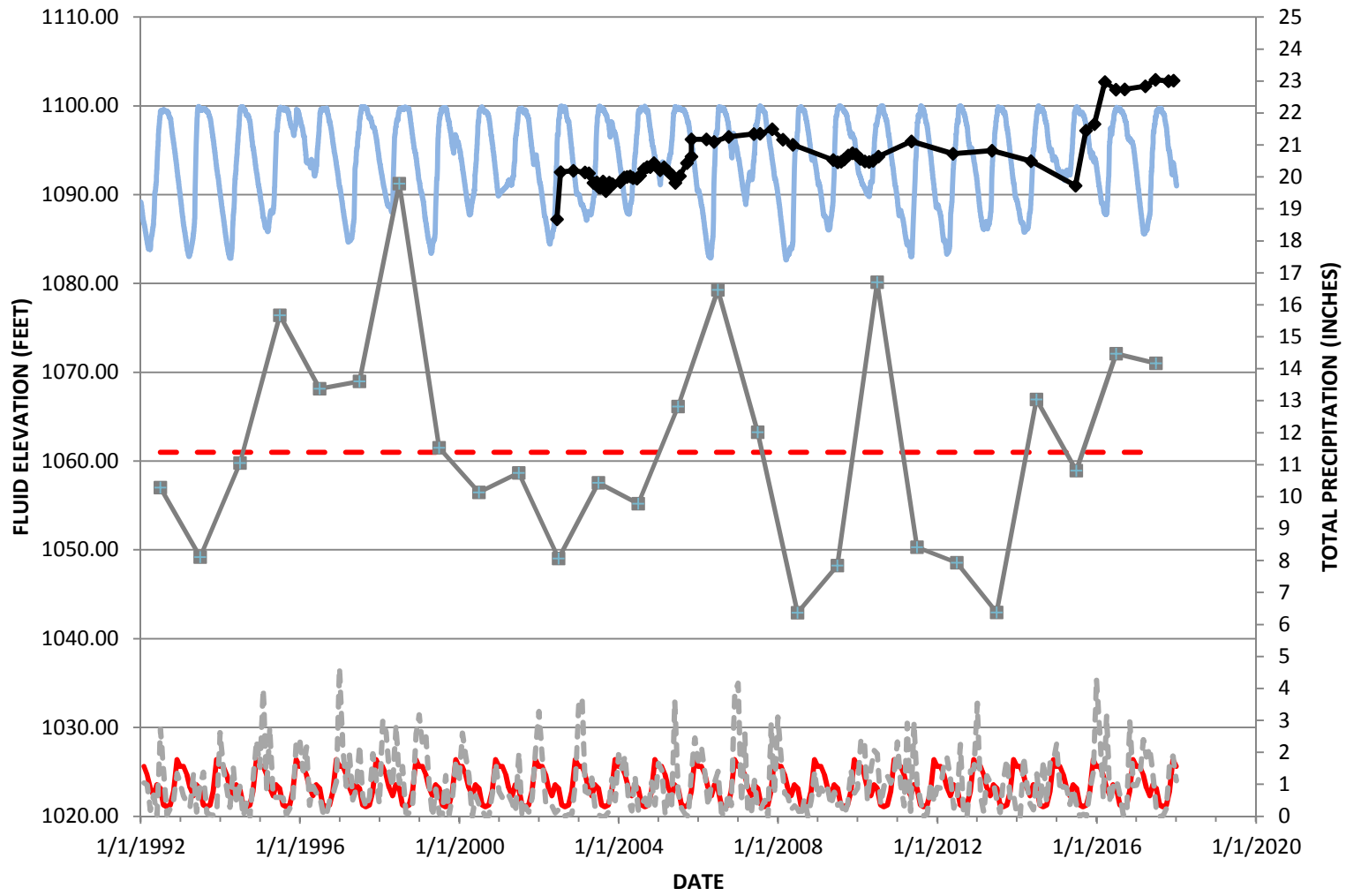
(Groundwater Elevation Corrected for the Presence of LNAPL)



Groundwater Elevation Hydrograph: Monitoring Well MW-17

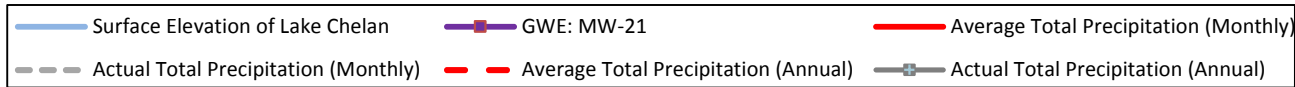
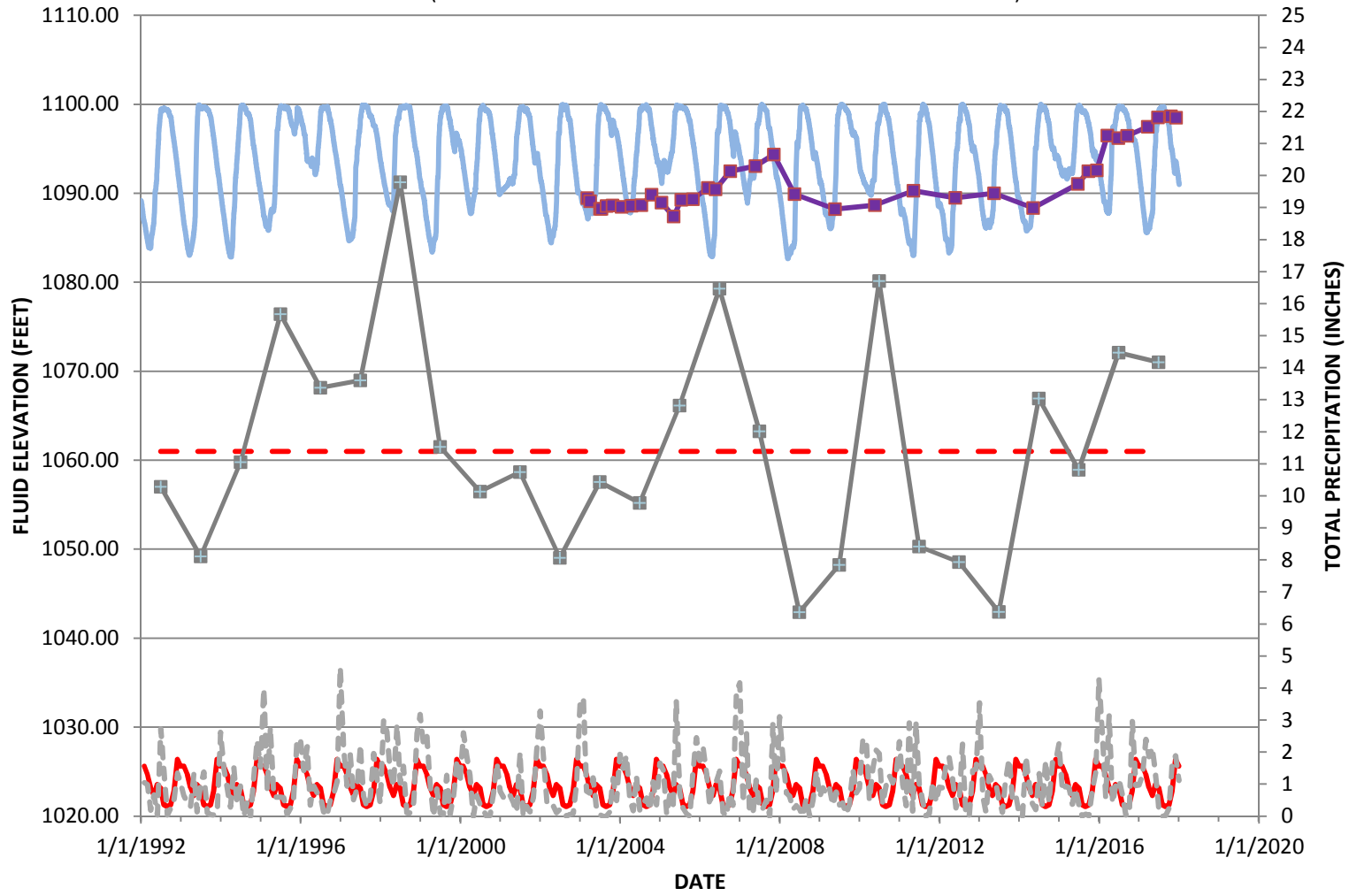


Groundwater Elevation Hydrograph: Monitoring Well MW-18

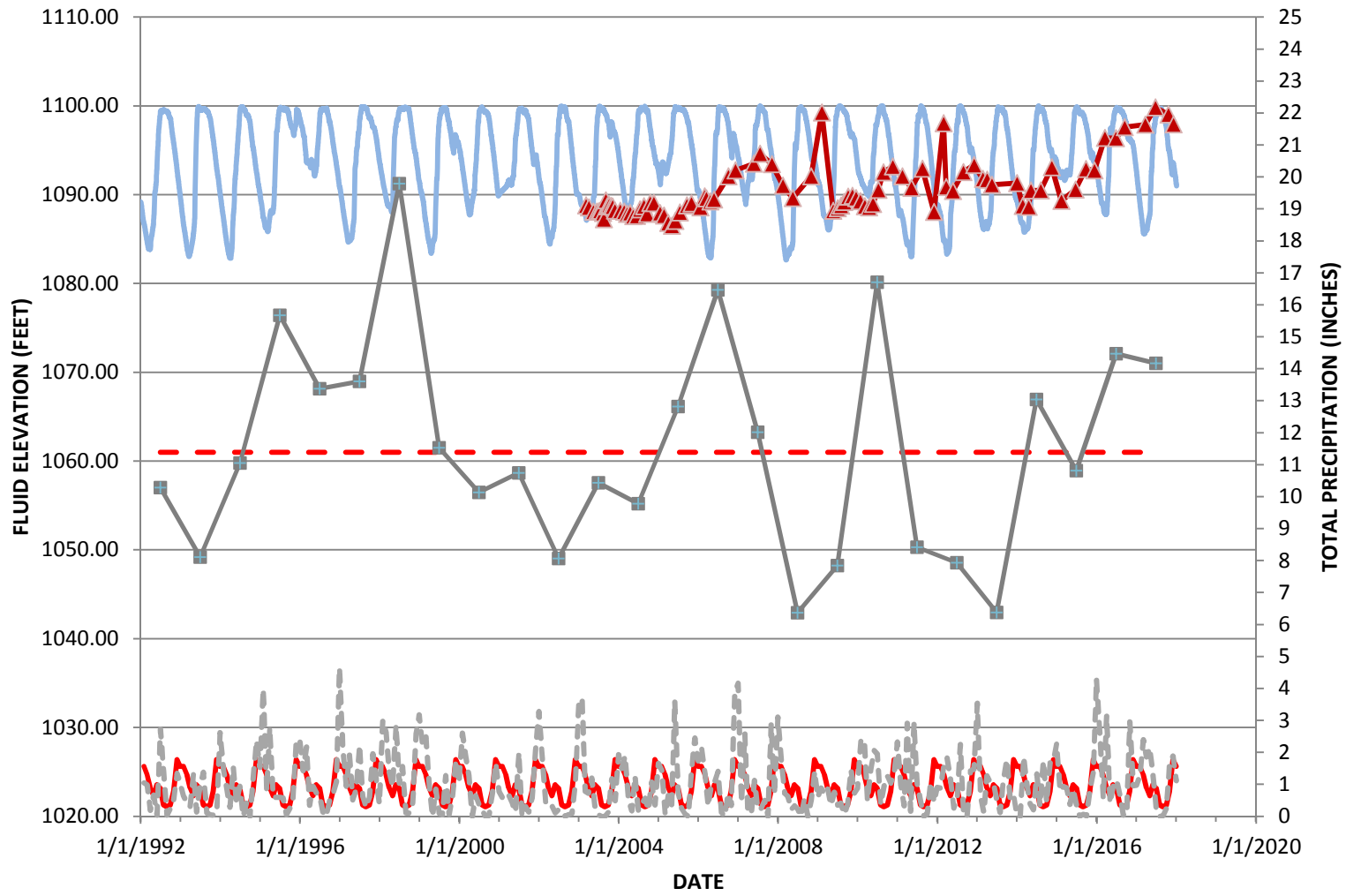


Groundwater Elevation Hydrograph: Monitoring Well MW-21

(Groundwater Elevation Corrected for the Presence of LNAPL)

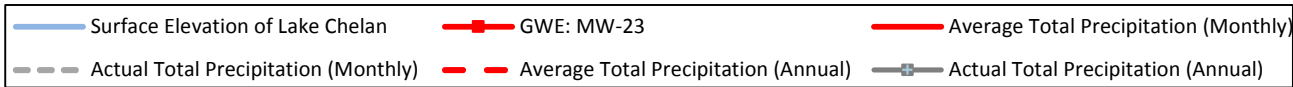
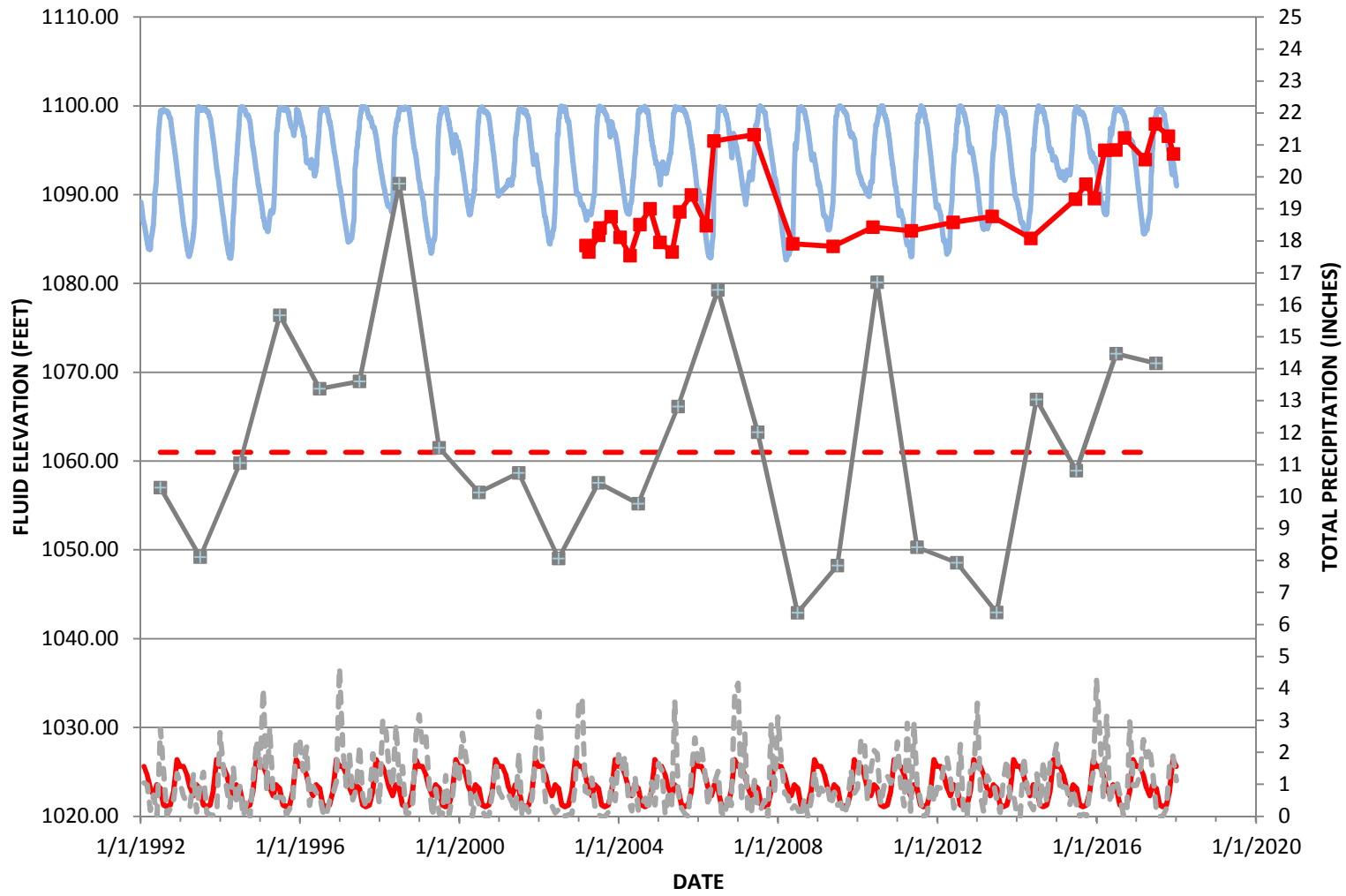


Groundwater Elevation Hydrograph: Monitoring Well MW-22



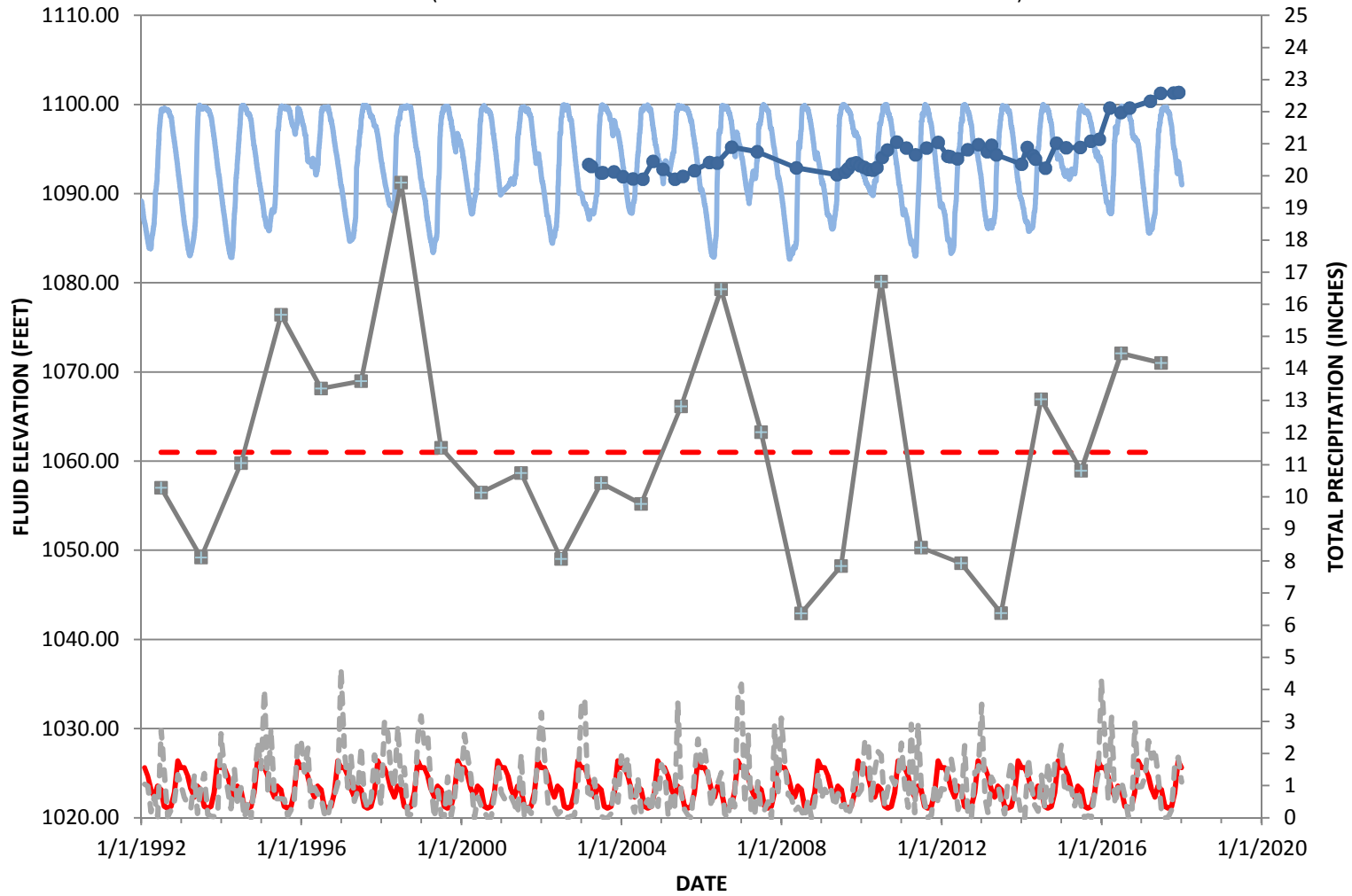
- Surface Elevation of Lake Chelan
- ▲— GWE: MW-22
- Average Total Precipitation (Monthly)
- - - Actual Total Precipitation (Monthly)
- - - Average Total Precipitation (Annual)
- Actual Total Precipitation (Annual)

Groundwater Elevation Hydrograph: Monitoring Well MW-23



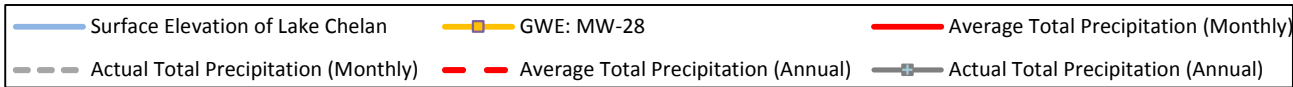
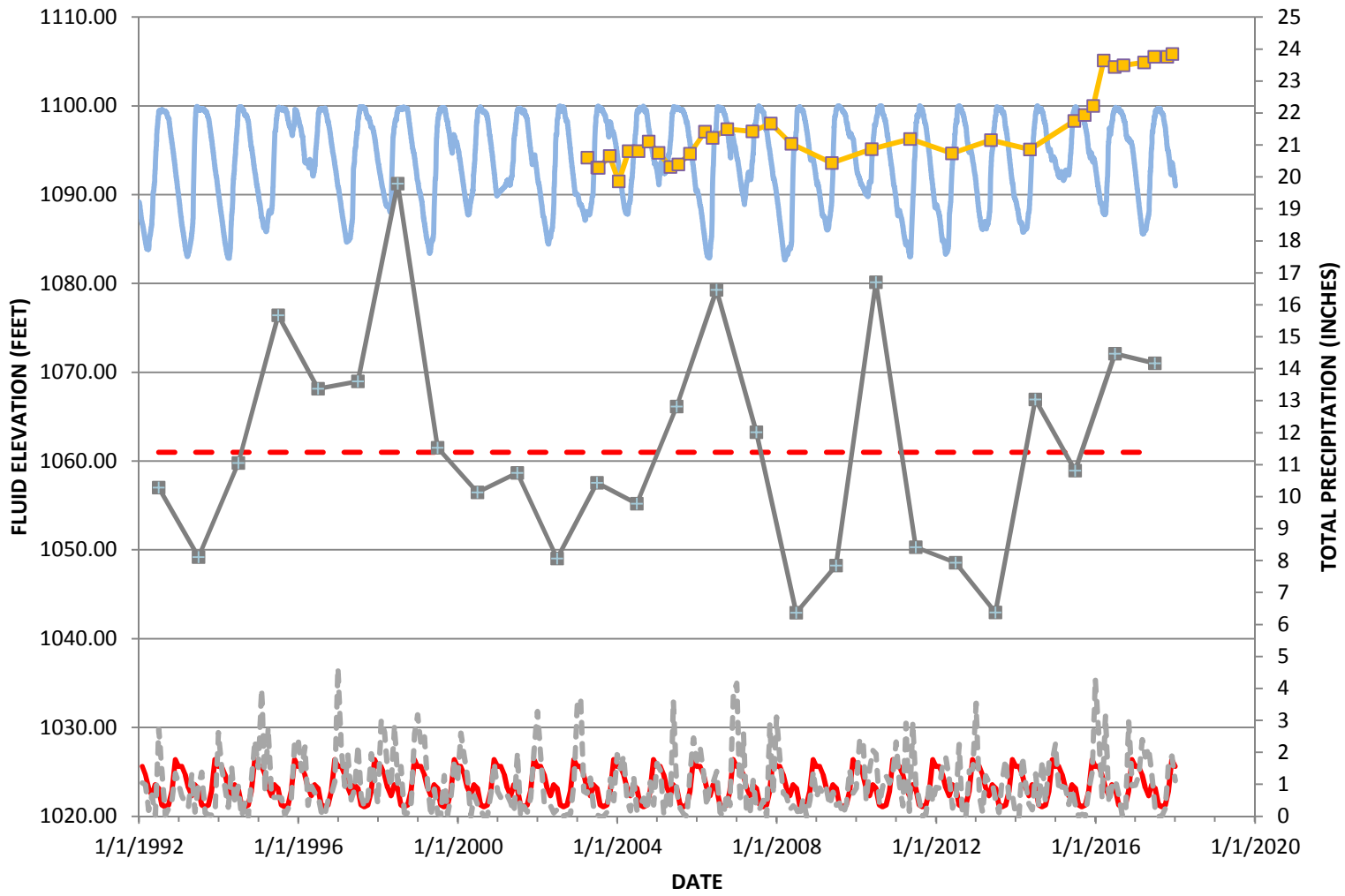
Groundwater Elevation Hydrograph: Monitoring Well MW-27

(Groundwater Elevation Corrected for the Presence of LNAPL)

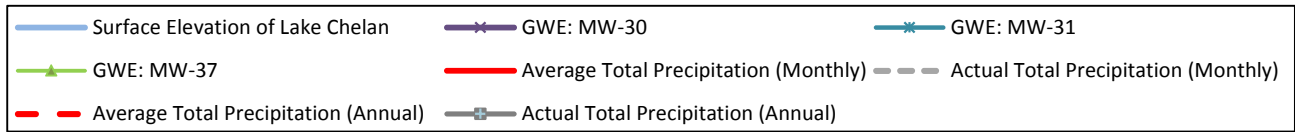
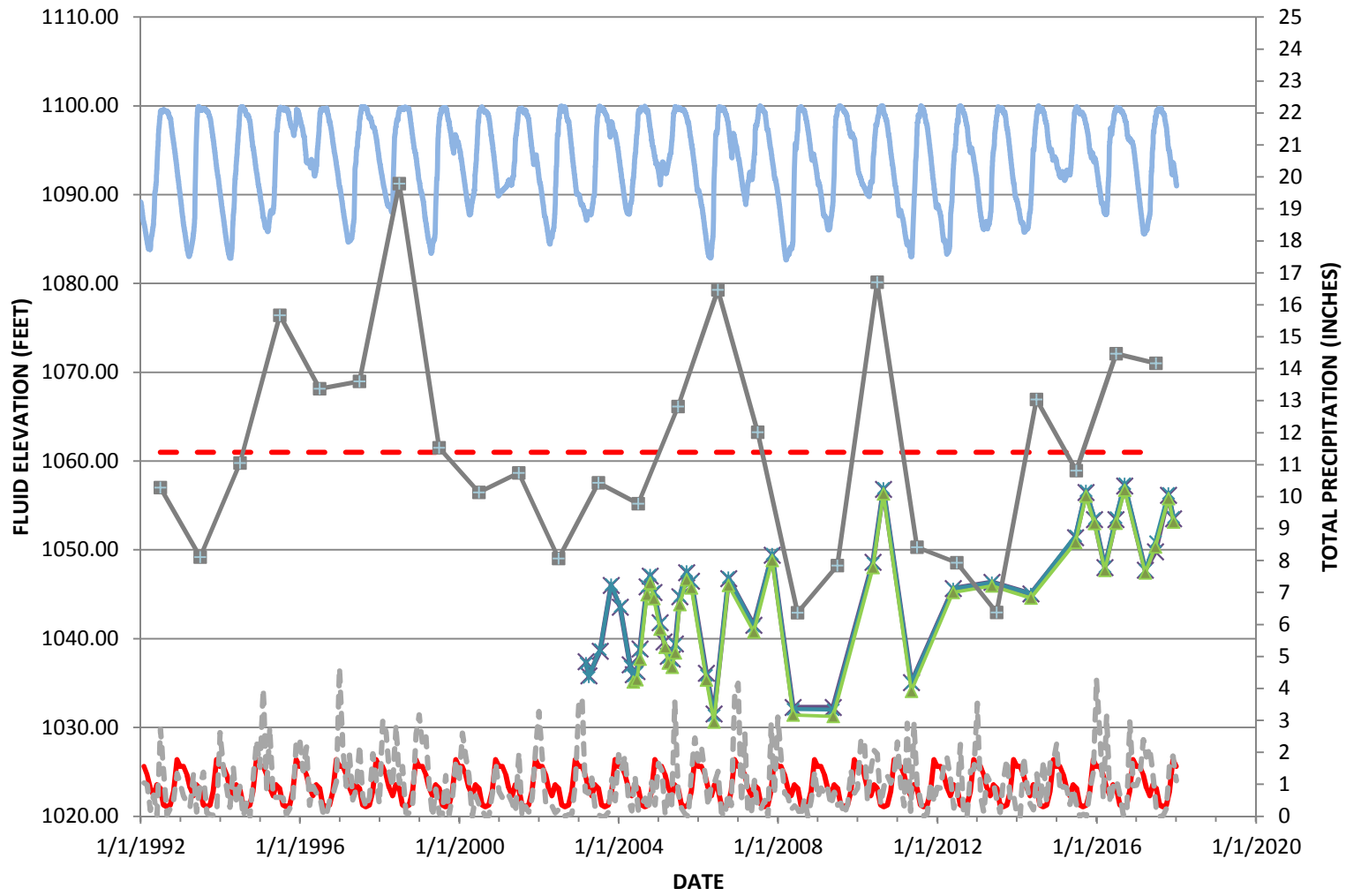


- Surface Elevation of Lake Chelan
- GWE: MW-27
- Average Total Precipitation (Monthly)
- - - Actual Total Precipitation (Monthly)
- - - Average Total Precipitation (Annual)
- Actual Total Precipitation (Annual)

Groundwater Elevation Hydrograph: Monitoring Well MW-28



Groundwater Elevation Hydrograph: Monitoring Wells MW-30, MW-31, and MW-37



Appendix C:
Laboratory Analysis Reports

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

December 18, 2015

Project: 96590

Submittal Date: 12/10/2015

Group Number: 1616142

PO Number: 0015164161

Release Number: HETRICK

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-6 Grab Groundwater	8169864
MW-6 Filtered Grab Groundwater	8169865
MW-7 Grab Groundwater	8169866
MW-7 Filtered Grab Groundwater	8169867
MW-8 Grab Groundwater	8169868
MW-8 Filtered Grab Groundwater	8169869
MW-15 Grab Groundwater	8169870
MW-15 Filtered Grab Groundwater	8169871
MW-17 Grab Groundwater	8169872
MW-17 Filtered Grab Groundwater	8169873
MW-18 Grab Groundwater	8169874
MW-18 Filtered Grab Groundwater	8169875
MW-21 Grab Groundwater	8169876
MW-21 Filtered Grab Groundwater	8169877
MW-23 Grab Groundwater	8169878
MW-23 Filtered Grab Groundwater	8169879
MW-28 Grab Groundwater	8169880
MW-28 Filtered Grab Groundwater	8169881

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC Leidos
COPY TO

Attn: Russ Shropshire

ELECTRONIC Leidos

Attn: Jamalyn Agyei

COPY TO

ELECTRONIC Gettler-Ryan Inc.

Attn: Gettler Ryan

COPY TO

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-6 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169864
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	11,000	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	705,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,000	250	25

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 19:38	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 19:38	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005105A	12/11/2015 23:09	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	25

Sample Description: MW-6 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169865
 LL Group # 1616142
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 2,930	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 14:58	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-7 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169866
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:20 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	1,700	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	599,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	5,000	250	25

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 19:53	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 19:53	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005104A	12/11/2015 22:00	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	25

Sample Description: MW-7 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169867
 LL Group # 1616142
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:20 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,680	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:01	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-8 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169868
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,100	250	5
00228	Sulfate	14808-79-8	40,200	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	251,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	52	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 20:07	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 20:07	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005105A	12/12/2015 00:20	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	1

Sample Description: MW-8 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169869
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 107	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:04	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-15 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169870
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 10:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	13,400	250	5
00228	Sulfate	14808-79-8	47,700	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	193,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	16	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 20:22	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 20:22	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005104A	12/11/2015 22:47	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	1

Sample Description: MW-15 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169871
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 10:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 28.5	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/17/2015 09:40	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-17 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169872
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	2,500	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	443,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	1,800	50	5

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 20:37	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 20:37	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005102B	12/11/2015 16:25	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	5

Sample Description: MW-17 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169873
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 729	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:10	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-18 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169874
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	14,700	250	5
00228	Sulfate	14808-79-8	28,300	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	259,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	62	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 20:52	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 20:52	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005106A	12/12/2015 04:17	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	1

Sample Description: MW-18 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169875
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 75.9	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:13	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-21 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169876
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 08:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	N.D.	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	362,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	6,900	500	50

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 21:06	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 21:06	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005104B	12/11/2015 21:18	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	50

Sample Description: MW-21 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169877
 LL Group # 1616142
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 08:00 by GM Chevron
 Submitted: 12/10/2015 10:00 6001 Bollinger Canyon Road
 Reported: 12/18/2015 12:48 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,040	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:16	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-23 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169878
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 09:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	5,100	250	5
00228	Sulfate	14808-79-8	21,200	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	227,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	740	20	2

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/10/2015 21:51	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 21:51	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005106A	12/12/2015 04:24	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	2

Sample Description: MW-23 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169879
 LL Group # 1616142
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 09:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 27.4	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/17/2015 09:43	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Sample Description: MW-28 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169880
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	22,600	500	10
00228	Sulfate	14808-79-8	37,900	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	286,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	250	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	15344667901B	12/11/2015 10:55	Drew M Gerhart	10
00228	Sulfate	EPA 300.0	1	15344667901B	12/10/2015 22:05	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	15345005105A	12/12/2015 01:25	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	15348834401A	12/14/2015 19:50	Daniel S Smith	1

Sample Description: MW-28 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8169881
LL Group # 1616142
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 12/10/2015 10:00

L4310

Reported: 12/18/2015 12:48

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 63.5	ug/l 0.80	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	153441848004	12/15/2015 15:27	Eric L Eby	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	153441848004	12/13/2015 09:22	James L Mertz	1

Quality Control Summary

Client Name: Chevron
Reported: 12/18/2015 12:48

Group Number: 1616142

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 153441848004	Sample number(s):							
Manganese	N.D.	0.80	ug/l	104		80-120		
Batch number: 15344667901B	Sample number(s):							
Nitrate Nitrogen	N.D.	50.	ug/l	103		90-110		
Sulfate	N.D.	300.	ug/l	101		90-110		
Batch number: 15345005102B	Sample number(s): 8169872							
Total Alkalinity to pH 4.5	N.D.	700.	ug/l as CaCO3	103		90-110		
Batch number: 15345005104A	Sample number(s): 8169866, 8169870							
Total Alkalinity to pH 4.5	N.D.	700.	ug/l as CaCO3	97		90-110		
Batch number: 15345005104B	Sample number(s): 8169876							
Total Alkalinity to pH 4.5	N.D.	700.	ug/l as CaCO3	97		90-110		
Batch number: 15345005105A	Sample number(s): 8169864, 8169868, 8169880							
Total Alkalinity to pH 4.5	N.D.	700.	ug/l as CaCO3	98		90-110		
Batch number: 15345005106A	Sample number(s): 8169874, 8169878							
Total Alkalinity to pH 4.5	N.D.	700.	ug/l as CaCO3	98		90-110		
Batch number: 15348834401A	Sample number(s):							
Ferrous Iron	N.D.	10.	ug/l	98		93-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron

Group Number: 1616142

Reported: 12/18/2015 12:48

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: 153441848004	Sample number(s): 8169865,8169867,8169869,8169871,8169873,8169875,8169877,8169879,8169881 UNSPK: P170118 BKG: P170118								
Manganese	148 (2)	135 (2)	75-125	1	20	4,070	4,450	9	20
Batch number: 15344667901B	Sample number(s): 8169864,8169866,8169868,8169870,8169872,8169874,8169876,8169878,8169880 UNSPK: P169863 BKG: P169863								
Nitrate Nitrogen	105		90-110			N.D.	N.D.	0 (1)	15
Sulfate	101		90-110			2,800,000	2,770,000	1	15
Batch number: 15345005102B	Sample number(s): 8169872 UNSPK: P169795 BKG: 8169872								
Total Alkalinity to pH 4.5	47*		90-110			443,000	443,000	0	5
Batch number: 15345005104A	Sample number(s): 8169866,8169870 UNSPK: P168875 BKG: P168875								
Total Alkalinity to pH 4.5	42*	39*	90-110	1	5	380,000	383,000	1	5
Batch number: 15345005104B	Sample number(s): 8169876 UNSPK: P168875 BKG: 8169876								
Total Alkalinity to pH 4.5	42*	39*	90-110	1	5	362,000	361,000	0	5
Batch number: 15345005105A	Sample number(s): 8169864,8169868,8169880 UNSPK: 8169864 BKG: 8169864								
Total Alkalinity to pH 4.5	72*		90-110			705,000	699,000	1	5
Batch number: 15345005106A	Sample number(s): 8169874,8169878 UNSPK: P171191 BKG: P171191								
Total Alkalinity to pH 4.5	95		90-110			75,300	74,100	2	5
Batch number: 15348834401A	Sample number(s): 8169864,8169866,8169868,8169870,8169872,8169874,8169876,8169878,8169880 UNSPK: P175570 BKG: P175570								
Ferrous Iron	96	93	93-105	2	6	39,400	39,500	0	5

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 161642 Sample # 8169864-81
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks								
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Gm/JH				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil Total Number of Containers _____ <input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____ DISSOLVED MANGANESE (2013) ALKALINITY (2320 B-1991) NITRATE/SULFATE (EPA 800.0) FERROUS / RON				SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits																				
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	DISSOLVED MANGANESE (2013)	ALKALINITY (2320 B-1991)	NITRATE/SULFATE (EPA 800.0)	FERROUS / RON
Date	Time																											
MW-6	12/9/15	1335	Y				W		5																X	X	X	X
MLO-7		1220																										
8		1110																										
15		1005																										
17		1210																										
18		1315																										
21		0800																										
23		0900																										
28		1105																										
-add MW- to all sample IDs JHM 12/10/15																												
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day EDF/EDD 72 hour 48 hour 24 hour				Relinquished by <i>[Signature]</i> Date <u>12/9/15</u> Time _____ Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____ Received by _____ Date _____ Time _____																						
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)		EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____ Temperature Upon Receipt <u>0.6</u> °C				Received by <i>[Signature]</i> Date <u>12/10/15</u> Time <u>1000</u> Custody Seals Intact <u>(Yes)</u> No																				

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

January 04, 2016

Project: 96590

Submittal Date: 12/12/2015

Group Number: 1616981

PO Number: 0015164161

Release Number: HETRICK

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
QA NA Water	8174671
MW-5 Grab Groundwater	8174672
MW-6 Grab Groundwater	8174673
MW-7 Grab Groundwater	8174674
MW-8 Grab Groundwater	8174675
MW-15 Grab Groundwater	8174676
MW-17 Grab Groundwater	8174677
MW-18 Grab Groundwater	8174678
MW-21 Grab Groundwater	8174679
MW-23 Grab Groundwater	8174680
MW-27 Grab Groundwater	8174681
MW-28 Grab Groundwater	8174682
MW-30 Grab Groundwater	8174683
MW-31 Grab Groundwater	8174684
MW-37 Grab Groundwater	8174685
DUP Grab Groundwater	8174686

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC Leidos
COPY TO
ELECTRONIC Leidos
COPY TO

Attn: Russ Shropshire

Attn: Jamalyn Agyei

ELECTRONIC
COPY TO

Gettler-Ryan Inc.

Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA NA Water
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174671
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602	1	15348A53A	12/15/2015 16:43	Marie D Beamenderfer	1
02102	8021 BTEX	NWTPH-Gx SW-846 8021B	1	15348A53A	12/15/2015 16:43	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 16:43	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 16:43	Jeremy C Giffin	1

Sample Description: MW-5 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174672
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 08:45

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	0.3	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 22:44	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 22:44	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 22:44	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 22:44	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153520034A	12/22/2015 06:41	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153520035A	12/29/2015 08:11	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153520035A	12/19/2015 16:45	JoElla L Rice	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153520034A	12/19/2015 16:45	JoElla L Rice	1

Sample Description: MW-6 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174673
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:35

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/1 2,200	ug/1 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/1 22	ug/1 0.2	1
02102	Ethylbenzene	100-41-4	2.5	0.2	1
02102	Toluene	108-88-3	4.8	0.2	1
02102	Total Xylenes	1330-20-7	5.4	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/1 N.D.	ug/1 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/1 2,200	ug/1 29	1
08271	Heavy Range Organics C24-C40	n.a.	470	68	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/1 33	ug/1 29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 23:11	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15351A53A	12/18/2015 19:33	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 23:11	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15351A53A	12/18/2015 19:33	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 04:04	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153520034A	12/22/2015 07:24	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153520035A	12/29/2015 08:33	Thomas C Wildermuth	1

Sample Description: MW-6 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174673
 LL Group # 1616981
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:35

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road
 L4310

Reported: 01/04/2016 10:45

San Ramon CA 94583

WECM6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153520035A	12/19/2015 16:45	JoElla L Rice	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153520034A	12/19/2015 16:45	JoElla L Rice	1

Sample Description: MW-7 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174674
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:20

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECM7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 4,100	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 11	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	58	0.2	1
02102	Toluene	108-88-3	4.7	0.2	1
02102	Total Xylenes	1330-20-7	35	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l 30	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 3,300	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	1,100	68	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 2,100	ug/l 29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 23:39	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15351A53A	12/18/2015 20:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 23:39	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	2	15351A53A	12/18/2015 20:00	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 04:21	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153520034A	12/22/2015 07:46	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153520035A	12/29/2015 08:54	Christine E Dolman	1

Sample Description: MW-7 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174674
 LL Group # 1616981
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:20

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECM7

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153520035A	12/19/2015 16:45	JoElla L Rice	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153520034A	12/19/2015 16:45	JoElla L Rice	1

Sample Description: MW-8 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174675
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:10

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECEM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 170	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 0.2	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	0.6	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified	ug/l N.D.	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified	ug/l N.D.	ug/l 29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15351A53A	12/18/2015 20:28	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15351A53A	12/18/2015 20:28	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15351A53A	12/18/2015 20:28	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 04:39	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153520034A	12/22/2015 07:03	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153520035A	12/29/2015 09:50	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153520035A	12/19/2015 16:45	JoElla L Rice	1

Sample Description: MW-8 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174675
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:10

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECM8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153520034A	12/19/2015 16:45	JoElla L Rice	1

Sample Description: MW-15 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174676
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 10:05

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 2,600	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 4.2	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	4.7	0.2	1
02102	Toluene	108-88-3	4.1	0.2	1
02102	Total Xylenes	1330-20-7	6.3	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified	ug/l 560	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	88	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified	ug/l 340	ug/l 29	1
Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/16/2015 00:35	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15351A53A	12/18/2015 20:55	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/16/2015 00:35	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15351A53A	12/18/2015 20:55	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 04:56	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153530007A	12/22/2015 01:40	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153530006A	12/29/2015 13:29	Christine E Dolman	1

Sample Description: MW-15 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174676
 LL Group # 1616981
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 10:05

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153530006A	12/20/2015 08:40	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153530007A	12/20/2015 08:40	Olivia Arosemena	1

Sample Description: MW-17 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174677
 LL Group # 1616981
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:10
 Submitted: 12/12/2015 09:15
 Reported: 01/04/2016 10:45

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

WEC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 8,300	ug/l 250	5
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 18	ug/l 1.0	5
02102	Ethylbenzene	100-41-4	410	1.0	5
02102	Toluene	108-88-3	45	1.0	5
02102	Total Xylenes	1330-20-7	740	1.0	5
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l 3.9	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 640	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 110	ug/l 28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/16/2015 01:03	Marie D Beamenderfer	5
02102	8021 BTEX	SW-846 8021B	1	15351A53A	12/18/2015 21:23	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/16/2015 01:03	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	2	15351A53A	12/18/2015 21:23	Marie D Beamenderfer	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 05:14	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 16:52	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 21:06	Christine E Dolman	1

Sample Description: MW-17 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174677
 LL Group # 1616981
 Account # 11260

Project Name: 96590

Collected: 12/09/2015 12:10

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-18 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174678
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 13:15

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 0.3	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	0.5	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified	ug/l 140	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	310	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified	ug/l N.D.	ug/l 28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 17:29	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 17:29	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 17:29	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 05:31	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 17:49	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 21:28	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-21 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174679
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 08:00

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC21

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	4,500	1,000	20
GC Volatiles					
02102	Benzene	71-43-2	1,700	4.0	20
02102	Ethylbenzene	100-41-4	39	4.0	20
02102	Toluene	108-88-3	51	4.0	20
02102	Total Xylenes	1330-20-7	56	4.0	20
GC Miscellaneous					
07105	Methane	74-82-8	110	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	950	28	1
08271	Heavy Range Organics C24-C40	n.a.	910	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	140	28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 23:47	Jeremy C Giffin	20
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 23:47	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 23:47	Jeremy C Giffin	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490005A	12/17/2015 05:49	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 18:11	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 21:49	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-23 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174680
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 09:00

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified	ug/l N.D.	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified	ug/l N.D.	ug/l 29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 17:54	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 17:54	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 17:54	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490008A	12/16/2015 17:43	Tracy A Cole	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 14:25	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 22:11	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-27 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174681
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 10:00

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC27

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	680	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	6,600	58	2
08271	Heavy Range Organics C24-C40	n.a.	550	140	2
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	5,000	58	2
Due to the dilution of the sample extract, capric acid recovery can not be determined.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 18:19	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 18:19	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 18:19	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/31/2015 14:13	Christine E Dolman	2
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/31/2015 13:51	Christine E Dolman	2
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-28 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174682
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 11:05

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 18:44	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 18:44	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 18:44	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	153490008A	12/16/2015 18:01	Tracy A Cole	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 15:10	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 22:54	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-30 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174683
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 07:49

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 19:09	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 19:09	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 19:09	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/29/2015 11:19	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 23:16	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-31 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174684
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 07:00

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 32	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 28	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 19:35	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 19:35	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 19:35	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 15:50	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 23:37	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: MW-37 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174685
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015 06:50

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WEC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 20:00	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 20:00	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 20:00	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 14:46	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/29/2015 23:59	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Sample Description: DUP Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Ave - Chelan, WA

LL Sample # WW 8174686
LL Group # 1616981
Account # 11260

Project Name: 96590

Collected: 12/09/2015

Chevron

Submitted: 12/12/2015 09:15

6001 Bollinger Canyon Road

Reported: 01/04/2016 10:45

L4310

San Ramon CA 94583

WECFD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	2,000	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	3.3	0.2	1
02102	Ethylbenzene	100-41-4	2.8	0.2	1
02102	Toluene	108-88-3	2.8	0.2	1
02102	Total Xylenes	1330-20-7	4.4	0.2	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	620	28	1
08271	Heavy Range Organics C24-C40	n.a.	99	66	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	500	28	1
Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15352A94A	12/20/2015 20:25	Jeremy C Giffin	1
02102	8021 BTEX	SW-846 8021B	1	15352A94A	12/20/2015 20:25	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15352A94A	12/20/2015 20:25	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	153550027A	12/28/2015 16:16	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	153550028A	12/30/2015 00:20	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	153550028A	12/22/2015 10:25	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	153550027A	12/22/2015 10:25	Olivia Arosemena	1

Quality Control Summary

Client Name: Chevron
Reported: 01/04/2016 10:45

Group Number: 1616981

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 15348A53A	Sample number(s): 8174671-8174674, 8174676-8174677							
Benzene	N.D.	0.2	ug/l	103	103	80-120	1	30
Ethylbenzene	N.D.	0.2	ug/l	104	104	80-120	1	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	95	98	80-123	3	30
Toluene	N.D.	0.2	ug/l	104	104	80-120	1	30
Total Xylenes	N.D.	0.2	ug/l	109	109	80-120	1	30
Batch number: 15351A53A	Sample number(s): 8174673-8174677							
Benzene	N.D.	0.2	ug/l	103	102	80-120	1	30
Ethylbenzene	N.D.	0.2	ug/l	104	103	80-120	1	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	98	95	80-123	4	30
Toluene	N.D.	0.2	ug/l	106	105	80-120	0	30
Total Xylenes	N.D.	0.2	ug/l	109	109	80-120	1	30
Batch number: 15352A94A	Sample number(s): 8174678-8174686							
Benzene	N.D.	0.2	ug/l	100	102	80-120	2	30
Ethylbenzene	N.D.	0.2	ug/l	103	106	80-120	3	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	108	87	80-123	21	30
Toluene	N.D.	0.2	ug/l	104	107	80-120	3	30
Total Xylenes	N.D.	0.2	ug/l	107	109	80-120	1	30
Batch number: 153490005A	Sample number(s): 8174673-8174679							
Methane	N.D.	3.0	ug/l	96		85-115		
Batch number: 153490008A	Sample number(s): 8174680, 8174682							
Methane	N.D.	3.0	ug/l	106		85-115		
Batch number: 153520034A	Sample number(s): 8174672-8174675							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	74	72	50-113	2	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					
Batch number: 153530007A	Sample number(s): 8174676							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	76	77	50-113	0	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					
Batch number: 153550027A	Sample number(s): 8174677-8174686							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	76	71	50-113	7	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					
Batch number: 153520035A	Sample number(s): 8174672-8174675							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	68	63	32-117	8	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron Group Number: 1616981
Reported: 01/04/2016 10:45

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 153530006A DRO C12-C24 w/Si Gel	Sample number(s): 8174676 N.D.	30.	ug/l	46	57	32-117	21*	20
Batch number: 153550028A DRO C12-C24 w/Si Gel	Sample number(s): 8174677-8174686 N.D.	30.	ug/l	54	56	32-117	5	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 153490005A Methane	Sample number(s): 8174673-8174679 123 (2)	111 (2)	85-115	2	20	UNSPK: P171405			
Batch number: 153490008A Methane	Sample number(s): 8174680,8174682 -130 (2)	-149 (2)	85-115	1	20	UNSPK: P173806			

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8021 BTEX
Batch number: 15348A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8174671	103	95
8174672	103	104
8174673		256*
8174674		178*
8174676		115
8174677		117
Blank	102	108
LCS	102	108
LCSD	102	108
Limits:	51-120	63-135

Analysis Name: 8021 BTEX
Batch number: 15351A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8174673	199*	
8174674	143*	
8174675	101	103
8174676	92	

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 01/04/2016 10:45

Group Number: 1616981

Surrogate Quality Control

8174677	117	
Blank	103	109
LCS	102	108
LCSD	102	108
Limits:	51-120	63-135

Analysis Name: 8021 BTEX
Batch number: 15352A94A

	Trifluorotoluene-P	Trifluorotoluene-F
8174678	89	81
8174679	88	79
8174680	89	72
8174681	87	86
8174682	88	71
8174683	89	73
8174684	88	72
8174685	89	72
8174686	80	91
Blank	88	72
LCS	86	93
LCSD	87	90
Limits:	51-120	63-135

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 153490005A

	Propene
8174673	50
8174674	66
8174675	79
8174676	78
8174677	66
8174678	80
8174679	75
Blank	103
LCS	101
MS	77
MSD	70
Limits:	44-123

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 153490008A

	Propene
8174680	79
8174682	81
Blank	100
LCS	103
MS	92
MSD	91
Limits:	44-123

Analysis Name: NWTPH-Dx water
Batch number: 153520034A

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 01/04/2016 10:45

Group Number: 1616981

Surrogate Quality Control

Orthoterphenyl	
8174672	99
8174673	96
8174674	91
8174675	90
Blank	86
LCS	98
LCSD	103
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 153520035A

Orthoterphenyl	
8174672	79
8174673	77
8174674	86
8174675	78
Blank	77
LCS	90
LCSD	88
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 153530006A

Orthoterphenyl	
8174676	69
Blank	71
LCS	65
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 153530007A

Orthoterphenyl	
8174676	101
Blank	93
LCS	103
LCSD	100
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 153550027A

Orthoterphenyl	
8174677	100
8174678	87
8174679	108
8174680	91
8174681	73
8174682	90
8174683	94
8174684	94
8174685	91

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 01/04/2016 10:45

Group Number: 1616981

Surrogate Quality Control

8174686	95
Blank	96
LCS	102
LCSD	99

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 153550028A

Orthoterphenyl

8174677	80
8174678	72
8174679	79
8174680	76
8174681	77
8174682	81
8174683	80
8174684	78
8174685	78
8174686	83
Blank	81
LCS	78
LCSD	83

Limits: 50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 16116981 Sample # 8174671-86
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										SCR #: _____								
Facility # SS#9-6590-OML G-R#386610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			<input type="checkbox"/> 8260 Naphth <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 full scan Oxygenates <input checked="" type="checkbox"/> NWTPH-Gx <input checked="" type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (BISKOP-175M)										<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
Site Address: 232 East Woodin Avenue, CHELAN, WA			Chevron PM: EH LEIDOSRS Lead Consultant: Russell Shropshire			Consultant/Office: Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits								
Consultant Project Mgr.: Deanna L. Harding, (deanna@grinc.com)			Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>			Total Number of Containers: _____										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits								
Consultant Phone #: (925) 551-7444 x180			Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>			BTEX <input checked="" type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/>										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits								
Sampler: GM/HH			Composite <input type="checkbox"/>			8260 full scan <input type="checkbox"/>										8021 MTBE Confirmation Confirm MTBE + Naphthalene Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits								
2 Sample Identification		Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	Remarks
QA		12/9/15		X						X					X	X								DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERED. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED. MW-5, MW-27 MW-30 require no methane and a total of 5 containers GM 12/18/15
MW-5		0845						5																
MW-6		1345																						
MW-7		1220																						
MW-8		1110																						
MW-15		1005																						
MW-17		1210																						
MW-18		1315																						
MW-21		0800																						
MW-23		0900																						
MW-27		1000						5																
MW-28		1105																						
MW-30		0749						5																
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date		Time		Received by			Date		Time		9							
Standard <input checked="" type="radio"/> 5 day 4 day EDF/EDD <input type="radio"/> 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour <input type="radio"/>			Relinquished by <i>[Signature]</i> Date <u>12/10/15</u> Time <u>1100</u>			Received by <i>[Signature]</i> Date <u>12/10/15</u> Time <u>10:45</u>																		
8 Data Package (circle if required)			Relinquished by Commercial Carrier:			Date		Time		Received by			Date		Time		9							
Type I - Full <input type="radio"/> Type VI (Raw Data) <input type="radio"/>			UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <input type="checkbox"/>			Date <u>12/12/15</u> Time <u>915</u>		Received by <i>[Signature]</i> Date <u>12/12/15</u> Time <u>915</u>			Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No													
			Other: _____			Temperature Upon Receipt <u>6.7-2.9 °C</u>																		

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: March 29, 2016

Project: 96590

Submittal Date: 03/16/2016

Group Number: 1641040

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-6 Grab Groundwater	8287897
MW-6 Filtered Grab Groundwater	8287898
MW-7 Grab Groundwater	8287899
MW-7 Filtered Grab Groundwater	8287900
MW-15 Grab Groundwater	8287901
MW-15 Filtered Grab Groundwater	8287902
MW-17 Grab Groundwater	8287903
MW-17 Filtered Grab Groundwater	8287904
MW-18 Grab Groundwater	8287905
MW-18 Filtered Grab Groundwater	8287906
MW-23 Grab Groundwater	8287907
MW-23 Filtered Grab Groundwater	8287908
MW-28 Grab Groundwater	8287909
MW-28 Filtered Grab Groundwater	8287910

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-6 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287897
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	4,200	250	5
00228	Sulfate	14808-79-8	31,700	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	417,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	170	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 13:07	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 13:07	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002103A	03/22/2016 20:25	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	1

Sample Description: MW-6 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287898
 LL Group # 1641040
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,580	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/22/2016 06:43	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-7 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287899
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	6,500	250	5
00228	Sulfate	14808-79-8	34,500	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	448,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	320	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 13:24	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 13:24	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002103A	03/22/2016 19:50	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	1

Sample Description: MW-7 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287900
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,180	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/22/2016 06:47	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-15 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287901
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	11,700	250	5
00228	Sulfate	14808-79-8	36,700	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	199,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 13:41	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 13:41	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002103A	03/22/2016 18:31	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	1

Sample Description: MW-15 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287902
 LL Group # 1641040
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/16/2016 09:30

Reported: 03/29/2016 16:16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 10.8	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/23/2016 10:30	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-17 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287903
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	N.D.	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	421,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	3,100	100	10

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 13:57	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 13:57	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002104A	03/23/2016 00:12	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	10

Sample Description: MW-17 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287904
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,620	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/22/2016 06:53	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-18 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287905
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:18 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	14,000	250	5
00228	Sulfate	14808-79-8	29,000	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	275,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	230	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 14:14	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 14:14	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002105A	03/23/2016 01:16	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	1

Sample Description: MW-18 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287906
 LL Group # 1641040
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:18 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 329	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/22/2016 06:57	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-23 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287907
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 09:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	3,000	250	5
00228	Sulfate	14808-79-8	14,200	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	199,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	2,300	100	10

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 14:31	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 14:31	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002105B	03/23/2016 02:28	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	10

Sample Description: **MW-23 Filtered Grab Groundwater**
 Facility# 96590 Job# 386610
 232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287908
 LL Group # 1641040
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 09:30 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/16/2016 09:30

Reported: 03/29/2016 16:16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 88.8	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/22/2016 06:06	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Sample Description: MW-28 Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287909
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	20,000	500	10
00228	Sulfate	14808-79-8	28,100	1,500	5
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	212,000	700	1
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	450	10	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16076667601A	03/16/2016 15:04	Drew M Gerhart	10
00228	Sulfate	EPA 300.0	1	16076667601A	03/16/2016 14:48	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16082002105A	03/23/2016 02:56	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16083834401A	03/23/2016 19:00	Daniel S Smith	1

Sample Description: MW-28 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 E Woodin Ave - Chelan, WA

LL Sample # WW 8287910
LL Group # 1641040
Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/16/2016 09:30

L4310

Reported: 03/29/2016 16:16

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l N.D.	ug/l 1.2	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	160771848006	03/23/2016 10:33	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	160771848006	03/20/2016 12:38	James L Mertz	1

Quality Control Summary

Client Name: Chevron
Reported: 03/29/2016 16:16

Group Number: 1641040

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 160771848006 Manganese	Sample number(s): N.D.	8287898, 8287900, 8287902, 8287904, 8287906, 8287908, 8287910 1.2
Batch number: 16076667601A Nitrate Nitrogen Sulfate	Sample number(s): N.D. N.D.	8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 50 300
Batch number: 16083834401A Ferrous Iron	Sample number(s): N.D.	8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 10
	ug/l as CaCO3	ug/l as CaCO3
Batch number: 16082002103A Total Alkalinity to pH 4.5	Sample number(s): N.D.	8287897, 8287899, 8287901 700
Batch number: 16082002104A Total Alkalinity to pH 4.5	Sample number(s): N.D.	8287903 700
Batch number: 16082002105A Total Alkalinity to pH 4.5	Sample number(s): N.D.	8287905, 8287909 700
Batch number: 16082002105B Total Alkalinity to pH 4.5	Sample number(s): N.D.	8287907 700

LCS/LCSD

Analysis Name	LCS Spike	LCS	LCSD Spike	LCSD	LCS	LCSD	LCS/LCSD	RPD	RPD
	Added	Conc	Added	Conc	%REC	%REC	Limits		
	ug/l	ug/l	ug/l	ug/l					Max
Batch number: 160771848006 Manganese	Sample number(s): 500	8287898, 8287900, 8287902, 8287904, 8287906, 8287908, 8287910 487.8			98		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16076667601A Nitrate Nitrogen Sulfate	Sample number(s): 750 7500	8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 678.27 7174.13			90 96		90-110 90-110		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16083834401A Ferrous Iron	Sample number(s): 400	8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 399			100		93-105		
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 16082002103A	Sample number(s):	8287897, 8287899, 8287901							

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/29/2016 16:16

Group Number: 1641040

Analysis Name	LCS Spike Added ug/l as CaCO3	LCS Conc ug/l as CaCO3	LCSD Spike Added ug/l as CaCO3	LCSD Conc ug/l as CaCO3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Total Alkalinity to pH 4.5	188000	175470			93		90-110		
Batch number: 16082002104A	Sample number(s): 8287903								
Total Alkalinity to pH 4.5	188000	176490			94		90-110		
Batch number: 16082002105A	Sample number(s): 8287905,8287909								
Total Alkalinity to pH 4.5	188000	175280			93		90-110		
Batch number: 16082002105B	Sample number(s): 8287907								
Total Alkalinity to pH 4.5	188000	175280			93		90-110		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 160771848006	Sample number(s): 8287898,8287900,8287902,8287904,8287906,8287908,8287910 UNSPK: 8287908									
Manganese	88.77	500	577.98	500	565.11	98	95	75-125	2	20
Batch number: 16076667601A	Sample number(s): 8287897,8287899,8287901,8287903,8287905,8287907,8287909 UNSPK: P288003									
Nitrate Nitrogen	438.58	5000	5301.25			97		90-110		
Sulfate	N.D.	50000	50045.4			100		90-110		
Batch number: 16083834401A	Sample number(s): 8287897,8287899,8287901,8287903,8287905,8287907,8287909 UNSPK: P297844									
Ferrous Iron	27325.83	40000	65790.36	40000	64786.87	96	94	93-105	2	6
Batch number: 16082002103A	Sample number(s): 8287897,8287899,8287901 UNSPK: P292318									
Total Alkalinity to pH 4.5	8150	188000	176120	188000	179610	89*	91	90-110	2	5
Batch number: 16082002104A	Sample number(s): 8287903 UNSPK: P293504									
Total Alkalinity to pH 4.5	78540	188000	228120			80*		90-110		
Batch number: 16082002105A	Sample number(s): 8287905,8287909 UNSPK: P293498									
Total Alkalinity to pH 4.5	131000	188000	296780			88*		90-110		
Batch number: 16082002105B	Sample number(s): 8287907 UNSPK: P293498									
Total Alkalinity to pH 4.5	131000	188000	296780			88*		90-110		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/29/2016 16:16

Group Number: 1641040

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 160771848006	Sample number(s): 8287898, 8287900, 8287902, 8287904, 8287906, 8287908, 8287910 BKG: 8287908			
Manganese	88.77	204.87	79*	20
Batch number: 16076667601A	Sample number(s): 8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 BKG: P288003			
Nitrate Nitrogen	438.58	465.6	6 (1)	15
Sulfate	N.D.	N.D.	0 (1)	15
Batch number: 16083834401A	Sample number(s): 8287897, 8287899, 8287901, 8287903, 8287905, 8287907, 8287909 BKG: P297844			
Ferrous Iron	27325.83	27626.88	1	5
Batch number: 16082002103A	Sample number(s): 8287897, 8287899, 8287901 BKG: P292318			
Total Alkalinity to pH 4.5	8150	7700	6* (1)	5
Batch number: 16082002104A	Sample number(s): 8287903 BKG: P293504			
Total Alkalinity to pH 4.5	78540	70290	11*	5
Batch number: 16082002105A	Sample number(s): 8287905, 8287909 BKG: P293498			
Total Alkalinity to pH 4.5	131000	122590	7*	5
Batch number: 16082002105B	Sample number(s): 8287907 BKG: 8287907			
Total Alkalinity to pH 4.5	199370	202360	1	5

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1641040 Sample # 8287897-910

Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks										
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. Medina / A. Wong			Sediment <input type="checkbox"/> <input checked="" type="checkbox"/> Potable <input type="checkbox"/> <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> <input checked="" type="checkbox"/> Air <input type="checkbox"/> <input checked="" type="checkbox"/>			Total Number of Containers _____ BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan _____ Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____ FERROUS IRON (SMZO 350 Fe B) 119.7 DISSOLVED MANGANESE (6010 B) ALKALINITY (3320 B - 1991) NITRATE SULFATE (EPA 200.0)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	6 Remarks		
Date	Time																									
MW-6	3/15/16	0725	X						S																DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.	
MW-7		0830																								
MW-15		0615																								
MW-17		0715																								
MW-18		0818																								
MW-23		0930																								
MW-28		0615																								
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by <i>[Signature]</i> Date <u>3/15/16</u> Time _____ Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____ Received by _____ Date _____ Time _____																				
8 Data Package (circle if required) Type I - Full _____ Type VI (Raw Data) _____				EDD (circle if required) CVX-RTBU-FI_05 (default) _____ Other: _____		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____ Temperature Upon Receipt <u>25</u> °C		Received by <i>[Signature]</i> Date <u>3/16/16</u> Time <u>0930</u> Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No																		

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: March 31, 2016

Project: 96590

Submittal Date: 03/18/2016

Group Number: 1642032

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
QA NA Water	8292408
DUP Grab Groundwater	8292409
MW-5 Grab Groundwater	8292410
MW-6 Grab Groundwater	8292411
MW-7 Grab Groundwater	8292412
MW-15 Grab Groundwater	8292413
MW-17 Grab Groundwater	8292414
MW-18 Grab Groundwater	8292415
MW-23 Grab Groundwater	8292416
MW-28 Grab Groundwater	8292417
MW-30 Grab Groundwater	8292418
MW-31 Grab Groundwater	8292419
MW-37 Grab Groundwater	8292420

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style with a long horizontal stroke at the end of the name.

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA NA Water
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292408
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/14/2016

Chevron

Submitted: 03/18/2016 09:30

6001 Bollinger Canyon Road

Reported: 03/31/2016 08:52

L4310

San Ramon CA 94583

WACQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 n.a.	N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16078A53A	03/21/2016 23:25	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	16078A53A	03/21/2016 23:25	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16078A53A	03/21/2016 23:25	Marie D Beamenderfer	1

Sample Description: DUP Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292409
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/18/2016 09:30

L4310

Reported: 03/31/2016 08:52

San Ramon CA 94583

WACDU

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	140	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	230	29	1
08271	Heavy Range Organics C24-C40	n.a.	540	68	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 15:19	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 15:19	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 15:19	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 20:10	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-5 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292410
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/14/2016 16:40 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 03/18/2016 09:30

San Ramon CA 94583

Reported: 03/31/2016 08:52

WACM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	110	29	1
08271	Heavy Range Organics C24-C40	n.a.	180	68	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16078A53A	03/22/2016 01:44	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	16078A53A	03/22/2016 01:44	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16078A53A	03/22/2016 01:44	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 18:00	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 13:41	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-6 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292411
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/18/2016 09:30

L4310

Reported: 03/31/2016 08:52

San Ramon CA 94583

WACM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	1,700	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	11	0.5	1
02102	Ethylbenzene	100-41-4	0.7	0.5	1
02102	Toluene	108-88-3	2.0	0.5	1
02102	Total Xylenes	1330-20-7	2.4	1.5	1
GC Miscellaneous					
	SW-846 8015B modified		ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	480	29	1
08271	Heavy Range Organics C24-C40	n.a.	350	67	1
GC Petroleum Hydrocarbons w/Si					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 15:47	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 15:47	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 15:47	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 16:34	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 18:21	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 14:02	Thomas C Wildermuth	1

Sample Description: MW-6 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292411
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:25 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WACM6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-7 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292412
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/18/2016 09:30

L4310

Reported: 03/31/2016 08:52

San Ramon CA 94583

WACM7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	2,600	50	1
GC Volatiles					
02102	Benzene	71-43-2	5.4	0.5	1
02102	Ethylbenzene	100-41-4	40	0.5	1
02102	Toluene	108-88-3	1.8	0.5	1
02102	Total Xylenes	1330-20-7	64	1.5	1
GC Miscellaneous					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	870	29	1
08271	Heavy Range Organics C24-C40	n.a.	830	68	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	77	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	120	68	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 16:14	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 16:14	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 16:14	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 16:52	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 19:48	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 14:24	Thomas C Wildermuth	1

Sample Description: MW-7 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292412
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:30 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WACM7

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-15 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292413
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 03/18/2016 09:30 L4310
 Reported: 03/31/2016 08:52 San Ramon CA 94583

WAC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	240	50	1
GC Volatiles					
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	230	29	1
08271	Heavy Range Organics C24-C40	n.a.	600	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	49	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	160	67	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 16:42	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 16:42	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 16:42	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 17:10	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 20:32	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 14:45	Thomas C Wildermuth	1

Sample Description: MW-15 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292413
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WAC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-17 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292414
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:15 by GM

Chevron

6001 Bollinger Canyon Road
 L4310

Submitted: 03/18/2016 09:30

San Ramon CA 94583

Reported: 03/31/2016 08:52

WAC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	38,000	1,000	20
GC Volatiles					
02102	Benzene	71-43-2	75	2.5	5
02102	Ethylbenzene	100-41-4	1,300	2.5	5
02102	Toluene	108-88-3	470	2.5	5
02102	Total Xylenes	1330-20-7	2,900	7.5	5
GC Miscellaneous					
07105	Methane	74-82-8	20	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	1,700	29	1
08271	Heavy Range Organics C24-C40	n.a.	300	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	220	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16085B20A	03/26/2016 22:29	Marie D Beamenderfer	20
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 19:58	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 19:58	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	2	16085B20A	03/26/2016 22:29	Marie D Beamenderfer	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 17:27	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 19:05	Thomas C Wildermuth	1

Sample Description: MW-17 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292414
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 07:15 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WAC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 15:07	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-18 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292415
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:18 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 03/18/2016 09:30 L4310
 Reported: 03/31/2016 08:52 San Ramon CA 94583

WAC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	440	50	1
GC Volatiles					
02102	Benzene	71-43-2	2.4	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	0.7	0.5	1
02102	Total Xylenes	1330-20-7	14	1.5	1
GC Miscellaneous					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	130	28	1
08271	Heavy Range Organics C24-C40	n.a.	650	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	100	66	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 18:06	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 18:06	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 18:06	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 17:50	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 20:54	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 16:11	Thomas C Wildermuth	1

Sample Description: **MW-18 Grab Groundwater**
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292415
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 08:18 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WAC18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-23 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292416
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 09:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/18/2016 09:30

L4310

Reported: 03/31/2016 08:52

San Ramon CA 94583

WAC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	SW-846 8015B modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 18:34	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 18:34	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 18:34	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 18:07	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 18:43	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 15:28	Thomas C Wildermuth	1

Sample Description: MW-23 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292416
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 09:30 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WAC23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-28 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292417
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 03/18/2016 09:30

L4310

Reported: 03/31/2016 08:52

San Ramon CA 94583

WAC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	90	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16082A53A	03/24/2016 19:02	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16082A53A	03/24/2016 19:02	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082A53A	03/24/2016 19:02	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	160810002A	03/22/2016 18:25	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160790045A	03/24/2016 19:27	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160790044A	03/23/2016 15:50	Thomas C Wildermuth	1

Sample Description: **MW-28 Grab Groundwater**
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292417
 LL Group # 1642032
 Account # 11260

Project Name: 96590

Collected: 03/15/2016 06:15 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/18/2016 09:30

Reported: 03/31/2016 08:52

WAC28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160790044A	03/22/2016 09:30	Olivia Arosemena	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160790045A	03/22/2016 09:30	Olivia Arosemena	1

Sample Description: MW-30 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292418
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/14/2016 17:35 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 03/18/2016 09:30

San Ramon CA 94583

Reported: 03/31/2016 08:52

WAC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	56	28	1
08271	Heavy Range Organics C24-C40	n.a.	1,400	66	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16078A53A	03/22/2016 02:12	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	16078A53A	03/22/2016 02:12	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16078A53A	03/22/2016 02:12	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160820018A	03/24/2016 14:44	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160820019A	03/28/2016 12:10	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160820019A	03/23/2016 10:50	Denise L Trimby	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160820018A	03/23/2016 10:50	Denise L Trimby	1

Sample Description: MW-31 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292419
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/14/2016 16:40 by GM

Chevron

6001 Bollinger Canyon Road
 L4310

Submitted: 03/18/2016 09:30

San Ramon CA 94583

Reported: 03/31/2016 08:52

WAC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	120	65	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	65	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16078A53A	03/22/2016 02:39	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	16078A53A	03/22/2016 02:39	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16078A53A	03/22/2016 02:39	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160820018A	03/24/2016 15:05	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160820019A	03/28/2016 12:32	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160820019A	03/23/2016 10:50	Denise L Trimby	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160820018A	03/23/2016 10:50	Denise L Trimby	1

Sample Description: MW-37 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8292420
LL Group # 1642032
Account # 11260

Project Name: 96590

Collected: 03/14/2016 17:35 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 03/18/2016 09:30

San Ramon CA 94583

Reported: 03/31/2016 08:52

WAC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum					
Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16078A53A	03/22/2016 03:07	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	16078A53A	03/22/2016 03:07	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16078A53A	03/22/2016 03:07	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	160820018A	03/24/2016 15:27	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	160820019A	03/28/2016 12:53	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	160820019A	03/23/2016 10:50	Denise L Trimby	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	160820018A	03/23/2016 10:50	Denise L Trimby	1

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2016 08:52

Group Number: 1642032

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 16078A53A	Sample number(s): 8292408, 8292410, 8292418-8292420	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 16082A53A	Sample number(s): 8292409, 8292411-8292417	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 16085B20A	Sample number(s): 8292414	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 160810002A	Sample number(s): 8292411-8292417	
Methane	N.D.	3.0
Batch number: 160790045A	Sample number(s): 8292409-8292417	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 160820018A	Sample number(s): 8292418-8292420	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 160790044A	Sample number(s): 8292410-8292417	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 160820019A	Sample number(s): 8292418-8292420	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16078A53A	Sample number(s): 8292408, 8292410, 8292418-8292420								
Benzene	20	21.3			107		80-120		
Ethylbenzene	20.1	20.54			102		80-120		
NWTPH-Gx water C7-C12	1100	1112.42	1100	1118.82	101	102	79-120	1	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2016 08:52

Group Number: 1642032

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Toluene	20.2	20.76			103		80-120		
Total Xylenes	60.2	63.85			106		80-120		
Batch number: 16082A53A	Sample number(s): 8292409,8292411-8292417								
Benzene	20	21.01	20	20.84	105	104	80-120	1	30
Ethylbenzene	20.1	20.08	20.1	20.01	100	100	80-120	0	30
NWTPH-Gx water C7-C12	1100	1049.28	1100	1076.52	95	98	79-120	3	30
Toluene	20.2	20.55	20.2	20.35	102	101	80-120	1	30
Total Xylenes	60.2	62.83	60.2	62.52	104	104	80-120	0	30
Batch number: 16085B20A	Sample number(s): 8292414								
NWTPH-Gx water C7-C12	1100	1023.18	1100	1026.21	93	93	79-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 160810002A	Sample number(s): 8292411-8292417								
Methane	61.3	69.01			113		85-115		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 160790045A	Sample number(s): 8292409-8292417								
Diesel Range Organics C12-C24	1600	1106.01	1600	1180.83	69	74	50-113	7	20
Batch number: 160820018A	Sample number(s): 8292418-8292420								
Diesel Range Organics C12-C24	1600	1391.94	1600	1333.82	87	83	50-113	4	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 160790044A	Sample number(s): 8292410-8292417								
DRO C12-C24 w/Si Gel	1600	914.25	1600	1061.9	57	66	32-117	15	20
Batch number: 160820019A	Sample number(s): 8292418-8292420								
DRO C12-C24 w/Si Gel	1600	1081.34	1600	1129.75	68	71	32-117	4	20

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16078A53A	Sample number(s): 8292408,8292410,8292418-8292420 UNSPK: P290436									
Benzene	912.58	401	1397.81	401	1461.83	121*	137*	80-120	4	30
Ethylbenzene	1823.57	402	2306.71	402	2489.04	120 (2)	166 (2)	80-120	8	30
Toluene	794.19	404	1266.73	404	1339.15	117	135*	80-120	6	30
Total Xylenes	3523.62	1200	4942.23	1200	5230.24	118	142*	80-120	6	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 160810002A	Sample number(s): 8292411-8292417 UNSPK: P290875									
Methane	1632.83	61.3	1393.44	61.3	1077.14	-390 (2)	-906 (2)	73-125	26	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2016 08:52

Group Number: 1642032

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master
Batch number: 16078A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8292408	101	95
8292410	101	117
8292418	101	95
8292419	101	119
8292420	101	112
Blank	102	96
LCS	101	111
LCSD		112
MS	103	
MSD	99	
Limits:	51-120	63-135

Analysis Name: Method 8021 Water Master
Batch number: 16082A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8292409	100	94
8292411	114	128
8292412	101	108
8292413	99	100
8292414	135*	
8292415	100	98
8292416	101	97
8292417	102	96
Blank	101	111
LCS	102	110
LCSD	101	110
Limits:	51-120	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 16085B20A

	Trifluorotoluene-F
8292414	98
Blank	89
LCS	97
LCSD	102
Limits:	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 160790044A

	Orthoterphenyl
8292410	82
8292411	76

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2016 08:52

Group Number: 1642032

Orthoterphenyl

8292412	71
8292413	75
8292414	78
8292415	80
8292416	80
8292417	83
Blank	77
LCS	85
LCSD	89

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 160790045A

Orthoterphenyl

8292409	89
8292410	85
8292411	88
8292412	95
8292413	83
8292414	94
8292415	93
8292416	87
8292417	85
Blank	89
LCS	96
LCSD	98

Limits: 50-150

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 160810002A

Propene

8292411	92
8292412	83
8292413	96
8292414	91
8292415	93
8292416	97
8292417	93
Blank	111
LCS	112
MS	92
MSD	91

Limits: 44-123

Analysis Name: NWTPH-Dx water
Batch number: 160820018A

Orthoterphenyl

8292418	107
8292419	110
8292420	107

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2016 08:52

Group Number: 1642032

	Orthoterphenyl
Blank	110
LCS	116
LCSD	110

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 160820019A

	Orthoterphenyl
8292418	86
8292419	88
8292420	89
Blank	98
LCS	94
LCSD	103

Limits: 50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1642032 Sample # 8292408-20
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks					
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. MEDINA / A. WONG				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers BTEX: 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (Rskof-175M)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits					
2 Sample Identification		Collected		3 Composite																			
Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method				
QA							2	X			X												
DUP					W		5																
MW-5	15						5					X											
MW-6	14	1640					5					X											
MW-7	15	0725					5															X	
MW-15		0830					5																
MW-17		0615					5																
MW-17		0715					5																
MW-18		0818					5																
MW-23		0930					5																
MW-28		0615					5																
MW-30	14	1735					5																
MW-31		1640					5																
MW-37		1735					5																
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by <i>[Signature]</i> Date 3/17/16 Time Relinquished by <i>[Signature]</i> Date 3/17/16 Time		Received by <i>[Signature]</i> Date 3/17/16 Time 9:00																	
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other:		Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____ Temperature Upon Receipt <u>0.4-1.0</u> °C		Received by <i>[Signature]</i> Date 3.17.16 Time 9:30 Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

Client: WA Office

232 East Woodin

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 03/18/2016 9:30
 Number of Packages: 6 Number of Projects: 3
 State/Province of Origin: WA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (≥ 6mm):	MW-23 (1)
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCL
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 12:23 on 03/18/2016

Samples Chilled Details: 232 East Woodin

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.6	DT	Wet	Y	Bagged	N
2	DT131	0.9	DT	Wet	Y	Bagged	N
3	DT131	1.0	DT	Wet	Y	Bagged	N
4	DT131	0.5	DT	Wet	Y	Bagged	N
5	DT131	0.7	DT	Wet	Y	Bagged	N
6	DT131	0.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: June 30, 2016

Project: 96590

Submittal Date: 06/24/2016
Group Number: 1675716
PO Number: 0015194335
Release Number: HETRICK
State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
MW-6-W-160623 Grab Groundwater	8442709
MW-6-W-160623 Filtered Grab Groundwater	8442710
MW-7-W-160623 Grab Groundwater	8442711
MW-7-W-160623 Filtered Grab Groundwater	8442712
MW-8-W-160623 Grab Groundwater	8442713
MW-8-W-160623 Filtered Grab Groundwater	8442714
MW-15-W-160623 Grab Groundwater	8442715
MW-15-W-160623 Filtered Grab Groundwater	8442716
MW-17-W-160623 Grab Groundwater	8442717
MW-17-W-160623 Filtered Grab Groundwater	8442718
MW-18-W-160623 Grab Groundwater	8442719
MW-18-W-160623 Filtered Grab Groundwater	8442720
MW-23-W-160623 Grab Groundwater	8442721
MW-23-W-160623 Filtered Grab Groundwater	8442722
MW-28-W-160623 Grab Groundwater	8442723
MW-28-W-160623 Filtered Grab Groundwater	8442724

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-6-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442709
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 13:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	7.8	0.25	5
00228	Sulfate	14808-79-8	28.9	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	368	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	0.069	0.010	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 13:37	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 13:37	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002103A	06/27/2016 21:13	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	1

Sample Description: MW-6-W-160623 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442710
 LL Group # 1675716
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 13:15 by GM Chevron
 Submitted: 06/24/2016 09:30 6001 Bollinger Canyon Road
 Reported: 06/30/2016 16:29 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.896	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:22	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-7-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442711
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 12:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	10.5	0.25	5
00228	Sulfate	14808-79-8	45.8	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	438	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	0.12	0.010	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 13:53	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 13:53	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002104B	06/27/2016 23:30	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	1

Sample Description: MW-7-W-160623 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442712
 LL Group # 1675716
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 12:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.623	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:31	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-8-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442713
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 11:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	17.4	0.50	10
00228	Sulfate	14808-79-8	67.7	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	220	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	0.043	0.010	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 16:47	Drew M Gerhart	10
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 14:24	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002103A	06/27/2016 21:27	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	1

Sample Description: MW-8-W-160623 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442714
 LL Group # 1675716
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 11:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.131	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:34	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-15-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442715
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 06:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	13.7	0.25	5
00228	Sulfate	14808-79-8	43.2	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	197	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	0.11	0.010	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 14:08	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 14:08	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002103A	06/27/2016 21:20	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	1

Sample Description: MW-15-W-160623 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442716
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 06:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.0331	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:38	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-17-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442717
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	5
00228	Sulfate	14808-79-8	N.D.	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	420	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	3.8	0.20	20

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 14:40	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 14:40	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002103A	06/27/2016 21:06	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	20

Sample Description: MW-17-W-160623 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442718
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 2.00	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:41	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-18-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442719
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 10:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	15.8	0.50	10
00228	Sulfate	14808-79-8	29.8	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	261	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	0.46	0.010	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 17:03	Drew M Gerhart	10
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 14:56	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002105A	06/28/2016 04:38	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	1

Sample Description: MW-18-W-160623 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442720
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 10:00 by GM Chevron
6001 Bollinger Canyon Road
Submitted: 06/24/2016 09:30 L4310
Reported: 06/30/2016 16:29 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.150	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:00	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-23-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442721
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 05:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	3.5	0.25	5
00228	Sulfate	14808-79-8	16.0	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	207	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	4.3	0.10	10

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 15:12	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 15:12	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002103A	06/27/2016 20:19	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	10

Sample Description: MW-23-W-160623 Filtered Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442722
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 05:25 by GM Chevron
6001 Bollinger Canyon Road
Submitted: 06/24/2016 09:30 L4310
Reported: 06/30/2016 16:29 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l N.D.	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:44	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Sample Description: MW-28-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442723
LL Group # 1675716
Account # 11260

Project Name: 96590

Collected: 06/23/2016 07:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	19.9	0.50	10
00228	Sulfate	14808-79-8	29.2	1.5	5
		SM 2320 B-1997	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	215	1.7	1
		SM 3500-Fe B 1997	mg/l	mg/l	
08344	Ferrous Iron	n.a.	2.2	0.050	5

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16176667122A	06/24/2016 17:19	Drew M Gerhart	10
00228	Sulfate	EPA 300.0	1	16176667122A	06/24/2016 15:28	Drew M Gerhart	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16179002104A	06/28/2016 00:45	Nathan T Morgan	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16180834401A	06/28/2016 19:55	Daniel S Smith	5

Sample Description: MW-28-W-160623 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8442724
 LL Group # 1675716
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 07:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2016 09:30

L4310

Reported: 06/30/2016 16:29

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.162	mg/l 0.0018	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	161801848001	06/30/2016 01:47	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	161801848001	06/28/2016 21:00	Annamaria Kuhns	1

Quality Control Summary

Client Name: Chevron
Reported: 06/30/2016 16:29

Group Number: 1675716

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	mg/l	mg/l
Batch number: 161801848001 Manganese	Sample number(s): 8442710, 8442712, 8442714, 8442716, 8442718, 8442720, 8442722, 8442724 N.D.	0.0018
Batch number: 16176667122A Nitrate Nitrogen Sulfate	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 N.D. N.D.	0.050 0.30
Batch number: 16180834401A Ferrous Iron	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 N.D.	0.010
	mg/l as CaCO3	mg/l as CaCO3
Batch number: 16179002103A Total Alkalinity to pH 4.5	Sample number(s): 8442709, 8442713, 8442715, 8442717, 8442721 N.D.	1.7
Batch number: 16179002104A Total Alkalinity to pH 4.5	Sample number(s): 8442723 N.D.	1.7
Batch number: 16179002104B Total Alkalinity to pH 4.5	Sample number(s): 8442711 N.D.	1.7
Batch number: 16179002105A Total Alkalinity to pH 4.5	Sample number(s): 8442719 N.D.	1.7

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 161801848001 Manganese	Sample number(s): 8442710, 8442712, 8442714, 8442716, 8442718, 8442720, 8442722, 8442724 0.500	0.512			102		80-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16176667122A Nitrate Nitrogen Sulfate	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 0.750 7.50	0.776 7.55			104 101		90-110 90-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16180834401A Ferrous Iron	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 0.400	0.401			100		93-105		
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3					

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/30/2016 16:29

Group Number: 1675716

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l as CaCO3	LCS Conc mg/l as CaCO3	LCSD Spike Added mg/l as CaCO3	LCSD Conc mg/l as CaCO3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16179002103A Total Alkalinity to pH 4.5	188	173.6	Sample number(s): 8442709, 8442713, 8442715, 8442717, 8442721		92		84-110		
Batch number: 16179002104A Total Alkalinity to pH 4.5	188	178.51	Sample number(s): 8442723		95		84-110		
Batch number: 16179002104B Total Alkalinity to pH 4.5	188	178.51	Sample number(s): 8442711		95		84-110		
Batch number: 16179002105A Total Alkalinity to pH 4.5	188	178.02	Sample number(s): 8442719		95		84-110		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 161801848001 Manganese	0.150	0.500	0.676	0.500	0.660	105	102	75-125	2	20
Batch number: 16176667122A Nitrate Nitrogen	13.69	5.00	18.01			86*		90-110		
Sulfate	43.2	50	93.24			100		90-110		
Batch number: 16180834401A Ferrous Iron	4.31	8.00	12.37	8.00	12.15	101	98	93-105	2	6
Batch number: 16179002103A Total Alkalinity to pH 4.5	73.21	188	182.16	188	192.02	58*	63*	84-110	5	5
Batch number: 16179002104A Total Alkalinity to pH 4.5	107.17	188	206.27	188	209.21	53*	54*	84-110	1	5
Batch number: 16179002104B Total Alkalinity to pH 4.5	107.17	188	206.27	188	209.21	53*	54*	84-110	1	5
Batch number: 16179002105A Total Alkalinity to pH 4.5	100.04	188	224.88			66*		84-110		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/30/2016 16:29

Group Number: 1675716

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l as CaCO3	MS Spike Added mg/l as CaCO3	MS Conc mg/l as CaCO3	MSD Spike Added mg/l as CaCO3	MSD Conc mg/l as CaCO3	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
---------------	--------------------------------	---------------------------------	--------------------------	----------------------------------	---------------------------	---------	----------	---------------	-----	---------

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 161801848001 Manganese	Sample number(s): 8442710, 8442712, 8442714, 8442716, 8442718, 8442720, 8442722, 8442724 BKG: 8442720 0.150	0.152	1	20
Batch number: 16176667122A Nitrate Nitrogen Sulfate	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 BKG: 8442715 13.69 43.2	13.7 43.16	0 0	15 15
Batch number: 16180834401A Ferrous Iron	Sample number(s): 8442709, 8442711, 8442713, 8442715, 8442717, 8442719, 8442721, 8442723 BKG: 8442721 4.31	4.34	1	5
Batch number: 16179002103A Total Alkalinity to pH 4.5	Sample number(s): 8442709, 8442713, 8442715, 8442717, 8442721 BKG: P443072 73.21	86.81	17*	5
Batch number: 16179002104A Total Alkalinity to pH 4.5	Sample number(s): 8442723 BKG: P444845 107.17	107.1	0	5
Batch number: 16179002104B Total Alkalinity to pH 4.5	Sample number(s): 8442711 BKG: 8442711 437.86	438.39	0	5
Batch number: 16179002105A Total Alkalinity to pH 4.5	Sample number(s): 8442719 BKG: P444860 100.04	102.32	2	5

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # **11260**

For Eurofins Lancaster Laboratories use only
 Group # **1675716** Sample # **8442709-24**

Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks	
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. MODINA			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air			Total Number of Containers <input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx <input checked="" type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup COLUMN <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method FERROUS IRON (SM20 3500 Fe-B 1197) DISSOLVED MANGANESE (6010B) ALKALINITY (2320 B-1991) NITRATE/SULFATE (61A 3000)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
2 Sample Identification		3												6			
		Collected												Remarks			
		Date	Time	Grab	Composite											DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.	
MW-6		6/23	1315	X													
MW-7		↓	1210	↓													
MW-8		↓	1105	↓													
MW-15		↓	0630	↓													
MW-17		↓	0855	↓													
MW-18		↓	1000	↓													
MW-23		↓	0525	↓													
MW-28		↓	0755	↓													
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by <i>[Signature]</i> Date 6/23/16 Time _____		Received by _____ Date _____ Time _____		9									
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Received by <i>[Signature]</i> Date 6-24-16 Time 930		Temperature Upon Receipt 3.5 °C Custody Seals Intact? (Yes) No									

Client: Chevron

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 06/24/2016 9:30
 Number of Packages: 1 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 09:52 on 06/24/2016

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	3.5	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: July 12, 2016

Project: 96590

Submittal Date: 06/28/2016

Group Number: 1676966

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
QA-T-160622 NA Water	8450203
DUP-WD-160623 Grab Groundwater	8450204
MW-5-W-160622 Grab Groundwater	8450205
MW-6-W-160623 Grab Groundwater	8450206
MW-7-W-160623 Grab Groundwater	8450207
MW-8-W-160623 Grab Groundwater	8450208
MW-15-W-160623 Grab Groundwater	8450209
MW-17-W-160623 Grab Groundwater	8450210
MW-18-W-160623 Grab Groundwater	8450211
MW-23-W-160623 Grab Groundwater	8450212
MW-28-W-160623 Grab Groundwater	8450213
MW-30-W-160622 Grab Groundwater	8450214
MW-31-W-160622 Grab Groundwater	8450215
MW-37-W-160622 Grab Groundwater	8450216

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-160622 NA Water
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450203
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/22/2016

Chevron

Submitted: 06/28/2016 09:35

6001 Bollinger Canyon Road

Reported: 07/12/2016 12:32

L4310

San Ramon CA 94583

EWCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 14:27	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 14:27	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 14:27	Jeremy C Giffin	1

Sample Description: DUP-WD-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450204
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWCFD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	120	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	150	29	1
08271	Heavy Range Organics C24-C40	n.a.	540	67	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 15:22	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 15:22	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 15:22	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161870014A	07/06/2016 11:52	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161870014A	07/06/2016 00:10	Denise L Trimby	1

Sample Description: MW-5-W-160622 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450205
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/22/2016 18:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	92	28	1
08271	Heavy Range Organics C24-C40	n.a.	71	66	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 15:50	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 15:50	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 15:50	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 06:26	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 15:54	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-6-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450206
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 13:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 740	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 5.8	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	0.8	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 100	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	200	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602	1	16182A53A	07/05/2016 16:18	Jeremy C Giffin	1
02102	Method 8021 Water Master	NWTPH-Gx SW-846 8021B	1	16182A53A	07/05/2016 16:18	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 16:18	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810005A	06/29/2016 18:18	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 05:00	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 16:16	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-6-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450206
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 13:15 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-7-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450207
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 12:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 18,000	ug/l 250	5
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l 13	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	16	0.5	1
02102	Toluene	108-88-3	7.1	0.5	1
02102	Total Xylenes	1330-20-7	190	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 4,300	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	890	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 2,800	ug/l 28	1
12005	HRO C24-C40 w/Si Gel	n.a.	210	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 23:39	Jeremy C Giffin	5
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53B	07/07/2016 14:10	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 23:39	Jeremy C Giffin	5
01146	GC VOA Water Prep	SW-846 5030B	2	16182A53B	07/07/2016 14:10	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810005A	06/29/2016 18:37	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 07:09	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 16:37	Christine E Dolman	1

Sample Description: MW-7-W-160623 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450207
 LL Group # 1676966
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 12:10 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-8-W-160623 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450208
 LL Group # 1676966
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 11:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 17:41	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 17:41	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 17:41	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 10:53	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 07:31	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 16:59	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-8-W-160623 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450208
 LL Group # 1676966
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 11:05 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-15-W-160623 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450209
 LL Group # 1676966
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 06:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 120	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 66	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	240	68	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 18:08	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 18:08	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 18:08	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 11:30	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 06:48	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 17:21	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-15-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450209
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 06:30 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-17-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450210
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	n.a.	72,000	1,000	20
GC Volatiles					
02102	Benzene	71-43-2	150	10	20
02102	Ethylbenzene	100-41-4	2,200	10	20
02102	Toluene	108-88-3	2,400	10	20
02102	Total Xylenes	1330-20-7	7,900	30	20
GC Miscellaneous					
07105	Methane	74-82-8	11	3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	n.a.	2,100	28	1
08271	Heavy Range Organics C24-C40	n.a.	480	66	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	n.a.	260	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602	1	16182A53A	07/06/2016 00:07	Jeremy C Giffin	20
02102	Method 8021 Water Master	NWTPH-Gx SW-846 8021B	1	16182A53A	07/06/2016 00:07	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/06/2016 00:07	Jeremy C Giffin	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 11:49	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 07:52	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 17:43	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-17-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450210
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 08:55 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-18-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450211
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 10:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l 86	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 100	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	610	67	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
12005	HRO C24-C40 w/Si Gel	n.a.	120	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 18:36	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 18:36	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 18:36	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 12:07	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 08:14	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 19:10	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-18-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450211
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 10:00 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-23-W-160623 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450212
 LL Group # 1676966
 Account # 11260

Project Name: 96590

Collected: 06/23/2016 05:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602	1	16182A53A	07/05/2016 19:03	Jeremy C Giffin	1
02102	Method 8021 Water Master	NWTPH-Gx SW-846 8021B	1	16182A53A	07/05/2016 19:03	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 19:03	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 12:26	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 05:22	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 18:05	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-23-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450212
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 05:25 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-28-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450213
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 07:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx n.a.	ug/l N.D.	ug/l 50	1
GC Volatiles					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Miscellaneous					
07105	Methane	RSKSOP-175 modified 74-82-8	ug/l N.D.	ug/l 3.0	1
GC Petroleum Hydrocarbons					
08271	Diesel Range Organics C12-C24	ECY 97-602 NWTPH-Dx modified n.a.	ug/l 43	ug/l 29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	69	1
GC Petroleum Hydrocarbons w/Si					
12005	DRO C12-C24 w/Si Gel	ECY 97-602 NWTPH-Dx modified n.a.	ug/l N.D.	ug/l 29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 19:31	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 19:31	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 19:31	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	161810007A	06/29/2016 12:45	Nicholas R Rossi	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 05:43	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 18:27	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-28-W-160623 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450213
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/23/2016 07:55 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/28/2016 09:35

Reported: 07/12/2016 12:32

EWC28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-30-W-160622 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450214
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/22/2016 15:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 19:58	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 19:58	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 19:58	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161820016A	07/02/2016 06:05	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161820015A	07/08/2016 18:48	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161820015A	07/01/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161820016A	07/01/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-31-W-160622 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450215
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/22/2016 16:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 20:26	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 20:26	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 20:26	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161870014A	07/06/2016 10:24	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161870015A	07/08/2016 21:00	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161870015A	07/06/2016 00:10	Denise L Trimby	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161870014A	07/06/2016 00:10	Denise L Trimby	1

Sample Description: MW-37-W-160622 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8450216
LL Group # 1676966
Account # 11260

Project Name: 96590

Collected: 06/22/2016 17:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/28/2016 09:35

L4310

Reported: 07/12/2016 12:32

San Ramon CA 94583

EWC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles					
	SW-846 8021B		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	62	28	1
08271	Heavy Range Organics C24-C40	n.a.	1,500	66	1
GC Petroleum					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16182A53A	07/05/2016 20:53	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16182A53A	07/05/2016 20:53	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16182A53A	07/05/2016 20:53	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161870014A	07/06/2016 11:30	Christine E Dolman	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161870015A	07/08/2016 21:22	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161870015A	07/06/2016 00:10	Denise L Trimby	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161870014A	07/06/2016 00:10	Denise L Trimby	1

Quality Control Summary

Client Name: Chevron
Reported: 07/12/2016 12:32

Group Number: 1676966

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 16182A53A	Sample number(s): 8450203-8450216	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.5
Total Xylenes	N.D.	1.5
Batch number: 16182A53B	Sample number(s): 8450207	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Total Xylenes	N.D.	1.5
Batch number: 161810005A	Sample number(s): 8450206-8450207	
Methane	N.D.	3.0
Batch number: 161810007A	Sample number(s): 8450208-8450213	
Methane	N.D.	3.0
Batch number: 161820016A	Sample number(s): 8450205-8450214	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 161870014A	Sample number(s): 8450204,8450215-8450216	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 161820015A	Sample number(s): 8450205-8450214	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 161870015A	Sample number(s): 8450215-8450216	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16182A53A	Sample number(s): 8450203-8450216								
Benzene	20	21.81	20	21.72	109	109	80-120	0	30
Ethylbenzene	20.1	19.69	20.1	19.65	98	98	80-120	0	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/12/2016 12:32

Group Number: 1676966

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
NWTPH-Gx water C7-C12	1100	1036.29	1100	1032.88	94	94	79-120	0	30
Toluene	20.2	20.66	20.2	20.75	102	103	80-120	0	30
Total Xylenes	60.2	60.89	60.2	61.28	101	102	80-120	1	30
Batch number: 16182A53B	Sample number(s): 8450207								
Benzene	20	21.81	20	21.72	109	109	80-120	0	30
Ethylbenzene	20.1	19.69	20.1	19.65	98	98	80-120	0	30
Toluene	20.2	20.66	20.2	20.75	102	103	80-120	0	30
Total Xylenes	60.2	60.89	60.2	61.28	101	102	80-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161810005A	Sample number(s): 8450206-8450207								
Methane	59.8	58.2			97		85-115		
Batch number: 161810007A	Sample number(s): 8450208-8450213								
Methane	59.8	66.38	59.8	63.18	111	106	85-115	5	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161820016A	Sample number(s): 8450205-8450214								
Diesel Range Organics C12-C24	1600	1169.86	1600	1120.78	73	70	50-113	4	20
Batch number: 161870014A	Sample number(s): 8450204,8450215-8450216								
Diesel Range Organics C12-C24	1600	1280.56	1600	1328.97	80	83	50-113	4	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161820015A	Sample number(s): 8450205-8450214								
DRO C12-C24 w/Si Gel	1600	993.43	1600	925.07	62	58	32-117	7	20
Batch number: 161870015A	Sample number(s): 8450215-8450216								
DRO C12-C24 w/Si Gel	1600	806.43	1600	996.81	50	62	32-117	21*	20

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max	
Batch number: 161810005A	Sample number(s): 8450206-8450207 UNSPK: P445432										
Methane	22.95	59.8	58.19	59.8	58.24	59*	59*	73-125	0	30	
Batch number: 161810007A	Sample number(s): 8450208-8450213 UNSPK: 8450208										
Methane	N.D.	59.8	61.94			104		73-125			

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/12/2016 12:32

Group Number: 1676966

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master
Batch number: 16182A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8450203	107	107
8450204	105	101
8450205	107	101
8450206	108	109
8450207		106
8450208	107	103
8450209	106	96
8450210	109	106
8450211	106	102
8450212	106	104
8450213	106	109
8450214	107	109
8450215	106	108
8450216	107	109
Blank	107	104
LCS	106	110
LCSD	107	105
Limits:	51-120	63-135

Analysis Name: Method 8021 Water Master
Batch number: 16182A53B

	Trifluorotoluene-P
8450207	98
Blank	107
LCS	106
LCSD	107
Limits:	51-120

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 161810005A

	Propene
8450206	83
8450207	79
Blank	90
LCS	86
MS	94
MSD	95
Limits:	44-123

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 161810007A

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/12/2016 12:32

Group Number: 1676966

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Propene	
8450208	86
8450209	89
8450210	87
8450211	91
8450212	88
8450213	92
Blank	89
LCS	93
LCSD	95
MS	91

Limits: 44-123

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 161820015A

Orthoterphenyl	
8450205	95
8450206	91
8450207	88
8450208	94
8450209	91
8450210	85
8450211	96
8450212	87
8450213	94
8450214	95
Blank	90
LCS	96
LCSD	91

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 161820016A

Orthoterphenyl	
8450205	90
8450206	90
8450207	110
8450208	84
8450209	89
8450210	95
8450211	89
8450212	82
8450213	80
8450214	83
Blank	85
LCS	92
LCSD	88

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/12/2016 12:32

Group Number: 1676966

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 161870014A

Orthoterphenyl

8450204	121
8450215	107
8450216	115
Blank	118
LCS	117
LCS D	124

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 161870015A

Orthoterphenyl

8450215	100
8450216	93
Blank	93
LCS	103
LCS D	118

Limits: 50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # H071260 For Eurofins Lancaster Laboratories use only
 Group # 1616966 Sample # 8450203-16
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested						6 Remarks					
Facility # SS#9-6590-OML G-R#386610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G. MEDINA			Sediment <input type="checkbox"/> <input checked="" type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/>			Total Number of Containers BTEX + <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> COLUMN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (Rsk of -175M)						SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits					
2 Sample Identification			3 Composite														
		Collected															
		Date	Time	Grab	Composite												
		6/22	—	X	W							DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.					
		23	—	↓	↓												
		22	1830	↓	↓												
		23	1315	↓	↓												
		↓	1210	↓	↓												
		↓	1105	↓	↓												
		↓	0630	↓	↓												
		↓	0855	↓	↓												
		↓	1000	↓	↓												
		↓	0525	↓	↓												
		↓	0755	↓	↓												
		22	1545	↓	↓												
		↓	1640	↓	↓												
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date		Time		Received by		Date		Time			
Standard <input type="checkbox"/> 5 day 4 day <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/>			<i>[Signature]</i>			6/27/16		1230		<i>[Signature]</i>		6/27/16		1230			
			Relinquished by			Date		Time		Received by		Date		Time			
			EDF/EDD 24 hour														
8 Data Package (circle if required)			Relinquished by Commercial Carrier:			Received by						Date		Time			
Type I - Full <input type="checkbox"/> Type VI (Raw Data) <input type="checkbox"/>			EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____			UPS _____ FedEx _____ Other _____ Temperature Upon Receipt <u>0.8-1.4 °C</u>						<i>[Signature]</i>		6/28/16		935	
						Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											

Client: Chevron

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 06/28/2016 9:35
 Number of Packages: 4 Number of Projects: 1
 State/Province of Origin: CA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (\geq 6mm):	See Below
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCL
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

VOA Vial IDs (Headspace \geq 6mm): MW-17 (1 HCL), MW-30 (1 HCL)

Unpacked by Joseph Huber (7831) at 10:36 on 06/28/2016

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Bagged	N
2	DT121	1.4	DT	Wet	Y	Bagged	N
3	DT121	1.3	DT	Wet	Y	Bagged	N
4	DT121	1.0	DT	Wet	Y	Bagged	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
MW-6	8	5	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: September 26, 2016

Project: 96590

Submittal Date: 09/13/2016
Group Number: 1707518
PO Number: 0015194335
Release Number: HETRICK
State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
MW-6-W-160912 Grab Groundwater	8583358
MW-7-W-160912 Grab Groundwater	8583359
MW-8-W-160912 Grab Groundwater	8583360
MW-15-W-160912 Grab Groundwater	8583361
MW-17-W-160912 Grab Groundwater	8583362
MW-18-W-160912 Grab Groundwater	8583363
MW-23-W-160912 Grab Groundwater	8583364
MW-28-W-160912 Grab Groundwater	8583365

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style.

Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-6-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583358
 LL Group # 1707518
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:45 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 09/13/2016 10:00 L4310
 Reported: 09/26/2016 12:02 San Ramon CA 94583

EWA06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0099	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen The holding time was not met.	14797-55-8	5,600	250	5
00228	Sulfate	14808-79-8	28,400	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 02:41	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 04:57	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 04:57	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	1

Sample Description: MW-7-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583359
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0098	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen The holding time was not met.	14797-55-8	14,300	500	10
00228	Sulfate	14808-79-8	54,200	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	82	10	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 03:12	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 07:35	Clinton M Wilson	10
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 05:13	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	1

Sample Description: MW-8-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583360
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	16,600	500	10
			The holding time was not met.		
00228	Sulfate	14808-79-8	50,500	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	100	10	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 03:43	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 07:51	Clinton M Wilson	10
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 05:29	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	1

Sample Description: MW-15-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583361
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 10:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	0.021	0.0098	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,600	250	5
			The holding time was not met.		
00228	Sulfate	14808-79-8	42,900	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	53	10	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 03:58	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 06:16	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 06:16	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	1

Sample Description: MW-17-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583362
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	1.8	0.20	20
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
			The holding time was not met.		
00228	Sulfate	14808-79-8	N.D.	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	7,900	500	50

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/23/2016 12:20	Heather M Miller	20
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 06:32	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 06:32	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	50

Sample Description: MW-18-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583363
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 09:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0098	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen The holding time was not met.	14797-55-8	15,400	500	10
00228	Sulfate	14808-79-8	28,000	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	800	20	2

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 04:29	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 08:07	Clinton M Wilson	10
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 06:48	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	2

Sample Description: MW-23-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583364
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0098	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen The holding time was not met.	14797-55-8	3,400	250	5
00228	Sulfate	14808-79-8	14,400	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	830	20	2

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 04:45	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 07:04	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 07:04	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	2

Sample Description: MW-28-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583365
LL Group # 1707518
Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 09/26/2016 12:02

San Ramon CA 94583

EWA28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.010	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen The holding time was not met.	14797-55-8	21,000	500	10
00228	Sulfate	14808-79-8	30,000	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	180	10	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	162600001A	09/17/2016 05:00	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162600001A	09/16/2016 07:00	Jessica M Cook	1
00368	Nitrate Nitrogen	EPA 300.0	1	16259987171A	09/15/2016 08:22	Clinton M Wilson	10
00228	Sulfate	EPA 300.0	1	16259987171A	09/15/2016 07:19	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16261834402A	09/17/2016 07:15	Daniel S Smith	1

Quality Control Summary

Client Name: Chevron
Reported: 09/26/2016 12:02

Group Number: 1707518

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 162600001A		
Ethylene dibromide	N.D.	0.010
Batch number: 16259987171A		
Nitrate Nitrogen	N.D.	50
Sulfate	N.D.	300
Batch number: 16261834402A		
Ferrous Iron	N.D.	10

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 162600001A	Sample number(s): 8583358-8583365								
Ethylene dibromide	0.128	0.116	0.128	0.120	91	94	60-140	3	20
Batch number: 16259987171A	Sample number(s): 8583358-8583365								
Nitrate Nitrogen	750	749.83			100		90-110		
Sulfate	7500	7539.96			101		90-110		
Batch number: 16261834402A	Sample number(s): 8583358-8583365								
Ferrous Iron	400	394.68			99		93-105		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 162600001A	Sample number(s): 8583358-8583365 UNSPK: 8583358									
Ethylene dibromide	N.D.	0.126	0.144			114		60-140		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 09/26/2016 12:02

Group Number: 1707518

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16259987171A	Sample number(s): 8583358-8583365 UNSPK: P583353									
Nitrate Nitrogen	N.D.	5000	5093.23			102		90-110		
Sulfate	16032.11	50000	66646.36			101		90-110		
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 16261834402A	Sample number(s): 8583358-8583365 UNSPK: P584103									
Ferrous Iron	15469.8	40000	55333.44	40000	53726.85	100	96	93-105	3	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 162600001A	Sample number(s): 8583358-8583365 BKG: 8583359			
Ethylene dibromide	N.D.	N.D.	0 (1)	30
	ug/l	ug/l		
Batch number: 16259987171A	Sample number(s): 8583358-8583365 BKG: P583353			
Nitrate Nitrogen	N.D.	N.D.	0 (1)	15
Sulfate	16032.11	15992.7	0 (1)	15
	ug/l	ug/l		
Batch number: 16261834402A	Sample number(s): 8583358-8583365 BKG: P584103			
Ferrous Iron	15469.8	15771.04	2 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EDB by 8011
Batch number: 162600001A
1,1,2,2-Tetrachloroethane

8583358	104
8583359	103
8583360	93
8583361	92
8583362	118
8583363	96
8583364	86
8583365	98

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 09/26/2016 12:02

Group Number: 1707518

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

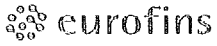
	1,1,2,2-Tetrachloroethane
Blank	89
DUP	106
LCS	83
LCSD	82
MS	96
Limits:	46-136

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster
Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only.
Group # 1101518 Sample # 6383358-65
Instructions on reverse side correspond with circled numbers.

① Client Information			④ Matrix			⑤ Analyses Requested						SCR #: _____				
Facility # SS#9-6590-OMI G-R#386610 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air						8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH Lead Total Diss. Method NITRATE (SULFATE) (EA 500.0) FERRICUS (POW) (SMA 550 Fe B 112) EDB (B01)				
Site Address 232 East Woodin Avenue, CHELAN, WA			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth			<input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire			<input type="checkbox"/> Oil <input type="checkbox"/> Air			<input type="checkbox"/> WA VPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568			<input type="checkbox"/> Total Number of Containers			<input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth			<input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
Consultant Phone # (925) 551-7444 x180			<input type="checkbox"/> Oil <input type="checkbox"/> Air			<input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
Sampler G. MEDINA / A. WONG			<input type="checkbox"/> Total Number of Containers			<input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										
② Sample Identification			③ Composite			⑥ Remarks										
		Collected		Grab	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260			Naphth		
		Date	Time													
MW-6		16/9/12	0645	X		W		5					X	DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.		
MW-7			0855													
MW-8			1250													
MW-15			1010													
MW-17			0835													
MW-18			0935													
MW-23			0635													
MW-28			0735													
⑦ Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date		Time		Received by		Date		Time		
Standard 5 day 72 hour 4 day EDF/EDD 24 hour			A. Wong			9/12/16		12:00		K. Abe						
⑧ Data Package (circle if required)			Relinquished by Commercial Carrier:			Date		Time		Received by		Date		Time		
Type I - Full			UPS <input checked="" type="checkbox"/> FedEx _____ Other _____							K. Abe		9/13/16		10:00		
Type VI (Raw Data)			Temperature Upon Receipt 0.4 °C							Custody Seals Intact?		Yes		No		

Client: Chevron

6590

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 09/13/2016 10:00
 Number of Packages: 7 Number of Projects: 2
 State/Province of Origin: WA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Krista Abel (3058) at 11:52 on 09/13/2016

Samples Chilled Details: 6590

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	32170023	2.7	IR	Wet	Y	Bagged	N
2	DT146	0.6	DT	Wet	Y	Bagged	N
3	DT146	1.9	DT	Wet	Y	Bagged	N
4	DT146	1.5	DT	Wet	Y	Bagged	N
5	DT146	0.7	DT	Wet	Y	Bagged	N
6	DT146	0.5	DT	Wet	Y	Bagged	N
7	DT146	0.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: October 03, 2016

Project: 96590

Submittal Date: 09/13/2016

Group Number: 1707519

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
QA-T-160912 NA Water	8583366
MW-5-W-160912 Grab Groundwater	8583367
MW-6-W-160912 Grab Groundwater	8583368
MW-6-W-160912 Filtered Grab Groundwater	8583369
MW-7-W-160912 Grab Groundwater	8583370
MW-7-W-160912 Filtered Grab Groundwater	8583371
MW-8-W-160912 Grab Groundwater	8583372
MW-8-W-160912 Filtered Grab Groundwater	8583373
MW-15-W-160912 Grab Groundwater	8583374
MW-15-W-160912 Filtered Grab Groundwater	8583375
MW-17-W-160912 Grab Groundwater	8583376
MW-17-W-160912 Filtered Grab Groundwater	8583377
MW-18-W-160912 Grab Groundwater	8583378
MW-18-W-160912 Filtered Grab Groundwater	8583379
MW-23-W-160912 Grab Groundwater	8583380
MW-23-W-160912 Filtered Grab Groundwater	8583381
MW-28-W-160912 Grab Groundwater	8583382
MW-28-W-160912 Filtered Grab Groundwater	8583383
MW-30-W-160912 Grab Groundwater	8583384
MW-31-W-160912 Grab Groundwater	8583385
MW-37-W-160912 Grab Groundwater	8583386
DUP-WD-160912 Grab Groundwater	8583387

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-160912 NA Water
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583366
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016

Chevron

Submitted: 09/13/2016 10:00

6001 Bollinger Canyon Road

Reported: 10/03/2016 13:32

L4310

San Ramon CA 94583

EWCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	D162602AA	09/16/2016 14:51	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 14:51	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/20/2016 17:04	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/20/2016 17:04	Jeremy C Giffin	1

Sample Description: MW-5-W-160912 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583367
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 05:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 18:40	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 18:40	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/20/2016 23:03	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/20/2016 23:03	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016 20:12	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660030A	09/23/2016 15:33	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660031A	09/27/2016 19:19	Thomas C Wildermuth	1

Sample Description: MW-5-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583367
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 05:35 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 09/13/2016 10:00

Reported: 10/03/2016 13:32

EWC05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660031A	09/22/2016 22:45	Kerrie A Freeburn	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660030A	09/22/2016 22:45	Kerrie A Freeburn	1

Sample Description: MW-6-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583368
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l ug/l					
10945	Benzene	71-43-2	0.8	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	1,300	50	1
Volatiles by SW-846 8011 ug/l ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0094	1
GC Miscellaneous RSKSOP-175 modified ug/l ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	95	29	1
08271	Heavy Range Organics C24-C40	n.a.	110	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	386,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 19:02	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 19:02	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/20/2016 23:30	Jeremy C Giffin	1

Sample Description: MW-6-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583368
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/20/2016	23:30	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	20:27	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	13:53	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660030A	09/23/2016	15:56	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660031A	09/27/2016	19:40	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660031A	09/22/2016	22:45	Kerrie A Freeburn	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660030A	09/22/2016	22:45	Kerrie A Freeburn	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002103A	09/19/2016	01:07	Nathan T Morgan	1

Sample Description: MW-6-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583369
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,090	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162641848002	09/21/2016 11:33	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162641848002	09/20/2016 22:00	Annamaria Kuhns	1

Sample Description: MW-7-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583370
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	4	0.5	1
10945	Toluene	108-88-3	0.6	0.5	1
10945	Xylene (Total)	1330-20-7	62	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	33,000	1,300	25
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	0.010	0.0095	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	36,000	290	10
08271	Heavy Range Organics C24-C40	n.a.	3,100	670	10
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	29,000	1,400	50
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	3,300	50
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	443,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162621AA	09/19/2016 01:33	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162621AA	09/19/2016 01:33	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/21/2016 02:16	Jeremy C Giffin	25

Sample Description: MW-7-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583370
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/21/2016	02:16	Jeremy C Giffin	25
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	20:43	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	14:12	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660030A	09/27/2016	22:12	Amy Lehr	10
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660031A	09/29/2016	22:02	Thomas C Wildermuth	50
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660031A	09/22/2016	22:45	Kerrie A Freeburn	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660030A	09/22/2016	22:45	Kerrie A Freeburn	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002103A	09/19/2016	00:47	Nathan T Morgan	1

Sample Description: MW-7-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583371
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:55 by GM Chevron
 Submitted: 09/13/2016 10:00 6001 Bollinger Canyon Road
 Reported: 10/03/2016 13:32 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,700	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162641848002	09/21/2016 11:36	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162641848002	09/20/2016 22:00	Annamaria Kuhns	1

Sample Description: MW-8-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583372
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	193,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 19:48	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 19:48	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/20/2016 23:57	Jeremy C Giffin	1

Sample Description: MW-8-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583372
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/20/2016	23:57	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	20:59	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	14:31	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660030A	09/23/2016	16:17	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660031A	09/27/2016	20:02	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660031A	09/22/2016	22:45	Kerrie A Freeburn	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660030A	09/22/2016	22:45	Kerrie A Freeburn	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002104A	09/19/2016	02:56	Nathan T Morgan	1

Sample Description: MW-8-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583373
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:50 by GM Chevron
 Submitted: 09/13/2016 10:00 6001 Bollinger Canyon Road
 Reported: 10/03/2016 13:32 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 2,530	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162641848002	09/21/2016 11:39	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162641848002	09/20/2016 22:00	Annamaria Kuhns	1

Sample Description: MW-15-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583374
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 10:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	320	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0094	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	170	29	1
08271	Heavy Range Organics C24-C40	n.a.	450	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	53	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	198,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 20:11	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 20:11	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/21/2016 00:53	Jeremy C Giffin	1

Sample Description: MW-15-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583374
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 10:10 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/21/2016	00:53	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	21:45	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	14:49	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660030A	09/23/2016	16:39	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660031A	09/27/2016	20:24	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660031A	09/22/2016	22:45	Kerrie A Freeburn	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660030A	09/22/2016	22:45	Kerrie A Freeburn	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002104A	09/19/2016	02:11	Nathan T Morgan	1

Sample Description: MW-15-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583375
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 10:10 by GM Chevron
 Submitted: 09/13/2016 10:00 6001 Bollinger Canyon Road
 Reported: 10/03/2016 13:32 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 40.3	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162641848002	09/21/2016 11:42	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162641848002	09/20/2016 22:00	Annamaria Kuhns	1

Sample Description: MW-17-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583376
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	63	5	10
10945	1,2-Dichloroethane	107-06-2	N.D.	5	10
10945	Ethylbenzene	100-41-4	1,500	5	10
10945	Toluene	108-88-3	1,800	5	10
10945	Xylene (Total)	1330-20-7	7,500	50	100
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	63,000	1,000	20
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	1.4	0.19	20
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	15	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	2,000	29	1
08271	Heavy Range Organics C24-C40	n.a.	350	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	340	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	416,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 20:34	Daniel H Heller	10
10945	BTEX/EDC	SW-846 8260B	1	D162621AA	09/19/2016 03:51	Hu Yang	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 20:34	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D162621AA	09/19/2016 03:51	Hu Yang	100

Sample Description: MW-17-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583376
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/21/2016 02:44	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/21/2016 02:44	Jeremy C Giffin	20
10398	EDB by 8011	SW-846 8011	1	162670014A	09/27/2016 16:48	Heather M Miller	20
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016 15:08	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016 02:18	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016 14:31	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016 09:00	Bradley W VanLeuven	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002103A	09/18/2016 23:59	Nathan T Morgan	1

Sample Description: MW-17-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583377
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 08:35 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 09/13/2016 10:00 L4310
 Reported: 10/03/2016 13:32 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 1,950	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162641848002	09/21/2016 11:45	Joanne M Gates	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162641848002	09/20/2016 22:00	Annamaria Kuhns	1

Sample Description: MW-18-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583378
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 09:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	110	50	1
Volatiles by SW-846 8011 ug/l ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
GC Miscellaneous RSKSOP-175 modified ug/l ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	240	29	1
08271	Heavy Range Organics C24-C40	n.a.	660	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	120	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	258,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 20:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 20:57	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/21/2016 01:21	Jeremy C Giffin	1

Sample Description: MW-18-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583378
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 09:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/21/2016	01:21	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	22:16	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	15:26	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016	02:39	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016	17:08	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016	09:00	Bradley W VanLeuven	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002104A	09/19/2016	02:49	Nathan T Morgan	1

Sample Description: MW-18-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583379
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 09:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 163	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162671848001	09/25/2016 16:36	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162671848001	09/25/2016 06:05	Lisa J Cooke	1

Sample Description: MW-23-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583380
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0094	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	199,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 21:20	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 21:20	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16264A53A	09/21/2016 01:48	Jeremy C Giffin	1

Sample Description: MW-23-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583380
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	16264A53A	09/21/2016	01:48	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	22:31	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	15:45	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016	00:30	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016	14:52	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016	09:00	Bradley W VanLeuven	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002103A	09/19/2016	00:40	Nathan T Morgan	1

Sample Description: MW-23-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583381
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 06:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l N.D.	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162671848001	09/25/2016 16:39	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162671848001	09/25/2016 06:05	Lisa J Cooke	1

Sample Description: MW-28-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583382
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0093	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	37	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	213,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 21:42	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 21:42	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16263A94A	09/20/2016 15:51	Jeremy C Giffin	1

Sample Description: MW-28-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583382
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	16263A94A	09/20/2016	15:51	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016	22:47	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016	18:00	Shawn J McMullen	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	162600014A	09/16/2016	16:04	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016	00:52	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016	15:14	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016	09:00	Bradley W VanLeuven	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	16262002104A	09/19/2016	02:31	Nathan T Morgan	1

Sample Description: MW-28-W-160912 Filtered Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583383
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 07:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07058	Manganese	SW-846 6010B 7439-96-5	ug/l 8.1	ug/l 1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010B	1	162611848002	09/20/2016 23:15	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	162611848002	09/20/2016 07:03	James L Mertz	1

Sample Description: MW-30-W-160912 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583384
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 04:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 22:05	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 22:05	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16263A94A	09/20/2016 16:17	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16263A94A	09/20/2016 16:17	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016 23:02	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016 01:56	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016 15:35	Thomas C Wildermuth	1

Sample Description: MW-30-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583384
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 04:35 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 09/13/2016 10:00

Reported: 10/03/2016 13:32

EWC30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-31-W-160912 Grab Groundwater
Facility# 96590 Job# 386610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583385
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 05:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162602AA	09/16/2016 22:28	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162602AA	09/16/2016 22:28	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	16263A94A	09/20/2016 16:42	Jeremy C Giffin	1
		NWTPH-Gx					
01146	GC VOA Water Prep	SW-846 5030B	1	16263A94A	09/20/2016 16:42	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016 23:18	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
08271	NWTPH-Dx water	ECY 97-602	1	162660042A	09/24/2016 01:13	Amy Lehr	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	162660041A	09/27/2016 16:25	Thomas C Wildermuth	1
		NWTPH-Dx modified					

Sample Description: MW-31-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583385
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 05:35 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 09/13/2016 10:00

Reported: 10/03/2016 13:32

EWC31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-37-W-160912 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583386
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 04:30 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
Volatiles by SW-846 8011 ug/l					
Extraction					
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	230	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162621AA	09/19/2016 01:56	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162621AA	09/19/2016 01:56	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16263A94A	09/20/2016 17:08	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16263A94A	09/20/2016 17:08	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016 23:33	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162660042A	09/24/2016 01:35	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	162660041A	09/27/2016 16:47	Thomas C Wildermuth	1

Sample Description: MW-37-W-160912 Grab Groundwater
 Facility# 96590 Job# 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583386
 LL Group # 1707519
 Account # 11260

Project Name: 96590

Collected: 09/12/2016 04:30 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 09/13/2016 10:00

Reported: 10/03/2016 13:32

EWC37

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	162660041A	09/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162660042A	09/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: DUP-WD-160912 Grab Groundwater
Facility# 96590 **Job#** 386610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8583387
LL Group # 1707519
Account # 11260

Project Name: 96590

Collected: 09/12/2016 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 09/13/2016 10:00

L4310

Reported: 10/03/2016 13:32

San Ramon CA 94583

EWCFD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	210	50	1
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0094	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	170	28	1
08271	Heavy Range Organics C24-C40	n.a.	440	66	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D162621AA	09/19/2016 02:19	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D162621AA	09/19/2016 02:19	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16263A94A	09/20/2016 17:34	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16263A94A	09/20/2016 17:34	Jeremy C Giffin	1
10398	EDB by 8011	SW-846 8011	1	162670014A	09/25/2016 23:49	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	162670014A	09/23/2016 18:00	Shawn J McMullen	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	162610020A	09/19/2016 21:36	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	162610020A	09/19/2016 09:00	Jessica M Cook	1

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: D162602AA	Sample number(s): 8583366-8583368, 8583372, 8583374, 8583376, 8583378, 8583380, 8583382, 8583384-8583385	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: D162621AA	Sample number(s): 8583370, 8583376, 8583386-8583387	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 16263A94A	Sample number(s): 8583382, 8583384-8583387	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 16264A53A	Sample number(s): 8583366-8583368, 8583370, 8583372, 8583374, 8583376, 8583378, 8583380	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 162670014A	Sample number(s): 8583367-8583368, 8583370, 8583372, 8583374, 8583376, 8583378, 8583380, 8583382, 8583384-8583387	
Ethylene dibromide	N.D.	0.010
Batch number: 162600014A	Sample number(s): 8583368, 8583370, 8583372, 8583374, 8583376, 8583378, 8583380, 8583382	
Methane	N.D.	3.0
Batch number: 162610020A	Sample number(s): 8583387	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 162660030A	Sample number(s): 8583367-8583368, 8583370, 8583372, 8583374	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 162660042A	Sample number(s): 8583376, 8583378, 8583380, 8583382, 8583384-8583386	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 162660031A	Sample number(s): 8583367-8583368, 8583370, 8583372, 8583374	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 162660041A	Sample number(s): 8583376, 8583378, 8583380, 8583382, 8583384-8583386	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Method Blank (continued)

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 162611848002	Sample number(s): 8583383	
Manganese	N.D.	1.8
Batch number: 162641848002	Sample number(s): 8583369, 8583371, 8583373, 8583375, 8583377	
Manganese	N.D.	1.8
Batch number: 162671848001	Sample number(s): 8583379, 8583381	
Manganese	N.D.	1.8
	ug/l as CaCO3	ug/l as CaCO3
Batch number: 16262002103A	Sample number(s): 8583368, 8583370, 8583376, 8583380	
Total Alkalinity to pH 4.5	N.D.	1,700
Batch number: 16262002104A	Sample number(s): 8583372, 8583374, 8583378, 8583382	
Total Alkalinity to pH 4.5	N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: D162602AA	Sample number(s): 8583366-8583368, 8583372, 8583374, 8583376, 8583378, 8583380, 8583382, 8583384-8583385								
Benzene	20	17.15	20	18.05	86	90	78-120	5	30
1,2-Dichloroethane	20	14.47	20	15.51	72	78	66-128	7	30
Ethylbenzene	20	17.23	20	18.5	86	92	78-120	7	30
Toluene	20	17.68	20	19.38	88	97	80-120	9	30
Xylene (Total)	60	53.38	60	58.06	89	97	80-120	8	30
Batch number: D162621AA	Sample number(s): 8583370, 8583376, 8583386-8583387								
Benzene	20	18.05			90		78-120		
1,2-Dichloroethane	20	15.77			79		66-128		
Ethylbenzene	20	18.5			92		78-120		
Toluene	20	19.02			95		80-120		
Xylene (Total)	60	57.54			96		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16263A94A	Sample number(s): 8583382, 8583384-8583387								
NWTPH-Gx water C7-C12	1100	1165.81	1100	1134.24	106	103	79-120	3	30
Batch number: 16264A53A	Sample number(s): 8583366-8583368, 8583370, 8583372, 8583374, 8583376, 8583378, 8583380								
NWTPH-Gx water C7-C12	1100	1104	1100	1073.06	100	98	79-120	3	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 162670014A	Sample number(s): 8583367-8583368, 8583370, 8583372, 8583374, 8583376, 8583378, 8583380, 8583382, 8583384-8583387								
Ethylene dibromide	0.128	0.134	0.128	0.143	105	111	60-140	6	20

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 162600014A Methane	59.8	62.58	59.8	57.5	105	96	85-115	8	20
Sample number(s): 8583368,8583370,8583372,8583374,8583376,8583378,8583380,8583382									
Batch number: 162610020A Diesel Range Organics C12-C24	1600	1259.55	1600	1199	79	75	50-113	5	20
Sample number(s): 8583387									
Batch number: 162660030A Diesel Range Organics C12-C24	1600	1075.84	1600	1233.37	67	77	50-113	14	20
Sample number(s): 8583367-8583368,8583370,8583372,8583374									
Batch number: 162660042A Diesel Range Organics C12-C24	1600	1133.01	1600	1106.11	71	69	50-113	2	20
Sample number(s): 8583376,8583378,8583380,8583382,8583384-8583386									
Batch number: 162660031A DRO C12-C24 w/Si Gel	1600	960	1600	1141.47	60	71	32-117	17	20
Sample number(s): 8583367-8583368,8583370,8583372,8583374									
Batch number: 162660041A DRO C12-C24 w/Si Gel	1600	815.83	1600	1004.53	51	63	32-117	21*	20
Sample number(s): 8583376,8583378,8583380,8583382,8583384-8583386									
Batch number: 162611848002 Manganese	500	526.41			105		80-120		
Sample number(s): 8583383									
Batch number: 162641848002 Manganese	500	520.42			104		80-120		
Sample number(s): 8583369,8583371,8583373,8583375,8583377									
Batch number: 162671848001 Manganese	500	516			103		80-120		
Sample number(s): 8583379,8583381									
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 16262002103A Total Alkalinity to pH 4.5	188000	174380			93		84-110		
Sample number(s): 8583368,8583370,8583376,8583380									
Batch number: 16262002104A Total Alkalinity to pH 4.5	188000	173250			92		84-110		
Sample number(s): 8583372,8583374,8583378,8583382									

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D162602AA										
Sample number(s): 8583366-8583368,8583372,8583374,8583376,8583378,8583380,8583382,8583384-8583385 UNSPK: P583418										

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Benzene	N.D.	20	18.08	20	18.53	90	93	78-120	2	30
1,2-Dichloroethane	N.D.	20	14.98	20	15.67	75	78	66-128	4	30
Ethylbenzene	N.D.	20	18.42	20	18.92	92	95	78-120	3	30
Toluene	N.D.	20	18.84	20	19.38	94	97	80-120	3	30
Xylene (Total)	N.D.	60	56.26	60	57.82	94	96	80-120	3	30
Batch number: D162621AA	Sample number(s): 8583370,8583376,8583386-8583387 UNSPK: P583390									
Benzene	2.91	20	20.25	20	18.23	87	77*	78-120	10	30
1,2-Dichloroethane	N.D.	20	16.17	20	14.88	81	74	66-128	8	30
Ethylbenzene	N.D.	20	19.7	20	18.59	98	93	78-120	6	30
Toluene	N.D.	20	20	20	18.92	100	95	80-120	6	30
Xylene (Total)	N.D.	60	61.65	60	57.61	103	96	80-120	7	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 162670014A	Sample number(s): 8583367-8583368,8583370,8583372,8583374,8583376,8583378,8583380,8583382,8583384-8583387 UNSPK: P585880									
Ethylene dibromide	N.D.	0.121	0.120	0.122	0.125	99	102	60-140	4	20
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 162611848002	Sample number(s): 8583383 UNSPK: P575285									
Manganese	340.53	500	853.13	500	845.72	103	101	75-125	1	20
Batch number: 162641848002	Sample number(s): 8583369,8583371,8583373,8583375,8583377 UNSPK: P579936									
Manganese	4.86	500	509.47	500	517.15	101	102	75-125	1	20
Batch number: 162671848001	Sample number(s): 8583379,8583381 UNSPK: P589830									
Manganese	25.28	500	536.03	500	535.58	102	102	75-125	0	20
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 16262002103A	Sample number(s): 8583368,8583370,8583376,8583380 UNSPK: P580533									
Total Alkalinity to pH 4.5	35000	188000	195500	188000	209430	85	93	84-110	7*	5
Batch number: 16262002104A	Sample number(s): 8583372,8583374,8583378,8583382 UNSPK: P583353									
Total Alkalinity to pH 4.5	124300	188000	254870			69*		84-110		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 162611848002	Sample number(s): 8583383 BKG: P575285			
Manganese	340.53	352.6	3	20

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 162641848002 Manganese	Sample number(s): 8583369, 8583371, 8583373, 8583375, 8583377 BKG: P579936 4.86	4.92	1 (1)	20
Batch number: 162671848001 Manganese	Sample number(s): 8583379, 8583381 BKG: P589830 25.28	25.15	1	20
	ug/l as CaCO3	ug/l as CaCO3		
Batch number: 16262002103A Total Alkalinity to pH 4.5	Sample number(s): 8583368, 8583370, 8583376, 8583380 BKG: P580533 35000	36630	5	5
Batch number: 16262002104A Total Alkalinity to pH 4.5	Sample number(s): 8583372, 8583374, 8583378, 8583382 BKG: P583353 124300	126060	1	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/EDC
Batch number: D162602AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8583366	90	97	99	94
8583367	89	97	100	92
8583368	88	97	100	95
8583372	88	96	101	93
8583374	88	96	100	94
8583376	89	97	100	93
8583378	89	97	100	93
8583380	90	96	100	92
8583382	89	97	99	93
8583384	88	97	100	93
8583385	89	98	100	93
Blank	90	96	101	94
LCS	89	98	100	95
LCSD	89	99	101	95
MS	88	98	100	96
MSD	88	98	101	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/EDC
Batch number: D162621AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8583370	91	101	99	101
8583386	89	101	100	95
8583387	89	100	101	94
Blank	91	104	100	95

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
LCS	90	102	100	95
MS	90	103	100	96
MSD	89	103	101	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 16263A94A

	Trifluorotoluene-F
8583382	82
8583384	80
8583385	80
8583386	80
8583387	86
Blank	93
LCS	88
LCSD	86

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 16264A53A

	Trifluorotoluene-F
8583366	101
8583367	101
8583368	124
8583370	101
8583372	99
8583374	100
8583376	112
8583378	102
8583380	99
Blank	101
LCS	113
LCSD	109

Limits: 63-135

Analysis Name: EDB by 8011
Batch number: 162670014A

	1,1,2,2-Tetrachloroethane
8583367	90
8583368	85
8583370	98
8583372	81
8583374	101
8583376	0*
8583378	88
8583380	88

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

1,1,2,2-Tetrachloroethane	
8583382	94
8583384	90
8583385	94
8583386	84
8583387	86
Blank	80
LCS	84
LCSD	92
MS	84
MSD	85

Limits: 46-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 162600014A

Propene	
8583368	80
8583370	75
8583372	81
8583374	84
8583376	81
8583378	87
8583380	91
8583382	87
Blank	102
LCS	107
LCSD	97

Limits: 44-123

Analysis Name: NWTPH-Dx water
Batch number: 162610020A

Orthoterphenyl	
8583387	105
Blank	96
LCS	108
LCSD	106

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 162660030A

Orthoterphenyl	
8583367	109
8583368	94
8583370	126
8583372	104
8583374	87
Blank	90

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 10/03/2016 13:32

Group Number: 1707519

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Orthoterphenyl	
LCS	94
LCSD	106
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 162660031A

Orthoterphenyl	
8583367	106
8583368	85
8583370	110
8583372	90
8583374	75
Blank	85
LCS	87
LCSD	100
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 162660041A

Orthoterphenyl	
8583376	90
8583378	78
8583380	89
8583382	84
8583384	80
8583385	87
8583386	83
Blank	79
LCS	81
LCSD	91
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 162660042A

Orthoterphenyl	
8583376	107
8583378	98
8583380	98
8583382	101
8583384	96
8583385	94
8583386	97
Blank	98
LCS	100
LCSD	99

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Chevron
Reported: 10/03/2016 13:32Group Number: 1707519

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Limits: 50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1701519 Sample # 8583366-87
 Instructions on reverse side correspond with circled numbers.

1 of 2

(1) Client Information			(4) Matrix			(5) Analyses Requested										(6) Remarks										
Facility # <u>SS#9-6590-OML G-R#386610</u> WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			Total Number of Containers BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method METHANE (RSKOP-17SM) DISSOLVED MANGANESE (6010B) ALKALINITY EDC 8260										SCR #: _____										
Site Address <u>232 East Woodin Avenue, CHELAN, WA</u>			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air													<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
Chevron PM <u>EH</u> LEIDOSRS Lead Consultant <u>Russell Shropshire</u>																										
Consultant/Office <u>Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>																										
Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com)</u>																										
Consultant Phone # <u>(925) 551-7444 x180</u>																										
Sampler <u>G. MENINA / A. WONG</u>																										
(2) Sample Identification		Collected		(3) Grab	Composite																					
Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method	METHANE (RSKOP-17SM)	DISSOLVED MANGANESE (6010B)	ALKALINITY	EDC 8260				
<u>QA</u>	<u>11/09/12</u>			<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERED. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.		
<u>MW-5</u>		<u>0535</u>					<u>13</u>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													
<u>MW-6</u>		<u>0645</u>																								
<u>MW-7</u>		<u>0855</u>																								
<u>MW-8</u>		<u>0750</u>																								
<u>MW-15</u>		<u>1010</u>																								
<u>MW-17</u>		<u>0835</u>																								
<u>MW-18</u>		<u>0935</u>																								
<u>MW-23</u>		<u>0635</u>																								
<u>MW-28</u>		<u>0735</u>																								
<u>MW-30</u>		<u>0435</u>					<u>8</u>																			
<u>MW-31</u>		<u>0535</u>																								
<u>MW-37</u>		<u>0430</u>																								
(7) Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="checkbox"/> 5 day 72 hour 4 day EDF/EDD 24 hour				Relinquished by <u>[Signature]</u> Relinquished by		Date <u>9/12/16</u> Date		Time <u>1345</u> Time		Received by <u>[Signature]</u> Received by		Date <u>9/12/16</u> Date		Time <u>14:00</u> Time		(9)										
(8) Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other:		Relinquished by Commercial Carrier: <u>(3) UPS</u> UPS <input checked="" type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other				Received by <u>[Signature]</u> Received by		Date <u>9/13/16</u> Date		Time <u>1000</u> Time												
				Temperature Upon Receipt <u>6.4</u> °C 1.9 °C				Custody Seals Intact? <u>(Yes)</u> No																		

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

Issued by Dept. 40 Management

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

7051.03

Client: Chevron

6590

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 09/13/2016 10:00
 Number of Packages: 7 Number of Projects: 2
 State/Province of Origin: WA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Krista Abel (3058) at 11:52 on 09/13/2016

Samples Chilled Details: 6590

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	32170023	2.7	IR	Wet	Y	Bagged	N
2	DT146	0.6	DT	Wet	Y	Bagged	N
3	DT146	1.9	DT	Wet	Y	Bagged	N
4	DT146	1.5	DT	Wet	Y	Bagged	N
5	DT146	0.7	DT	Wet	Y	Bagged	N
6	DT146	0.5	DT	Wet	Y	Bagged	N
7	DT146	0.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: April 04, 2017

Project: 96590

Submittal Date: 03/21/2017

Group Number: 1778772

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
QA-T-170320 NA Water	8892495
MW-5-W-170320 Grab Groundwater	8892496
MW-5-W-170320 Filtered Grab Groundwater	8892497
MW-6-W-170320 Grab Groundwater	8892498
MW-6-W-170320 Filtered Grab Groundwater	8892499
MW-7-W-170320 Grab Groundwater	8892500
MW-7-W-170320 Filtered Grab Groundwater	8892501
MW-8-W-170320 Grab Groundwater	8892502
MW-8-W-170320 Filtered Grab Groundwater	8892503
MW-15-W-170320 Grab Groundwater	8892504
MW-15-W-170320 Filtered Grab Groundwater	8892505
MW-17-W-170320 Grab Groundwater	8892506
MW-17-W-170320 Filtered Grab Groundwater	8892507
MW-18-W-170320 Grab Groundwater	8892508
MW-18-W-170320 Filtered Grab Groundwater	8892509
MW-23-W-170320 Grab Groundwater	8892510
MW-23-W-170320 Filtered Grab Groundwater	8892511
MW-28-W-170320 Grab Groundwater	8892512
MW-28-W-170320 Filtered Grab Groundwater	8892513
MW-30-W-170320 Grab Groundwater	8892514
MW-30-W-170320 Filtered Grab Groundwater	8892515
MW-31-W-170320 Grab Groundwater	8892516
MW-31-W-170320 Filtered Grab Groundwater	8892517
MW-37-W-170320 Grab Groundwater	8892518
MW-37-W-170320 Filtered Grab Groundwater	8892519
DUP-WD-170320 Grab Groundwater	8892520

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-170320 NA Water
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892495
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F170832AA	03/24/2017 07:46	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170832AA	03/24/2017 07:46	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 15:45	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017 15:45	Jeremy C Giffin	1

Sample Description: MW-5-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892496
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:10 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	31	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	9.9	6.2	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 11:43	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 11:43	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 16:13	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017 16:13	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017 17:39	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017 21:10	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017 08:30	Nadia Bernabe	1

Sample Description: MW-5-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892496
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:10 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 04/04/2017 09:02

EWC05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017 08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	1	170821848003	03/29/2017 17:01	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170821848003	03/24/2017 06:40	Lisa J Cooke	1

Sample Description: MW-5-W-170320 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892497
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:10 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.2	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170821848003	03/29/2017 17:04	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170821848003	03/24/2017 06:40	Lisa J Cooke	1

Sample Description: MW-6-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892498
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	750	50	1
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	70	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	7.1	6.2	1
Wet Chemistry		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	293,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 12:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 12:08	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 16:41	Jeremy C Giffin	1

Sample Description: MW-6-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892498
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017	16:41	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	13:36	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017	18:00	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017	21:31	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017	03:58	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017	05:25	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17083004205A	03/25/2017	07:15	Nathan T Morgan	1

Sample Description: MW-6-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892499
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	2,080	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017 04:01	Matthew R Machtinger	1
07058	Manganese	SW-846 6010B	1	170831848004	03/28/2017 04:01	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017 05:25	James L Mertz	1

Sample Description: MW-7-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892500
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:55 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	5	10
10945	1,2-Dichloroethane	107-06-2	N.D.	5	10
10945	Ethylbenzene	100-41-4	N.D.	5	10
10945	Toluene	108-88-3	N.D.	5	10
10945	Xylene (Total)	1330-20-7	N.D.	5	10
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	17,000	1,000	20
GC Miscellaneous					
	RSKSOP-175 modified		ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	14,000	290	10
08271	Heavy Range Organics C24-C40	n.a.	2,000	670	10
GC Petroleum Hydrocarbons w/Si					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	11,000	140	5
12005	HRO C24-C40 w/Si Gel	n.a.	1,200	340	5
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
Metals					
	SW-846 6010B		ug/l	ug/l	
07055	Lead	7439-92-1	15.2	6.2	1
Wet Chemistry					
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	465,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 13:19	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 13:19	Daniel H Heller	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/29/2017 00:35	Jeremy C Giffin	20

Sample Description: MW-7-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892500
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:55 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/29/2017	00:35	Jeremy C Giffin	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	13:53	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/30/2017	09:12	Amy Lehr	10
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/31/2017	23:08	Amy Lehr	5
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017	04:11	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017	05:25	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17083004205A	03/25/2017	06:59	Nathan T Morgan	1

Sample Description: MW-7-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892501
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:55 by AW

Chevron

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Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	1,320	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017 04:14	Matthew R Machtinger	1
07058	Manganese	SW-846 6010B	1	170831848004	03/28/2017 04:14	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017 05:25	James L Mertz	1

Sample Description: MW-8-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892502
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 06:30 by AW

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Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	30.2	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	205,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 13:43	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 13:43	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 17:09	Jeremy C Giffin	1

Sample Description: MW-8-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892502
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 06:30 by AW

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Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017	17:09	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	14:11	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017	18:43	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017	22:14	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017	04:18	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017	05:25	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17083004205A	03/25/2017	07:30	Nathan T Morgan	1

Sample Description: MW-8-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892503
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 06:30 by AW

Chevron

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Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	63.3	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017 04:21	Matthew R Machtinger	1
07058	Manganese	SW-846 6010B	1	170831848004	03/28/2017 04:21	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017 05:25	James L Mertz	1

Sample Description: MW-15-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892504
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:15 by AW

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6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	81	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	160	29	1
08271	Heavy Range Organics C24-C40	n.a.	460	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	110	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	25.1	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	198,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 14:07	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 14:07	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 17:37	Jeremy C Giffin	1

Sample Description: MW-15-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892504
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017	17:37	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	14:28	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017	19:05	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017	22:36	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017	04:24	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017	05:25	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17081007105A	03/23/2017	13:13	Nathan T Morgan	1

Sample Description: MW-15-W-170320 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892505
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	4.9	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170831848004	03/28/2017 04:27	Matthew R Machtinger	1
07058	Manganese	SW-846 6010B	1	170831848004	03/28/2017 04:27	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848004	03/26/2017 05:25	James L Mertz	1

Sample Description: MW-17-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892506
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 09:30 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	48	5	10
10945	1,2-Dichloroethane	107-06-2	N.D.	5	10
10945	Ethylbenzene	100-41-4	1,500	5	10
10945	Toluene	108-88-3	860	5	10
10945	Xylene (Total)	1330-20-7	4,100	5	10
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	41,000	500	10
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	15	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	1,600	29	1
08271	Heavy Range Organics C24-C40	n.a.	410	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	310	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	19.2	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	404,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 14:32	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 14:32	Daniel H Heller	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/29/2017 01:03	Jeremy C Giffin	10

Sample Description: MW-17-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892506
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 09:30 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/29/2017	01:03	Jeremy C Giffin	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	14:46	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017	19:26	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/31/2017	23:30	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017	12:30	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017	05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017	22:00	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17081007105A	03/23/2017	13:05	Nathan T Morgan	1

Sample Description: MW-17-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892507
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 09:30 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	6.5	6.2	1
07058	Manganese	7439-96-5	1,890	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 12:34	Suzanne M Will	1
07058	Manganese	SW-846 6010B	2	170881848002	03/31/2017 12:34	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-18-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892508
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	0.7	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	95	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	480	29	1
08271	Heavy Range Organics C24-C40	n.a.	2,700	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	150	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	1,200	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	64.6	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	258,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 14:56	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 14:56	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085A53A	03/28/2017 18:04	Jeremy C Giffin	1

Sample Description: MW-18-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892508
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085A53A	03/28/2017	18:04	Jeremy C Giffin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017	15:03	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/24/2017	19:48	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/29/2017	00:23	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017	08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017	08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017	12:37	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017	05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017	22:00	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17081007105A	03/23/2017	12:09	Nathan T Morgan	1

Sample Description: MW-18-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892509
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	305	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 12:41	Suzanne M Will	1
07058	Manganese	SW-846 6010B	2	170881848002	03/31/2017 12:41	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-23-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892510
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:00 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	8.1	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	216,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 15:20	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 15:20	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085B20A	03/28/2017 00:38	Marie D Beamenderfer	1

Sample Description: MW-23-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892510
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:00 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085B20A	03/28/2017 00:38	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017 15:21	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/30/2017 08:29	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017 23:19	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017 08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017 08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 12:51	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17083004205A	03/25/2017 07:38	Nathan T Morgan	1

Sample Description: MW-23-W-170320 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892511
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:00 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	445	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 12:55	Suzanne M Will	1
07058	Manganese	SW-846 6010B	2	170881848002	03/31/2017 12:55	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-28-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892512
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	7.1	6.2	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	201,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 15:44	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 15:44	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085B20A	03/28/2017 01:05	Marie D Beamenderfer	1

Sample Description: MW-28-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892512
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17085B20A	03/28/2017 01:05	Marie D Beamenderfer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	170820002A	03/23/2017 15:39	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170820021A	03/30/2017 08:51	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170820022A	03/28/2017 23:40	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017 08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017 08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 12:59	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17081007106A	03/23/2017 13:58	Nathan T Morgan	1

Sample Description: MW-28-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892513
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved				ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1
07058	Manganese	7439-96-5	N.D.	1.8	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 13:02	Suzanne M Will	1
07058	Manganese	SW-846 6010B	2	170881848002	03/31/2017 13:02	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-30-W-170320 Grab Groundwater
Facility# 96590 **Job#** 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892514
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	160	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	96	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	16.4	6.2	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 16:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 16:08	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	17085B20A	03/28/2017 01:33	Marie D Beamenderfer	1
01146	GC VOA Water Prep	NWTPH-Gx					
		SW-846 5030B	1	17085B20A	03/28/2017 01:33	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602	1	170820021A	03/24/2017 17:17	Amy Lehr	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	170820022A	03/29/2017 00:02	Amy Lehr	1
		NWTPH-Dx modified					

Sample Description: MW-30-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892514
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:45 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 04/04/2017 09:02

EWC30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170820022A	03/24/2017 08:30	Nadia Bernabe	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170820021A	03/24/2017 08:30	Nadia Bernabe	1
07055	Lead	SW-846 6010B	2	170881848002	03/31/2017 13:06	Suzanne M Will	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170881848002	03/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-30-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892515
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.2	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	2	170891848002	03/31/2017 20:20	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170831848005	03/26/2017 05:36	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	170891848002	03/30/2017 22:30	Annamaria Kuhns	1

Sample Description: MW-31-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892516
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 16:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 16:32	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	17085B20A	03/28/2017 02:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	NWTPH-Gx SW-846 5030B	1	17085B20A	03/28/2017 02:00	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170830014A	03/27/2017 21:30	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	170830015A	03/28/2017 06:54	Thomas C Wildermuth	1

Sample Description: MW-31-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892516
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:45 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 04/04/2017 09:02

EWC31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170830015A	03/25/2017 07:30	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170830014A	03/25/2017 07:30	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	170841848001	04/01/2017 23:45	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170841848001	03/26/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-31-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892517
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:45 by AW

Chevron
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 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 04/04/2017 09:02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.2	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170841848001	04/01/2017 23:48	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170841848001	03/26/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-37-W-170320 Grab Groundwater
Facility# 96590 **Job#** 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892518
LL Group # 1778772
Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

EWC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	0.6	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.2	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 16:56	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 16:56	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	17085B20A	03/28/2017 02:28	Marie D Beamenderfer	1
01146	GC VOA Water Prep	NWTPH-Gx				Marie D Beamenderfer	
		SW-846 5030B	1	17085B20A	03/28/2017 02:28	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602	1	170830014A	03/27/2017 21:08	Amy Lehr	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	170830015A	03/28/2017 07:16	Thomas C Wildermuth	1
		NWTPH-Dx modified					

Sample Description: MW-37-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892518
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:15 by AW

Chevron
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 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 04/04/2017 09:02

EWC37

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	170830015A	03/25/2017 07:30	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170830014A	03/25/2017 07:30	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	170841848001	04/01/2017 23:57	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170841848001	03/26/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-37-W-170320 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892519
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 04/04/2017 09:02

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.2	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	170841848001	04/02/2017 00:00	Matthew R Machtinger	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170841848001	03/26/2017 22:00	Annamaria Kuhns	1

Sample Description: DUP-WD-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892520
 LL Group # 1778772
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 by AW

Chevron

6001 Bollinger Canyon Road
 L4310

Submitted: 03/21/2017 09:33

San Ramon CA 94583

Reported: 04/04/2017 09:02

EWCFD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	110	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	190	29	1
08271	Heavy Range Organics C24-C40	n.a.	450	67	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z170831AA	03/24/2017 17:20	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z170831AA	03/24/2017 17:20	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17085B20A	03/28/2017 02:55	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	17085B20A	03/28/2017 02:55	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	170830014A	03/27/2017 21:51	Amy Lehr	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	170830014A	03/25/2017 07:30	Karen L Beyer	1

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: F170832AA	Sample number(s): 8892495	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: Z170831AA	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514, 8892516, 8892518, 8892520	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17085A53A	Sample number(s): 8892495-8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 17085B20A	Sample number(s): 8892510, 8892512, 8892514, 8892516, 8892518, 8892520	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 170820002A	Sample number(s): 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512	
Methane	N.D.	3.0
Batch number: 170820021A	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 170830014A	Sample number(s): 8892516, 8892518, 8892520	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 170820022A	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 170830015A	Sample number(s): 8892516, 8892518	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 170821848003	Sample number(s): 8892496-8892497	
Lead	N.D.	6.2
Batch number: 170831848004	Sample number(s): 8892498-8892505	

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Method Blank (continued)

Analysis Name	Result	MDL
	ug/l	ug/l
Lead	N.D.	6.2
Manganese	N.D.	1.8
Batch number: 170841848001	Sample number(s): 8892516-8892519	
Lead	N.D.	6.2
Batch number: 170881848002	Sample number(s): 8892506-8892514	
Lead	N.D.	6.2
Manganese	N.D.	1.8
Batch number: 170891848002	Sample number(s): 8892515	
Lead	N.D.	6.2
	ug/l as CaCO3	ug/l as CaCO3
Batch number: 17081007105A	Sample number(s): 8892504, 8892506, 8892508	
Total Alkalinity to pH 4.5	N.D.	1,700
Batch number: 17081007106A	Sample number(s): 8892512	
Total Alkalinity to pH 4.5	1,700	1,700
Batch number: 17083004205A	Sample number(s): 8892498, 8892500, 8892502, 8892510	
Total Alkalinity to pH 4.5	N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F170832AA	Sample number(s): 8892495								
Benzene	20	18.17	20	18.78	91	94	78-120	3	30
Ethylbenzene	20	18.07	20	18.65	90	93	78-120	3	30
Toluene	20	18.45	20	19.15	92	96	80-120	4	30
Xylene (Total)	60	55.66	60	56.84	93	95	80-120	2	30
Batch number: Z170831AA	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514, 8892516, 8892518, 8892520								
Benzene	20	17.74			89		78-120		
1,2-Dichloroethane	20	18.88			94		66-128		
Ethylbenzene	20	18.31			92		78-120		
Toluene	20	18.28			91		80-120		
Xylene (Total)	60	57.33			96		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17085A53A	Sample number(s): 8892495-8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508								
NWTPH-Gx water C7-C12	1100	1022.82	1100	1027.22	93	93	79-120	0	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17085B20A NWTPH-Gx water C7-C12	Sample number(s): 8892510, 8892512, 8892514, 8892516, 8892518, 8892520								
	1100	1109.38	1100	1092.05	101	99	79-120	2	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170820002A Methane	Sample number(s): 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512								
	59.8	63.58	59.8	63.33	106	106	85-115	0	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170820021A Diesel Range Organics C12-C24	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514								
	1600	994.68	1600	1057.92	62	66	50-113	6	20
Batch number: 170830014A Diesel Range Organics C12-C24	Sample number(s): 8892516, 8892518, 8892520								
	1600	1099.06	1600	1063.96	69	66	50-113	3	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170820022A DRO C12-C24 w/Si Gel	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514								
	1600	873.13	1600	930.47	55	58	32-117	6	20
Batch number: 170830015A DRO C12-C24 w/Si Gel	Sample number(s): 8892516, 8892518								
	1600	1060.24	1600	937.99	66	59	32-117	12	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170821848003 Lead	Sample number(s): 8892496-8892497								
	150	162.42			108		80-120		
Batch number: 170831848004 Lead	Sample number(s): 8892498-8892505								
	150	158.2			105		80-120		
Manganese	500	544.85			109		80-120		
Batch number: 170841848001 Lead	Sample number(s): 8892516-8892519								
	150	148.23			99		80-120		
Batch number: 170881848002 Lead	Sample number(s): 8892506-8892514								
	150	157.52			105		80-120		
Manganese	500	508.34			102		80-120		
Batch number: 170891848002 Lead	Sample number(s): 8892515								
	150	156.61			104		80-120		
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17081007105A Total Alkalinity to pH 4.5	Sample number(s): 8892504, 8892506, 8892508								
	188000	181100			96		84-110		
Batch number: 17081007106A Total Alkalinity to pH 4.5	Sample number(s): 8892512								
	188000	177050			94		84-110		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l as CaCO3	LCS Conc ug/l as CaCO3	LCSD Spike Added ug/l as CaCO3	LCSD Conc ug/l as CaCO3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17083004205A	Sample number(s): 8892498, 8892500, 8892502, 8892510								
Total Alkalinity to pH 4.5	188000	189100			101		84-110		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Z170831AA	Sample number(s): 8892496, 8892498, 8892500, 8892502, 8892504, 8892506, 8892508, 8892510, 8892512, 8892514, 8892516, 8892518, 8892520 UNSPK: 8892498									
Benzene	N.D.	20	20.09	20	20.02	100	100	78-120	0	30
1,2-Dichloroethane	N.D.	20	20.23	20	20.1	101	100	66-128	1	30
Ethylbenzene	N.D.	20	20.01	20	20.53	100	103	78-120	3	30
Toluene	N.D.	20	19.66	20	19.96	98	100	80-120	2	30
Xylene (Total)	N.D.	60	61.57	60	62.42	103	104	80-120	1	30
Batch number: 170821848003	Sample number(s): 8892496-8892497 UNSPK: P890411									
Lead	6.77	150	165.5	150	168.31	106	108	75-125	2	20
Batch number: 170831848004	Sample number(s): 8892498-8892505 UNSPK: P890984									
Lead	N.D.	150	162.75	150	157.6	109	105	75-125	3	20
Manganese	104.54	500	643.84	500	634.07	108	106	75-125	2	20
Batch number: 170841848001	Sample number(s): 8892516-8892519 UNSPK: P894852									
Lead	N.D.	150	145.59	150	147.3	97	98	75-125	1	20
Batch number: 170881848002	Sample number(s): 8892506-8892514 UNSPK: P891000									
Lead	6.49	150	161.37	150	156.85	103	100	75-125	3	20
Manganese	116.6	500	634.67	500	612.89	104	99	75-125	3	20
Batch number: 170891848002	Sample number(s): 8892515 UNSPK: P909202									
Lead	N.D.	150	152.81	150	154.54	102	103	75-125	1	20
Batch number: 17081007105A	Sample number(s): 8892504, 8892506, 8892508 UNSPK: P890278									
Total Alkalinity to pH 4.5	7340	188000	181730			93		10-148		
Batch number: 17081007106A	Sample number(s): 8892512 UNSPK: 8892512									
Total Alkalinity to pH 4.5	201090	188000	247600			25		10-148		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked	MS Spike	MS	MSD Spike	MSD	MS	MSD	MS/MSD	RPD	RPD
	Conc	Added	Conc	Added	Conc	%Rec	%Rec	Limits		Max
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17083004205A	Sample number(s): 8892498, 8892500, 8892502, 8892510 UNSPK: P892886									
Total Alkalinity to pH 4.5	31520	188000	209990			95		10-148		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	ug/l	ug/l		
Batch number: 170821848003	Sample number(s): 8892496-8892497 BKG: P890411			
Lead	6.77	6.60	3 (1)	20
Batch number: 170831848004	Sample number(s): 8892498-8892505 BKG: P890984			
Lead	N.D.	N.D.	0 (1)	20
Manganese	104.54	106	1	20
Batch number: 170841848001	Sample number(s): 8892516-8892519 BKG: P894852			
Lead	N.D.	N.D.	0 (1)	20
Batch number: 170881848002	Sample number(s): 8892506-8892514 BKG: P891000			
Lead	6.49	7.10	9 (1)	20
Manganese	116.6	117.19	1	20
Batch number: 170891848002	Sample number(s): 8892515 BKG: P909202			
Lead	N.D.	N.D.	0 (1)	20
	ug/l as CaCO3	ug/l as CaCO3		
Batch number: 17081007105A	Sample number(s): 8892504, 8892506, 8892508 BKG: P890278			
Total Alkalinity to pH 4.5	7340	7480	2 (1)	5
Batch number: 17081007106A	Sample number(s): 8892512 BKG: 8892512			
Total Alkalinity to pH 4.5	201090	203580	1	5
Batch number: 17083004205A	Sample number(s): 8892498, 8892500, 8892502, 8892510 BKG: P892886			
Total Alkalinity to pH 4.5	31520	29460	7*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX 8260B Water
Batch number: F170832AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8892495	101	102	99	92
Blank	102	100	99	92
LCS	100	102	101	99
LCSD	99	101	99	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/EDC
Batch number: Z170831AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8892496	110	99	99	96
8892498	105	96	101	102
8892500	103	96	101	101
8892502	106	100	100	97
8892504	106	100	98	97
8892506	105	97	101	101
8892508	107	98	98	98
8892510	108	98	98	95
8892512	108	98	99	96
8892514	108	100	99	95
8892516	109	99	100	95
8892518	108	97	99	96
8892520	109	95	99	95
Blank	107	99	99	95
LCS	104	97	100	103
MS	103	98	101	101
MSD	102	95	101	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17085A53A

	Trifluorotoluene-F
8892495	118
8892496	99
8892498	101
8892500	98
8892502	98
8892504	96
8892506	117
8892508	98
Blank	122
LCS	104
LCSD	103

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17085A53A

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17085B20A

Trifluorotoluene-F	
8892510	86
8892512	88
8892514	92
8892516	81
8892518	89
8892520	92
Blank	90
LCS	95
LCSD	99

Limits: 63-135

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 170820002A

Propene	
8892498	82
8892500	78
8892502	83
8892504	91
8892506	84
8892508	86
8892510	84
8892512	85
Blank	101
LCS	100
LCSD	101

Limits: 44-123

Analysis Name: NWTPH-Dx water
Batch number: 170820021A

Orthoterphenyl	
8892496	69
8892498	77
8892500	66
8892502	78
8892504	65
8892506	84
8892508	78
8892510	86

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water
Batch number: 170820021A

Orthoterphenyl	
8892512	82
8892514	80
Blank	74
LCS	79
LCSD	82

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 170820022A

Orthoterphenyl	
8892496	57
8892498	68
8892500	80
8892502	69
8892504	53
8892506	81
8892508	54
8892510	68
8892512	50
8892514	76
Blank	66
LCS	70
LCSD	74

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 170830014A

Orthoterphenyl	
8892516	87
8892518	78
8892520	79
Blank	77
LCS	89
LCSD	85

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 170830015A

Orthoterphenyl	
8892516	73
8892518	89
Blank	72

*- Outside of specification

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Quality Control Summary

Client Name: Chevron
Reported: 04/04/2017 09:02

Group Number: 1778772

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 170830015A

	Orthoterphenyl
LCS	91
LCSD	80
Limits:	50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only
 Group # 1178712 Sample # 8842495-520
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested											6 Remarks			
Facility # SS#9-6590-OML G-R#17156610 WBS			<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input checked="" type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Air			Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input checked="" type="checkbox"/> EDC (8260) <input checked="" type="checkbox"/> METHANE (RSTOP-173M) NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/>											SCR #:			
Site Address 232 East Woodin Avenue, CHELAN, WA						Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <input checked="" type="checkbox"/> 6010B DISSOLVED MANGANESE (6010B) NITRATE/SULFATE (EPA 300.0) LEAD (6010B) ALKALINITY (2320 B-191)											<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ____ oxy's on highest hit <input type="checkbox"/> Run ____ oxy's on all hits			
Chevron EM LEIDOSRS Lead Consultant Russell Shropshire																				
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588																				
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)																				
Consultant Phone # (925) 551-7444 x180																				
Sampler Alex W. Gilbert m																				
2 Sample Identification		Collected		3 Grab	Composite															
Date	Time																			
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by		Date		Time		Relinquished by		Date		Time		9				
Standard <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input checked="" type="checkbox"/> EDF/EDD <input type="checkbox"/> 24 hour 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/>				<i>[Signature]</i>		170320		14:00		<i>[Signature]</i>		3/20/17		14:00						
8 Data Package (circle if required)				Relinquished by Commercial Carrier:		Date		Time		Relinquished by		Date		Time						
Type I - Full <input type="checkbox"/> EDD (circle if required) CVX-RTBU-FL_05 (default) Type VI (Raw Data) <input type="checkbox"/> Other: _____				UPS _____ FedEx _____ Other _____						<i>[Signature]</i>		3/21/17		9:33						
				Temperature Upon Receipt <u>0.6-1.1 °C</u>						Custody Seals Intact?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
 The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client. Issued by Dept. 40 Management 7051.03



Client: Chevron

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 03/21/2017 9:33
 Number of Packages: 6 Number of Projects: 5

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	Yes		
Extra Samples:	Yes		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Nia Smith (12375) at 13:03 on 03/21/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.1	DT	Wet	Y	Bagged	N
2	DT146	0.6	DT	Wet	Y	Bagged	N
3	DT146	0.6	DT	Wet	Y	Bagged	N
4	DT146	1.0	DT	Wet	Y	Bagged	N
5	DT146	0.7	DT	Wet	Y	Bagged	N
6	DT146	0.7	DT	Wet	Y	Bagged	N

Missing Sample Details

Sample ID on COC Comments
 QA

Extra Sample Details

Sample ID on Label Number of Extra Containers Date on Label Comments
 DUP 2 3/20/2000 -- Bottle code 29



Client: Chevron

Container Quantity Discrepancy Details

<u>Sample ID on COC</u>	<u>Container Qty. Received</u>	<u>Container Qty. on COC</u>	<u>Comments</u>
MW-5	2	10	
MW-6	2	14	
MW-7	4	14	
MW-8	2	14	
MW-15	5	14	
MW-17	5	14	
MW-18	5	14	
MW-23	5	14	
MW-28	5	14	
MW-30	4	10	
MW-31	4	10	
MW-37	2	10	



Client: Chevron

Delivery and Receipt Information

Delivery Method:	<u>SeaTac</u>	Arrival Timestamp:	<u>03/22/2017 10:00</u>
Number of Packages:	<u>5</u>	Number of Projects:	<u>6</u>

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (\geq 6mm):	MW-6 (1)
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCI
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Nia Smith (12375) at 18:54 on 03/22/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.7	DT	Wet	Y	Bagged	N
2	DT146	0.8	DT	Wet	Y	Bagged	N
3	32170023	0.5	IR	Wet	Y	Bagged	N
4	DT146	0.5	DT	Wet	Y	Bagged	N
5	DT146	1.0	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: March 31, 2017

Project: 96590

Submittal Date: 03/21/2017

Group Number: 1778776

PO Number: 0015194335

Release Number: HETRICK

State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
MW-6-W-170320 Grab Groundwater	8892524
MW-7-W-170320 Grab Groundwater	8892525
MW-8-W-170320 Grab Groundwater	8892526
MW-15-W-170320 Grab Groundwater	8892527
MW-17-W-170320 Grab Groundwater	8892528
MW-18-W-170320 Grab Groundwater	8892529
MW-23-W-170320 Grab Groundwater	8892530
MW-28-W-170320 Grab Groundwater	8892531
MW-5-W-170320 Grab Groundwater	8892532
MW-30-W-170320 Grab Groundwater	8892533
MW-31-W-170320 Grab Groundwater	8892534
MW-37-W-170320 Grab Groundwater	8892535

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-6-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892524
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0006

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	13,400	250	5
00228	Sulfate	14808-79-8	27,100	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	16	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/28/2017 22:56	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 01:38	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 01:38	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-7-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892525
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:55 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0007

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry					
		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	15,700	250	5
This sample was originally analyzed within the 48 hour holding time for nitrate nitrogen, however the value exceeded the calibration range. The analysis was repeated at a greater dilution outside of the holding time on 3/22/2017 at 22:50. The result of the second trial is 14,700 ug/l.					
00228	Sulfate	14808-79-8	72,400	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/28/2017 23:12	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	2	17080987171A	03/22/2017 01:52	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 01:52	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-8-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892526
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 06:30 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0008

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,000	250	5
00228	Sulfate	14808-79-8	33,600	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/28/2017 23:27	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 02:07	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 02:07	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-15-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892527
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:15 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0015

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	10,900	250	5
00228	Sulfate	14808-79-8	31,100	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/28/2017 23:43	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 02:21	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 02:21	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-17-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892528
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 09:30 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	0.73	0.096	10
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	1,600	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	2,500	150	10

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 15:26	Heather M Miller	10
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 03:05	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 03:05	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	10

Sample Description: MW-18-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892529
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 10:45 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0018

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	13,300	250	5
00228	Sulfate	14808-79-8	27,500	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 00:14	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 03:20	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 03:20	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-23-W-170320 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892530
LL Group # 1778776
Account # 11260

Project Name: 96590

Collected: 03/20/2017 07:00 by AW

Chevron

6001 Bollinger Canyon Road

Submitted: 03/21/2017 09:33

L4310

Reported: 03/31/2017 11:36

San Ramon CA 94583

W0023

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	3,600	250	5
00228	Sulfate	14808-79-8	15,800	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 01:00	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 03:34	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 03:34	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-28-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892531
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 08:15 by AW Chevron
 Submitted: 03/21/2017 09:33 6001 Bollinger Canyon Road
 Reported: 03/31/2017 11:36 L4310
 San Ramon CA 94583

W0028

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry					
		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	24,500	250	5
This sample was originally analyzed within the 48 hour holding time for nitrate nitrogen, however the value exceeded the calibration range. The analysis was repeated at a greater dilution outside of the holding time on 3/24/17. The result of the second trial is 26,700 ug/l.					
00228	Sulfate	14808-79-8	33,100	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 01:16	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1
00368	Nitrate Nitrogen	EPA 300.0	1	17080987171A	03/22/2017 03:49	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17080987171A	03/22/2017 03:49	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17085834401A	03/26/2017 05:50	Daniel S Smith	1

Sample Description: MW-5-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892532
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:10 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 03/31/2017 11:36

W0005

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 01:32	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-30-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892533
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:45 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 03/31/2017 11:36

W0030

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0099	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 01:47	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-31-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892534
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 05:45 by AW Chevron
 Submitted: 03/21/2017 09:33 6001 Bollinger Canyon Road
 Reported: 03/31/2017 11:36 L4310
 San Ramon CA 94583

W0031

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1

Sample Comments

State of Washington Lab Certification No. C457
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 02:02	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-37-W-170320 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 8892535
 LL Group # 1778776
 Account # 11260

Project Name: 96590

Collected: 03/20/2017 04:15 by AW

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 03/21/2017 09:33

Reported: 03/31/2017 11:36

W0037

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	170840013A	03/29/2017 02:18	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	170840013A	03/27/2017 08:00	Kayla A Yuditsky	1

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2017 11:36

Group Number: 1778776

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 170840013A	Sample number(s): 8892524-8892535	
Ethylene dibromide	N.D.	0.010
Batch number: 17080987171A	Sample number(s): 8892524-8892531	
Nitrate Nitrogen	N.D.	50
Sulfate	N.D.	300
Batch number: 17085834401A	Sample number(s): 8892524-8892531	
Ferrous Iron	N.D.	15

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170840013A	Sample number(s): 8892524-8892535								
Ethylene dibromide	0.128	0.114	0.128	0.110	89	86	60-140	4	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17080987171A	Sample number(s): 8892524-8892531								
Nitrate Nitrogen	750	723.68			96		90-110		
Sulfate	7500	7322.13			98		90-110		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17085834401A	Sample number(s): 8892524-8892531								
Ferrous Iron	400	385.54			96		93-105		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 17080987171A	Sample number(s): 8892524-8892531 UNSPK: P892929									

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2017 11:36

Group Number: 1778776

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Nitrate Nitrogen	2310.27	2500	4863.32			102		90-110		
Sulfate	1958.63	25000	26155.34			97		90-110		
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 17085834401A	Sample number(s): 8892524-8892531 UNSPK: 8892528									
Ferrous Iron	2473.81	4000	6238.17	4000	6178.1	94	93	93-105	1	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 17080987171A	Sample number(s): 8892524-8892531 BKG: P892929			
Nitrate Nitrogen	2310.27	2287.52	1 (1)	15
Sulfate	1958.63	1919.03	2 (1)	15
	ug/l	ug/l		
Batch number: 17085834401A	Sample number(s): 8892524-8892531 BKG: 8892528			
Ferrous Iron	2473.81	2343.66	5 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EDB by 8011
Batch number: 170840013A

1,1,2,2-Tetrachloroethane	
8892524	81
8892525	79
8892526	85
8892527	83
8892528	114
8892529	86
8892530	80
8892531	85
8892532	93
8892533	85
8892534	89

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/31/2017 11:36

Group Number: 1778776

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EDB by 8011
Batch number: 170840013A

	1,1,2,2-Tetrachloroethane
8892535	94
Blank	78
LCS	79
LCSD	80

Limits: 46-136

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1778776 Sample # 8892524-35
 Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested						6 Remarks	
Facility # <u>SS#9-6590-OML G-R#17156610</u> WBS Site Address <u>232 East Woodin Avenue, CHELAN, WA</u> Chevron PM <u>EH</u> LEIDOSRS Lead Consultant <u>Russell Shropshire</u> Consultant/Office <u>Gettier-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588</u> Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com)</u> Consultant Phone # <u>(925) 551-7444 x180</u> Sampler <u>Alex W., Gilbert M</u>			Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>			Total Number of Containers <u>5</u> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/> <u>Ferrous IRON (SM 20 3500 Fe-B 1197)</u> <u>EDB (8011)</u> <u>NITRATE/SULFATE (EPA 300.0)</u>						SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
2 Sample Identification			3 Composite										
		Collected											
		Date	Time	Grab	Composite								
		<u>MW-6</u>	<u>170320</u>	<u>0745</u>	<u>X</u>							DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.	
		<u>MW-7</u>	<u> </u>	<u>0855</u>	<u> </u>								
		<u>MW-8</u>	<u> </u>	<u>0630</u>	<u> </u>								
		<u>MW-15</u>	<u> </u>	<u>1015</u>	<u> </u>								
		<u>MW-17</u>	<u> </u>	<u>0930</u>	<u> </u>								
		<u>MW-18</u>	<u> </u>	<u>1045</u>	<u> </u>								
		<u>MW-23</u>	<u> </u>	<u>0700</u>	<u> </u>								
		<u>MW-28</u>	<u> </u>	<u>0815</u>	<u> </u>								
		<u>MW-5</u>	<u> </u>	<u>0510</u>	<u> </u>								
		<u>MW-30</u>	<u> </u>	<u>0445</u>	<u> </u>								
		<u>MW-31</u>	<u> </u>	<u>0545</u>	<u> </u>								
		<u>MW-37</u>	<u> </u>	<u>0415</u>	<u> </u>								
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by _____			Date <u>170320</u>		Time _____		Received by <u>[Signature]</u>		Date <u>3/20/17</u>	Time <u>14:00</u>
Standard <input type="checkbox"/> 5 day 4 day <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/>													
8 Data Package (circle if required)			Relinquished by Commercial Carrier: _____			Date _____		Time _____		Received by _____		Date _____	Time _____
Type I - Full <input type="checkbox"/> Type VI (Raw Data) <input type="checkbox"/>			EDD (circle if required) <input type="checkbox"/> CVX-RTBU-FL_05 (default) <input type="checkbox"/> Other: _____			UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other <input type="checkbox"/>							
			Temperature Upon Receipt <u>0.4</u> °C			Custody Seals Intact?		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					



Client: CHEVRON NORTHWEST REGION

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 03/21/2017 9:33
 Number of Packages: 1 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Evelyn Shank (12390) at 10:47 on 03/21/2017

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT121	0.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: August 14, 2017

Project: 96590

Account #: 11260
Group Number: 1815865
PO Number: 0015252700
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
MW-5-W-170620 Grab Groundwater	06/20/2017 05:50	9059917
MW-6-W-170620 Grab Groundwater	06/20/2017 07:05	9059918
MW-7-W-170620 Grab Groundwater	06/20/2017 09:25	9059919
MW-8-W-170620 Grab Groundwater	06/20/2017 08:15	9059920
MW-15-W-170620 Grab Groundwater	06/20/2017 10:55	9059921
MW-30-W-170620 Grab Groundwater	06/20/2017 02:35	9059922
MW-31-W-170620 Grab Groundwater	06/20/2017 03:40	9059923
MW-37-W-170620 Grab Groundwater	06/20/2017 04:45	9059924

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: MW-5-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059917
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 05:50 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/21/2017 09:15

Reported: 08/14/2017 10:05

WACM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 04:35	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1

Sample Description: MW-6-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059918
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 07:05 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 06/21/2017 09:15

Reported: 08/14/2017 10:05

San Ramon CA 94583

WACM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	11,900	250	5
00228	Sulfate	14808-79-8	23,800	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	47	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 04:51	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1
00368	Nitrate Nitrogen	EPA 300.0	1	17172987113A	06/21/2017 19:14	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17172987113A	06/21/2017 19:14	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-7-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059919
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 09:25 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 06/21/2017 09:15

San Ramon CA 94583

Reported: 08/14/2017 10:05

WACM7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	16,100	500	10
00228	Sulfate	14808-79-8	59,600	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 05:38	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1
00368	Nitrate Nitrogen	EPA 300.0	1	17172987113A	06/22/2017 04:12	Clinton M Wilson	10
00228	Sulfate	EPA 300.0	1	17172987113A	06/21/2017 19:31	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-8-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059920
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 08:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/21/2017 09:15

L4310

Reported: 08/14/2017 10:05

San Ramon CA 94583

WACM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0095	1
Wet Chemistry					
		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	13,200	250	5
00228	Sulfate	14808-79-8	34,800	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 05:53	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1
00368	Nitrate Nitrogen	EPA 300.0	1	17172987113A	06/21/2017 19:49	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17172987113A	06/21/2017 19:49	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-15-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059921
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 10:55 by GM

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 06/21/2017 09:15

San Ramon CA 94583

Reported: 08/14/2017 10:05

WAC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,000	250	5
00228	Sulfate	14808-79-8	29,500	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 06:09	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1
00368	Nitrate Nitrogen	EPA 300.0	1	17172987113A	06/21/2017 20:06	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	17172987113A	06/21/2017 20:06	Clinton M Wilson	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-30-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059922
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 02:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/21/2017 09:15

L4310

Reported: 08/14/2017 10:05

San Ramon CA 94583

WAC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 06:24	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1

Sample Description: MW-31-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059923
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 03:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/21/2017 09:15

L4310

Reported: 08/14/2017 10:05

San Ramon CA 94583

WAC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 06:40	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1

Sample Description: MW-37-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

ELLE Sample # WW 9059924
ELLE Group # 1815865
Account # 11260

Project Name: 96590

Collected: 06/20/2017 04:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/21/2017 09:15

L4310

Reported: 08/14/2017 10:05

San Ramon CA 94583

WAC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0098	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740019A	06/29/2017 06:55	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740019A	06/25/2017 14:10	Shawn J McMullen	1

Quality Control Summary

Client Name: Chevron
Reported: 08/14/2017 10:05

Group Number: 1815865

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 171740019A	Sample number(s): 9059917-9059924	
Ethylene dibromide	N.D.	0.010
Batch number: 17172987113A	Sample number(s): 9059918-9059921	
Nitrate Nitrogen	N.D.	50
Sulfate	N.D.	300
Batch number: 17177834401A	Sample number(s): 9059918-9059921	
Ferrous Iron	N.D.	15

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171740019A	Sample number(s): 9059917-9059924								
Ethylene dibromide	0.128	0.123	0.128	0.116	96	91	60-140	6	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17172987113A	Sample number(s): 9059918-9059921								
Nitrate Nitrogen	750	760.38			101		90-110		
Sulfate	7500	7232.52			96		90-110		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17177834401A	Sample number(s): 9059918-9059921								
Ferrous Iron	400	405.3			101		93-105		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 171740019A	Sample number(s): 9059917-9059924 UNSPK: P058728									

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 08/14/2017 10:05

Group Number: 1815865

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Ethylene dibromide	N.D.	0.124	0.115			93		60-140		
Batch number: 17172987113A	Sample number(s): 9059918-9059921 UNSPK: P059891									
Nitrate Nitrogen	N.D.	2500	2679.03			107		90-110		
Sulfate	80990.71	50000	141394.66			121*		90-110		
Batch number: 17177834401A	Sample number(s): 9059918-9059921 UNSPK: P060329									
Ferrous Iron	11120.67	20000	29409.11	20000	29908.8	91*	94	93-105	2	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 171740019A	Sample number(s): 9059917-9059924 BKG: P058729			
Ethylene dibromide	N.D.	N.D.	0 (1)	30
Batch number: 17172987113A	Sample number(s): 9059918-9059921 BKG: P059891			
Nitrate Nitrogen	N.D.	532.29	200* (1)	15
Sulfate	80990.71	80996.19	0	15
Batch number: 17177834401A	Sample number(s): 9059918-9059921 BKG: P060329			
Ferrous Iron	11120.67	11120.67	0 (1)	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: EDB by 8011
Batch number: 171740019A

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 08/14/2017 10:05

Group Number: 1815865

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: EDB by 8011
Batch number: 171740019A

	1,1,2,2-Tetrachloroethane
9059917	89
9059918	88
9059919	86
9059920	85
9059921	94
9059922	90
9059923	83
9059924	85
Blank	90
DUP	91
LCS	94
LCSD	88
MS	93

Limits: 46-136

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1815865 Sample # 9059917-24

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks													
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Grincer-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler GILBERT MEDINA				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method EDB (8011) FERrous I RON (SM20 3500 Fe-B 117) NITRATE/SULFATE (EPA 300.0)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits													
2 Sample Identification		Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.						
MW-5		170620 0550		X			3		2																						
MW-6		↓ 0705		↓			↓		↓																						
MW-7		↓ 0925		↓			↓		↓																						
MW-8		↓ 0815		↓			↓		↓																						
MW-15		↓ 1055		↓			↓		↓																						
MW-30		↓ 0235		↓			↓		↓																						
MW-31		↓ 0340		↓			↓		↓																						
MW-37		↓ 0445		↓			↓		↓																						
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by				Date <u>6/20/17</u>		Time _____		Received by _____				Date _____		Time _____													
<input checked="" type="radio"/> Standard 5 day <input type="radio"/> 72 hour <input type="radio"/> 48 hour <input type="radio"/> 4 day EDF/EDD <input type="radio"/> 24 hour				Relinquished by _____				Date _____		Time _____		Received by _____				Date _____		Time _____													
8 Data Package (circle if required)		EDD (circle if required)		Relinquished by Commercial Carrier:				Received by _____				Date <u>6/21/17</u>		Time <u>9:15</u>																	
Type I - Full		CVX-RTBU-FL_05 (default)		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____				Temperature Upon Receipt <u>1.1</u> °C				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																			
Type VI (Raw Data)		Other: _____																													



Client: CHEVRON NORTHWEST

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>06/21/2017 9:15</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wendy Wakeley (1669) at 09:43 on 06/21/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	1.1	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: July 05, 2017

Project: 96590

Submittal Date: 06/22/2017
Group Number: 1816523
PO Number: 0015194335
Release Number: HETRICK
State of Sample Origin: WA

Client Sample Description

MW-17-W-170621 Grab Groundwater
MW-18-W-170621 Grab Groundwater
MW-23-W-170621 Grab Groundwater
MW-28-W-170621 Grab Groundwater

Lancaster Labs

(LL) #

9062819
9062820
9062821
9062822

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-17-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

LL Sample # WW 9062819
LL Group # 1816523
Account # 11260

Project Name: 96590

Collected: 06/21/2017 03:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/22/2017 09:25

L4310

Reported: 07/05/2017 16:15

San Ramon CA 94583

WAC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction			SW-846 8011	ug/l	
10398	Ethylene dibromide	106-93-4	1.3	0.097	10
Wet Chemistry			EPA 300.0	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	N.D.	1,500	5
			SM 3500-Fe B 1997	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740040A	06/29/2017 07:11	Heather M Miller	10
07786	EDB Extraction (8011)	SW-846 8011	1	171740040A	06/24/2017 17:30	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	2	17173972217A	06/22/2017 17:11	Alexandria M Lanager	5
00228	Sulfate	EPA 300.0	1	17173972217A	06/22/2017 17:11	Alexandria M Lanager	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-18-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

LL Sample # WW 9062820
LL Group # 1816523
Account # 11260

Project Name: 96590

Collected: 06/21/2017 04:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/22/2017 09:25

L4310

Reported: 07/05/2017 16:15

San Ramon CA 94583

WAC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	15,100	250	5
Sample was originally analyzed within the 48 hour holding time, however the result exceeded the calibration range and a bracketing continuing calibration verification standard (CCV) was outside of the 90-110% acceptance window with a recovery of 191%. Sample was reanalyzed past hold on 06/23/2017 with a result of 14700 ug/l.					
00228	Sulfate	14808-79-8	26,900	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740040A	06/26/2017 01:53	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740040A	06/24/2017 17:30	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	3	17173972217A	06/22/2017 18:01	Alexandria M Lanager	5
00228	Sulfate	EPA 300.0	1	17173972217A	06/22/2017 18:01	Alexandria M Lanager	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-23-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

LL Sample # WW 9062821
LL Group # 1816523
Account # 11260

Project Name: 96590

Collected: 06/21/2017 07:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/22/2017 09:25

L4310

Reported: 07/05/2017 16:15

San Ramon CA 94583

WAC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0097	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	3,800	250	5
Sample was originally analyzed within the 48 hour holding time, however bracketing continuing calibration verification standards (CCV) was outside of the 90-110% acceptance window with a recovery of 191%. Sample was reanalyzed past hold on 06/23/2017 with a result of 3800 ug/l.					
00228	Sulfate	14808-79-8	15,300	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740040A	06/26/2017 02:24	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740040A	06/24/2017 17:30	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	2	17173972217A	06/22/2017 18:18	Alexandria M Lanager	5
00228	Sulfate	EPA 300.0	1	17173972217A	06/22/2017 18:18	Alexandria M Lanager	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Sample Description: MW-28-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 Woodin Ave - Chelan, WA

LL Sample # WW 9062822
LL Group # 1816523
Account # 11260

Project Name: 96590

Collected: 06/21/2017 05:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/22/2017 09:25

L4310

Reported: 07/05/2017 16:15

San Ramon CA 94583

WAC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction		SW-846 8011	ug/l	ug/l	
10398	Ethylene dibromide	106-93-4	N.D.	0.0096	1
Wet Chemistry		EPA 300.0	ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	19,000	250	5
Sample was originally analyzed within the 48 hour holding time, however the result exceeded the calibration range and a bracketing continuing calibration verification standard (CCV) was outside of the 90-110% acceptance window with a recovery of 191%. Sample was reanalyzed past hold on 06/23/2017 with a result of 18400 ug/l.					
00228	Sulfate	14808-79-8	24,300	1,500	5
		SM 3500-Fe B 1997	ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB by 8011	SW-846 8011	1	171740040A	06/26/2017 02:39	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	171740040A	06/24/2017 17:30	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	3	17173972217A	06/22/2017 18:35	Alexandria M Lanager	5
00228	Sulfate	EPA 300.0	1	17173972217A	06/22/2017 18:35	Alexandria M Lanager	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17177834401A	06/26/2017 22:10	Daniel S Smith	1

Quality Control Summary

Client Name: Chevron
Reported: 07/05/2017 16:15

Group Number: 1816523

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 171740040A	Sample number(s): 9062819-9062822	
Ethylene dibromide	N.D.	0.010
Batch number: 17173972217A	Sample number(s): 9062819-9062822	
Nitrate Nitrogen	N.D.	50
Sulfate	N.D.	300
Batch number: 17177834401A	Sample number(s): 9062819-9062822	
Ferrous Iron	N.D.	15

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171740040A	Sample number(s): 9062819-9062822								
Ethylene dibromide	0.128	0.139	0.128	0.130	109	102	60-140	7	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17173972217A	Sample number(s): 9062819-9062822								
Nitrate Nitrogen	750	770.6			103		90-110		
Sulfate	7500	7448.55			99		90-110		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17177834401A	Sample number(s): 9062819-9062822								
Ferrous Iron	400	405.3			101		93-105		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 171740040A	Sample number(s): 9062819-9062822 UNSPK: 9062820									

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/05/2017 16:15

Group Number: 1816523

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Ethylene dibromide	N.D.	0.147	0.181			123		60-140		
Batch number: 17173972217A	Sample number(s): 9062819-9062822 UNSPK: 9062819									
Nitrate Nitrogen	N.D.	2500	2585.77			103		90-110		
Sulfate	N.D.	25000	25646.45			103		90-110		
Batch number: 17177834401A	Sample number(s): 9062819-9062822 UNSPK: P060329									
Ferrous Iron	11120.67	20000	29409.11	20000	29908.8	91*	94	93-105	2	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 171740040A	Sample number(s): 9062819-9062822 BKG: 9062822			
Ethylene dibromide	N.D.	N.D.	0 (1)	30
Batch number: 17173972217A	Sample number(s): 9062819-9062822 BKG: 9062819			
Nitrate Nitrogen	N.D.	N.D.	0 (1)	15
Sulfate	N.D.	N.D.	0 (1)	15
Batch number: 17177834401A	Sample number(s): 9062819-9062822 BKG: P060329			
Ferrous Iron	11120.67	11120.67	0 (1)	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EDB by 8011
Batch number: 171740040A

1,1,2,2-Tetrachloroethane	
9062819	95
9062820	98

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/05/2017 16:15

Group Number: 1816523

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EDB by 8011
Batch number: 171740040A

	1,1,2,2-Tetrachloroethane
9062821	99
9062822	111
Blank	68
DUP	99
LCS	102
LCSD	90
MS	100

Limits: 46-136

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



**Lancaster
Laboratories**

Acct. # 11260

For Eurofins Lancaster Laboratories use only.
Group # 1810525 Sample # 9062819-22
Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks	
Facility # <u>SS#9-6590-OML G-R#17156610</u> WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil Total Number of Containers: <u>5</u>			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <u>EDB (8011)</u> <u>NITRATE/SULFATE (EPA 3000)</u> <u>FERRIC IRON (SM20 3500 Fe-B-197)</u>										SCR #: _____	
Site Address: <u>232 East Woodin Avenue, CHELAN, WA</u>						Chevron PM: <u>ER</u> LEIDOSRS Lead Consultant: <u>Russell Shropshire</u>		<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits									
Consultant/Office: <u>Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>						Consultant Project Mgr.: <u>Deanna L. Harding, (deanna@grinc.com)</u>											
Consultant Phone #: <u>(925) 551-7444 x180</u>						Sampler: <u>G MEDINA</u>											
Sample Identification						Collected											
			Date		Time		Grab		Composite								
<u>MN-17</u> <u>18</u> <u>23</u> <u>28</u>			<u>170621</u> <u>0315</u> <u>0425</u> <u>0740</u> <u>0545</u>		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
7 Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> Standard 5 day <input type="radio"/> 4 day EDF/EDD <input type="radio"/> 72 hour 48 hour 24 hour			Relinquished by: <u>[Signature]</u> Date: <u>6/21/17</u>			Received by: _____ Date: _____ Time: _____			Relinquished by: _____ Date: _____ Time: _____			Received by: _____ Date: _____ Time: _____					
8 Data Package (circle if required) <input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)			<input type="radio"/> EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____			Relinquished by Commercial Carrier: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other _____			Received by: <u>[Signature]</u> Date: <u>6/21/17</u> Time: <u>9:20</u>			Temperature Upon Receipt: <u>12</u> °C Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					



Client: CHEVRON

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>06/22/2017 9:25</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>WA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wendy Wakeley (1669) at 09:42 on 06/22/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	1.2	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: July 13, 2017

Project: 96590

Submittal Date: 06/24/2017
Group Number: 1817681
PO Number: 0015194335
Release Number: ROEHL
State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
QA-T-170620 NA Water	9068522
MW-5-W-170620 Grab Groundwater	9068523
MW-5-W-170620 Filtered Grab Groundwater	9068524
MW-6-W-170620 Grab Groundwater	9068525
MW-6-W-170620 Filtered Grab Groundwater	9068526
MW-7-W-170620 Grab Groundwater	9068527
MW-7-W-170620 Filtered Grab Groundwater	9068528
MW-8-W-170620 Grab Groundwater	9068529
MW-8-W-170620 Filtered Grab Groundwater	9068530
MW-15-W-170620 Grab Groundwater	9068531
MW-15-W-170620 Filtered Grab Groundwater	9068532
MW-17-W-170621 Grab Groundwater	9068533
MW-17-W-170621 Filtered Grab Groundwater	9068534
MW-18-W-170621 Grab Groundwater	9068535
MW-18-W-170621 Filtered Grab Groundwater	9068536
MW-23-W-170621 Grab Groundwater	9068537
MW-23-W-170621 Filtered Grab Groundwater	9068538
MW-28-W-170621 Grab Groundwater	9068539
MW-28-W-170621 Filtered Grab Groundwater	9068540
MW-30-W-170620 Grab Groundwater	9068541
MW-30-W-170620 Filtered Grab Groundwater	9068542
MW-31-W-170620 Grab Groundwater	9068543
MW-31-W-170620 Filtered Grab Groundwater	9068544
MW-37-W-170620 Grab Groundwater	9068545
MW-37-W-170620 Filtered Grab Groundwater	9068546
DUP-WD-170620 Grab Groundwater	9068547

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-170620 NA Water
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068522
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017

Chevron

Submitted: 06/24/2017 09:40

6001 Bollinger Canyon Road

Reported: 07/13/2017 15:13

L4310

San Ramon CA 94583

EWCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	D171792AA	06/28/2017 19:28	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 19:28	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 11:26	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017 11:26	Brett W Kenyon	1

Sample Description: MW-5-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068523
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 05:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B		ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	120	29	1
08271	Heavy Range Organics C24-C40	n.a.	160	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	11.0	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 11:03	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 11:03	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	17178A20A	06/27/2017 16:29	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	17178A20A	06/27/2017 16:29	Brett W Kenyon	1
		ECY 97-602	1	171790031A	06/29/2017 22:01	Amy Lehr	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	171790030A	07/05/2017 20:06	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	NWTPH-Dx modified					
		ECY 97-602	1	171790030A	06/29/2017 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: MW-5-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068523
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 05:50 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/24/2017 09:40

Reported: 07/13/2017 15:13

EWC05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017 09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184803	06/28/2017 06:24	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184803	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-5-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068524
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 05:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184803	06/28/2017 06:35	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184803	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-6-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068525
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 07:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	0.9	0.5	1
10945	1,2-Dichloroethane	107-06-2	0.7	0.5	1
10945	Ethylbenzene	100-41-4	2	0.5	1
10945	Toluene	108-88-3	0.6	0.5	1
10945	Xylene (Total)	1330-20-7	0.6	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	1,400	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	30	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	260	28	1
08271	Heavy Range Organics C24-C40	n.a.	230	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	6.5	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	403,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 12:15	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 12:15	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 16:57	Brett W Kenyon	1

Sample Description: MW-6-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068525
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 07:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017	16:57	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171780017A	06/27/2017	14:24	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/29/2017	22:23	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	20:28	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017	02:20	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017	17:15	JoElla L Rice	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	04:18	Ian D Toomey	1

Sample Description: MW-6-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068526
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 07:05 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	3,150	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017 01:16	Scott R Yanos	1
07058	Manganese	SW-846 6010B	1	171760184804	06/27/2017 01:16	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-7-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068527
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 09:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	3	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	87	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	6,900	1,000	20
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	4,000	28	1
08271	Heavy Range Organics C24-C40	n.a.	1,000	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	3,800	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	460	66	1
Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	38.0	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	425,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 12:39	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 12:39	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 20:13	Brett W Kenyon	20

Sample Description: MW-7-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068527
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 09:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017	20:13	Brett W Kenyon	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171780017A	06/27/2017	14:42	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/30/2017	00:58	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	20:50	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017	02:24	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017	17:15	JoElla L Rice	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	05:01	Ian D Toomey	1

Sample Description: MW-7-W-170620 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068528
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 09:25 by GM

Chevron

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Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved			SW-846 6010B	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	700	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017 02:28	Scott R Yanos	1
07058	Manganese	SW-846 6010B	1	171760184804	06/27/2017 02:28	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-8-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068529
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 08:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	80	28	1
08271	Heavy Range Organics C24-C40	n.a.	180	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	N.D.	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	217,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 13:03	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 13:03	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 17:24	Brett W Kenyon	1

Sample Description: MW-8-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068529
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 08:15 by GM

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Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017	17:24	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171780017A	06/27/2017	15:00	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/29/2017	22:45	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	21:12	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017	02:39	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017	17:15	JoElla L Rice	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	03:47	Ian D Toomey	1

Sample Description: MW-8-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068530
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 08:15 by GM

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Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	3.7	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017 02:43	Scott R Yanos	1
07058	Manganese	SW-846 6010B	1	171760184804	06/27/2017 02:43	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-15-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068531
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 10:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	340	28	1
08271	Heavy Range Organics C24-C40	n.a.	1,200	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	100	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	510	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	27.4	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	191,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 13:27	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 13:27	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 17:52	Brett W Kenyon	1

Sample Description: MW-15-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068531
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 10:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017	17:52	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171780017A	06/27/2017	15:58	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/30/2017	01:42	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	23:23	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017	02:46	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017	17:15	JoElla L Rice	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	03:39	Ian D Toomey	1

Sample Description: MW-15-W-170620 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068532
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 10:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	N.D.	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184804	06/27/2017 02:50	Scott R Yanos	1
07058	Manganese	SW-846 6010B	1	171760184804	06/27/2017 02:50	Scott R Yanos	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184804	06/26/2017 17:15	JoElla L Rice	1

Sample Description: MW-17-W-170621 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068533
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 03:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	77	5	10
10945	1,2-Dichloroethane	107-06-2	N.D.	5	10
10945	Ethylbenzene	100-41-4	2,400	50	100
10945	Toluene	108-88-3	2,600	50	100
10945	Xylene (Total)	1330-20-7	10,000	50	100
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	74,000	1,000	20
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	14	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,500	29	1
08271	Heavy Range Organics C24-C40	n.a.	300	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	300	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	19.6	6.0	1
Wet Chemistry		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	403,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 13:51	Anthony H Downey	10
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 14:15	Anthony H Downey	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 13:51	Anthony H Downey	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D171792AA	06/28/2017 14:15	Anthony H Downey	100

Sample Description: MW-17-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068533
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/21/2017 03:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17179A53A	06/28/2017	18:01	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	1	17179A53A	06/28/2017	18:01	Brett W Kenyon	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171780018A	06/27/2017	16:08	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/30/2017	01:21	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	22:18	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184805	06/27/2017	19:53	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184805	06/27/2017	05:33	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002204B	06/26/2017	22:55	Ian D Toomey	1

Sample Description: MW-17-W-170621 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068534
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 03:15 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	2,090	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184805	06/27/2017 19:56	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	171760184805	06/27/2017 19:56	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184805	06/27/2017 05:33	James L Mertz	1

Sample Description: MW-18-W-170621 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068535
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 04:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	78	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	5.0	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	570	29	1
08271	Heavy Range Organics C24-C40	n.a.	2,600	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	180	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	1,100	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	29.8	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	246,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 14:39	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 14:39	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17179A53A	06/28/2017 13:50	Brett W Kenyon	1

Sample Description: MW-18-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068535
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/21/2017 04:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17179A53A	06/28/2017	13:50	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171790015A	06/28/2017	13:30	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/30/2017	02:04	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/06/2017	00:07	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017	16:00	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017	05:33	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	02:55	Ian D Toomey	1

Sample Description: MW-18-W-170621 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068536
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 04:25 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	223	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017 17:07	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	171760184806	06/27/2017 17:07	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017 05:33	James L Mertz	1

Sample Description: MW-23-W-170621 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068537
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 07:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	N.D.	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	201,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 15:03	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 15:03	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17179A53A	06/28/2017 14:18	Brett W Kenyon	1

Sample Description: MW-23-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068537
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/21/2017 07:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17179A53A	06/28/2017	14:18	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171790015A	06/28/2017	13:48	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/29/2017	23:07	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	22:40	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017	17:10	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017	05:33	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	03:03	Ian D Toomey	1

Sample Description: MW-23-W-170621 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068538
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 07:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	152	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017 17:13	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	171760184806	06/27/2017 17:13	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017 05:33	James L Mertz	1

Sample Description: MW-28-W-170621 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068539
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/21/2017 05:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC28

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous RSKSOP-175 modified ug/l					
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	15.2	6.0	1
Wet Chemistry SM 2320 B-1997 ug/l as CaCO3					
12150	Total Alkalinity to pH 4.5	n.a.	204,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 15:27	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 15:27	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17179A53A	06/28/2017 15:14	Brett W Kenyon	1

Sample Description: MW-28-W-170621 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068539
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/21/2017 05:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	17179A53A	06/28/2017	15:14	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	171790015A	06/28/2017	14:07	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171790031A	06/29/2017	23:29	Amy Lehr	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171790030A	07/05/2017	23:01	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171790030A	06/29/2017	09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017	09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017	17:16	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017	05:33	James L Mertz	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17177002205A	06/27/2017	02:48	Ian D Toomey	1

Sample Description: MW-28-W-170621 Filtered Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068540
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/21/2017 05:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	2.7	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017 17:19	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	171800184802	07/02/2017 16:06	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017 05:33	James L Mertz	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	2	171800184802	06/29/2017 22:00	Annamaria Kuhns	1

Sample Description: MW-30-W-170620 Grab Groundwater
Facility# 96590 **Job#** 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068541
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 02:35 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	30	28	1
08271	Heavy Range Organics C24-C40	n.a.	68	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 15:51	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 15:51	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	17178A20A	06/27/2017 18:19	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	17178A20A	06/27/2017 18:19	Brett W Kenyon	1
		ECY 97-602	1	171790031A	06/29/2017 23:52	Amy Lehr	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	171790030A	07/06/2017 00:29	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	NWTPH-Dx modified					
		ECY 97-602	1	171790030A	06/29/2017 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: MW-30-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068541
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 02:35 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/24/2017 09:40

Reported: 07/13/2017 15:13

EWC30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171790031A	06/29/2017 09:00	Bradley W VanLeuven	1
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017 17:22	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017 05:33	James L Mertz	1

Sample Description: MW-30-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068542
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 02:35 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 06/24/2017 09:40 L4310
 Reported: 07/13/2017 15:13 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171760184806	06/27/2017 17:25	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171760184806	06/27/2017 05:33	James L Mertz	1

Sample Description: MW-31-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068543
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 03:40 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC31

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1
The holding time was not met. The client was notified and the data reported.					
GC Petroleum Hydrocarbons w/Si					
	ECY 97-602 NWTPH-Dx modified		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The holding time was not met. The client was notified and the data reported.					
The reverse surrogate, capric acid, is present at <1%.					
Metals					
	SW-846 6010B		ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 16:15	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 16:15	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 18:47	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017 18:47	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171840014A	07/06/2017 02:40	Thomas C Wildermuth	1

Sample Description: MW-31-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068543
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 03:40 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/24/2017 09:40

Reported: 07/13/2017 15:13

EWC31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171840015A	07/07/2017 13:10	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171840015A	07/05/2017 00:10	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171840014A	07/05/2017 00:10	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	171780184802	06/28/2017 06:16	Jonathan Allen	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171780184802	06/27/2017 17:10	JoElla L Rice	1

Sample Description: MW-31-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068544
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 03:40 by GM Chevron
 6001 Bollinger Canyon Road
 Submitted: 06/24/2017 09:40 L4310
 Reported: 07/13/2017 15:13 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171780184802	06/28/2017 06:19	Jonathan Allen	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171780184802	06/27/2017 17:10	JoElla L Rice	1

Sample Description: MW-37-W-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068545
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 04:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWC37

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	2	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	60	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1
The holding time was not met. The client was notified and the data reported.					
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The holding time was not met. The client was notified and the data reported.					
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B ug/l					
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D171792AA	06/28/2017 16:39	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171792AA	06/28/2017 16:39	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17178A20A	06/27/2017 19:15	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17178A20A	06/27/2017 19:15	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171840014A	07/06/2017 03:02	Thomas C Wildermuth	1

Sample Description: MW-37-W-170620 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068545
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 04:45 by GM

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 06/24/2017 09:40

Reported: 07/13/2017 15:13

EWC37

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171840015A	07/07/2017 13:31	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171840015A	07/05/2017 00:10	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171840014A	07/05/2017 00:10	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	171780184802	06/28/2017 06:22	Jonathan Allen	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171780184802	06/27/2017 17:10	JoElla L Rice	1

Sample Description: MW-37-W-170620 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068546
 LL Group # 1817681
 Account # 11260

Project Name: 96590

Collected: 06/20/2017 04:45 by GM Chevron
 Submitted: 06/24/2017 09:40 6001 Bollinger Canyon Road
 Reported: 07/13/2017 15:13 L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	SW-846 6010B 7439-92-1	ug/l N.D.	ug/l 6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.
 All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	171780184802	06/28/2017 06:25	Jonathan Allen	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	171780184802	06/27/2017 17:10	JoElla L Rice	1

Sample Description: DUP-WD-170620 Grab Groundwater
Facility# 96590 **Job#** 17156610
 232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068547
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 06/24/2017 09:40

L4310

Reported: 07/13/2017 15:13

San Ramon CA 94583

EWCFFD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	150	29	1
08271	Heavy Range Organics C24-C40	n.a.	740	68	1
The holding time was not met. The client was notified and the data reported.					
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	110	68	1
The holding time was not met. The client was notified and the data reported.					
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	F171792AA	06/28/2017 11:42	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F171792AA	06/28/2017 11:42	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17179A53A	06/28/2017 15:42	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17179A53A	06/28/2017 15:42	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	171840014A	07/06/2017 04:52	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	171840015A	07/07/2017 13:53	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	171840015A	07/05/2017 00:10	Karen L Beyer	1

Sample Description: DUP-WD-170620 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

LL Sample # WW 9068547
LL Group # 1817681
Account # 11260

Project Name: 96590

Collected: 06/20/2017 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 06/24/2017 09:40

Reported: 07/13/2017 15:13

EWCFD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	171840014A	07/05/2017 00:10	Karen L Beyer	1

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: D171792AA	Sample number(s): 9068522-9068523, 9068525, 9068527, 9068529, 9068531, 9068533, 9068535, 9068537, 9068539, 9068541, 9068543, 9068545	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: F171792AA	Sample number(s): 9068547	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17178A20A	Sample number(s): 9068522-9068523, 9068525, 9068527, 9068529, 9068531, 9068541, 9068543, 9068545	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 17179A53A	Sample number(s): 9068533, 9068535, 9068537, 9068539, 9068547	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 171780017A	Sample number(s): 9068525, 9068527, 9068529, 9068531	
Methane	N.D.	3.0
Batch number: 171780018A	Sample number(s): 9068533	
Methane	N.D.	3.0
Batch number: 171790015A	Sample number(s): 9068535, 9068537, 9068539	
Methane	N.D.	3.0
Batch number: 171790031A	Sample number(s): 9068523, 9068525, 9068527, 9068529, 9068531, 9068533, 9068535, 9068537, 9068539, 9068541	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 171840014A	Sample number(s): 9068543, 9068545, 9068547	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 171790030A	Sample number(s): 9068523, 9068525, 9068527, 9068529, 9068531, 9068533, 9068535, 9068537, 9068539, 9068541	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Batch number: 171840015A	Sample number(s): 9068543,9068545,9068547	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 171760184803	Sample number(s): 9068523-9068524	
Lead	N.D.	6.0
Batch number: 171760184804	Sample number(s): 9068525-9068532	
Lead	N.D.	6.0
Manganese	N.D.	1.6
Batch number: 171760184805	Sample number(s): 9068533-9068534	
Lead	N.D.	6.0
Manganese	N.D.	1.6
Batch number: 171760184806	Sample number(s): 9068535-9068542	
Lead	N.D.	6.0
Manganese	6.0	1.6
Batch number: 171780184802	Sample number(s): 9068543-9068546	
Lead	N.D.	6.0
Batch number: 171800184802	Sample number(s): 9068540	
Manganese	N.D.	1.6
	ug/l as CaCO3	ug/l as CaCO3
Batch number: 17177002204B	Sample number(s): 9068533	
Total Alkalinity to pH 4.5	N.D.	1,700
Batch number: 17177002205A	Sample number(s): 9068525,9068527,9068529,9068531,9068535,9068537,9068539	
Total Alkalinity to pH 4.5	N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D171792AA	Sample number(s): 9068522-9068523,9068525,9068527,9068529,9068531,9068533,9068535,9068537,9068539,9068541,9068543,9068545								
Benzene	20	18.46			92		78-120		
1,2-Dichloroethane	20	17.69			88		66-128		
Ethylbenzene	20	18.94			95		78-120		
Toluene	20	19.36			97		80-120		
Xylene (Total)	60	58.24			97		80-120		
Batch number: F171792AA	Sample number(s): 9068547								
Benzene	20	20.61			103		78-120		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloroethane	20	20.34			102		66-128		
Ethylbenzene	20	21.14			106		78-120		
Toluene	20	21.17			106		80-120		
Xylene (Total)	60	62.78			105		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17178A20A	Sample number(s):								
NWTPH-Gx water C7-C12	1100	999.35	1100	994.21	91	90	79-120	1	30
Batch number: 17179A53A	Sample number(s): 9068533,9068535,9068537,9068539,9068547								
NWTPH-Gx water C7-C12	1100	1064.49	1100	1008.86	97	92	79-120	5	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171780017A	Sample number(s): 9068525,9068527,9068529,9068531								
Methane	59.8	63.62	59.8	63.13	106	106	85-115	1	20
Batch number: 171780018A	Sample number(s): 9068533								
Methane	59.8	64.02	59.8	61.97	107	104	85-115	3	20
Batch number: 171790015A	Sample number(s): 9068535,9068537,9068539								
Methane	59.8	62.47	59.8	62.57	104	105	85-115	0	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171790031A	Sample number(s):								
Diesel Range Organics C12-C24	1600	1122.92	1600	1061.32	70	66	50-113	6	20
Batch number: 171840014A	Sample number(s): 9068543,9068545,9068547								
Diesel Range Organics C12-C24	1600	1236.67	1600	1251.8	77	78	50-113	1	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171790030A	Sample number(s):								
DRO C12-C24 w/Si Gel	1600	1119.65	1600	993.48	70	62	32-117	12	20
Batch number: 171840015A	Sample number(s): 9068543,9068545,9068547								
DRO C12-C24 w/Si Gel	1600	957.01	1600	1082.37	60	68	32-117	12	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171760184803	Sample number(s): 9068523-9068524								
Lead	150	146.39			98		80-120		
Batch number: 171760184804	Sample number(s): 9068525-9068532								
Lead	150	148.67			99		80-120		
Manganese	500	504.65			101		80-120		
Batch number: 171760184805	Sample number(s): 9068533-9068534								
Lead	150	156.95			105		80-120		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	500	528.27			106		80-120		
Batch number: 171760184806	Sample number(s): 9068535-9068542								
Lead	150	161.45			108		80-120		
Manganese	500	562.57			113		80-120		
Batch number: 171780184802	Sample number(s): 9068543-9068546								
Lead	150	147.47			98		80-120		
Batch number: 171800184802	Sample number(s): 9068540								
Manganese	500	511.4			102		80-120		
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17177002204B	Sample number(s): 9068533								
Total Alkalinity to pH 4.5	188000	185930			99		77-114		
Batch number: 17177002205A	Sample number(s): 9068525, 9068527, 9068529, 9068531, 9068535, 9068537, 9068539								
Total Alkalinity to pH 4.5	188000	184230			98		77-114		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D171792AA	Sample number(s): 9068522-9068523, 9068525, 9068527, 9068529, 9068531, 9068533, 9068535, 9068537, 9068539, 9068541, 9068543, 9068545 UNSPK: 9068523									
Benzene	N.D.	20	20.68	20	21.58	103	108	78-120	4	30
1,2-Dichloroethane	N.D.	20	19.7	20	20.12	98	101	66-128	2	30
Ethylbenzene	N.D.	20	21.88	20	22.64	109	113	78-120	3	30
Toluene	N.D.	20	21.34	20	22.62	107	113	80-120	6	30
Xylene (Total)	N.D.	60	66.9	60	69.94	112	117	80-120	4	30
Batch number: F171792AA	Sample number(s): 9068547 UNSPK: P069079									
Benzene	N.D.	20	21.05	20	20.01	105	100	78-120	5	30
1,2-Dichloroethane	1.71	20	22.14	20	21.46	102	99	66-128	3	30
Ethylbenzene	N.D.	20	21.78	20	21.46	109	107	78-120	1	30
Toluene	N.D.	20	22.24	20	21.26	111	106	80-120	4	30
Xylene (Total)	N.D.	60	64.18	60	63.13	107	105	80-120	2	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 171760184803	Sample number(s): 9068523-9068524 UNSPK: P068478									
Lead	N.D.	150	138.12	150	143.82	92	96	75-125	4	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 171760184804	Sample number(s): 9068525-9068532 UNSPK: 9068526									
Lead	N.D.	150	143.32	150	143.46	96	96	75-125	0	20
Manganese	3149.56	500	3827.41	500	3622.04	136 (2)	94 (2)	75-125	6	20
Batch number: 171760184805	Sample number(s): 9068533-9068534 UNSPK: P061099									
Lead	46.35	150	197.97	150	194.29	101	99	75-125	2	20
Manganese	3094.86	500	3569.78	500	3581.31	95 (2)	97 (2)	75-125	0	20
Batch number: 171760184806	Sample number(s): 9068535-9068542 UNSPK: 9068535, P068535									
Lead	29.77	150	194.64	150	187.77	110	105	75-125	4	20
Manganese	787.77	500	1620.41	500	1632.51	167*	169*	75-125	1	20
Batch number: 171780184802	Sample number(s): 9068543-9068546 UNSPK: P063790									
Lead	N.D.	150	142.16	150	142.06	95	95	75-125	0	20
Batch number: 171800184802	Sample number(s): 9068540 UNSPK: P070080									
Manganese	724.66	500	1196.52	500	1206.38	94	96	75-125	1	20
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17177002204B	Sample number(s): 9068533 UNSPK: P066336									
Total Alkalinity to pH 4.5	118860	188000	287750	188000	294200	90	93	77-114	2	10
Batch number: 17177002205A	Sample number(s): 9068525,9068527,9068529,9068531,9068535,9068537,9068539 UNSPK: P062706									
Total Alkalinity to pH 4.5	442540	188000	588700			78		77-114		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 171760184803	Sample number(s): 9068523-9068524 BKG: P068478			
Lead	N.D.	N.D.	0 (1)	20
Batch number: 171760184804	Sample number(s): 9068525-9068532 BKG: 9068526			
Lead	N.D.	N.D.	0 (1)	20
Manganese	3149.56	3344.42	6	20
Batch number: 171760184805	Sample number(s): 9068533-9068534 BKG: P061099			
Lead	46.35	45.94	1 (1)	20
Manganese	3094.86	3113.98	1	20

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 171760184806	Sample number(s): 9068535-9068542 BKG: 9068535, P068535			
Lead	29.77	38.85	26* (1)	20
Manganese	787.77	1022.24	26*	20
Batch number: 171780184802	Sample number(s): 9068543-9068546 BKG: P063790			
Lead	N.D.	N.D.	0 (1)	20
Batch number: 171800184802	Sample number(s): 9068540 BKG: P070080			
Manganese	724.66	725.79	0	20
	ug/l as CaCO3	ug/l as CaCO3		
Batch number: 17177002204B	Sample number(s): 9068533 BKG: 9068533			
Total Alkalinity to pH 4.5	403230	399320	1	5
Batch number: 17177002205A	Sample number(s): 9068525,9068527,9068529,9068531,9068535,9068537,9068539 BKG: P062706			
Total Alkalinity to pH 4.5	442540	442180	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/EDC
Batch number: D171792AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9068522	99	99	100	96
9068523	102	98	100	98
9068525	98	96	102	104
9068527	98	97	100	104
9068529	97	96	101	100
9068531	97	96	103	99
9068533	97	97	102	100
9068535	97	98	101	97
9068537	97	96	102	98
9068539	99	98	100	99
9068541	99	98	101	96
9068543	99	99	101	97
9068545	99	101	102	99
Blank	99	98	100	95
LCS	99	101	101	100
MS	98	102	101	99
MSD	98	101	101	101

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/EDC
Batch number: D171792AA

Limits: 80-116 77-113 80-113 78-113

Analysis Name: BTEX/EDC
Batch number: F171792AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9068547	98	100	103	99
Blank	98	100	101	98
LCS	97	98	103	101
MS	98	103	103	102
MSD	98	99	101	100

Limits: 80-116 77-113 80-113 78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17178A20A

	Trifluorotoluene-F
9068522	92
9068523	90
9068525	109
9068527	88
9068529	87
9068531	88
9068541	91
9068543	88
9068545	90
Blank	91
LCS	98
LCSD	99

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17179A53A

	Trifluorotoluene-F
9068533	102
9068535	92
9068537	109
9068539	120
9068547	97
Blank	111
LCS	102
LCSD	104

Limits: 63-135

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 171780017A

Propene	
9068525	84
9068527	85
9068529	92
9068531	94
Blank	102
LCS	105
LCSD	96

Limits: 44-123

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 171780018A

Propene	
9068533	90
Blank	102
LCS	104
LCSD	101

Limits: 44-123

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 171790015A

Propene	
9068535	99
9068537	98
9068539	93
Blank	103
LCS	104
LCSD	104

Limits: 44-123

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 171790030A

Orthoterphenyl	
9068523	81
9068525	70
9068527	82
9068529	84
9068531	73
9068533	92
9068535	84
9068537	86
9068539	92
9068541	82

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 171790030A

Orthoterphenyl	
Blank	84
LCS	92
LCSD	83

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 171790031A

Orthoterphenyl	
9068523	93
9068525	87
9068527	91
9068529	94
9068531	81
9068533	99
9068535	94
9068537	95
9068539	94
9068541	96
Blank	93
LCS	102
LCSD	97

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 171840014A

Orthoterphenyl	
9068543	102
9068545	96
9068547	98
Blank	99
LCS	99
LCSD	100

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 171840015A

Orthoterphenyl	
9068543	83
9068545	72
9068547	81
Blank	74
LCS	83

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 07/13/2017 15:13

Group Number: 1817681

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 171840015A


	Orthoterphenyl
LCSD	92
Limits:	50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody


eurofins
 062317-03

14
**Lancaster
 Laboratories**

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1817681 Sample # 4068522-47
 Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks										
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler G MEDINA			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil			Total Number of Containers <input type="checkbox"/> BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Naphth <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input checked="" type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Lead <input checked="" type="checkbox"/> Total <input checked="" type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method 6010B DISSOLVED MANGANESE (6010B) ALKALINITY (330.3-1991) METALS (330.3-1991) EDC (8260)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	6 Remarks		
Date	Time	Grab	Composite																					Soil	Water	Oil
QA	170620			X					N	X					X	X								DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.		
MW-5								F							X	X										
6																										
7																										
8																										
15																										
17	21																									
18																										
23																										
28																										
30	20																									
31																										
37																										
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 72 hour 4 day EDFEDD 48 hour 24 hour				Relinquished by <i>[Signature]</i> Date <u>6/23/17</u> Time <u>1225</u>		Received by <i>A. Aulys</i> Date <u>23 JUN 17</u> Time <u>1245</u>		Relinquished by <i>A. Aulys</i> Date <u>23 JUN 17</u> Time <u>1638</u>		Received by <i>FX</i> Date _____ Time _____		Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Received by <i>[Signature]</i> Date <u>6/28/17</u> Time <u>940</u>		Temperature Upon Receipt <u>6.5-3.2 °C</u>		Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____																						

Chevron Northwest Region Analysis Request/Chain of Custody

862317-83
eurofins

14
Lancaster
Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
Group # 1817681 Sample #
Instructions on reverse side correspond with circled numbers.

9068522-47

1042

1 Client Information				4 Matrix			5 Analyses Requested										SCR #: _____	
Facility # <u>SS19-6590-OML G-R#17156610</u> WBS				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Composite			Total Number of Containers BTEX <input checked="" type="checkbox"/> MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <u>6010B</u> DISOLVE D MANGANESE (6010B) ALKALINITY (229.3-193) METHANE (RSKof - 175M) EDC (4260)										<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
Site Address <u>832 East Woodin Avenue, CHELAN, WA</u>																		
Chevron <u>BR</u> LEIDOSRS Lead Consultant <u>Russell Shropshire</u>																		
Consultant Office <u>Gardner-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588</u>																		
Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com)</u>																		
Consultant Phone # <u>(925) 551-7444 x180</u>																		
Sampler <u>GMEONA</u>																		
2 Sample Identification		Collected		3 Grab											6 Remarks			
		Date	Time															
<u>QA</u>		<u>170620</u>		<u>X</u>											DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED. JWH 6/29/17			
<u>MW-5</u>			<u>0550</u>															
<u>6</u>			<u>0705</u>															
<u>7</u>			<u>0925</u>															
<u>8</u>			<u>0815</u>															
<u>15</u>			<u>1055</u>															
<u>17</u>		<u>21</u>	<u>0315</u>															
<u>18</u>			<u>0425</u>															
<u>23</u>			<u>0740</u>															
<u>28</u>			<u>0545</u>															
<u>30</u>			<u>0235</u>															
<u>31</u>			<u>0340</u>															
<u>32</u>			<u>0445</u>															
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>			Date <u>6/23/17</u>		Time <u>1275</u>		Received by <u>A. [Signature]</u>		Date <u>23 JUN 17</u>		Time <u>1245</u>			
Standard <input checked="" type="radio"/> 5 day 72 hour 4 day <input type="radio"/> EDD/EDD 48 hour 24 hour <input type="radio"/>				Relinquished by			Date		Time		Received by		Date		Time			
8 Data Package (circle if required)				Relinquished by Commercial Carrier:			Date		Time		Received by		Date		Time			
Type I - Full				CVX-RTBU-FL_05 (default)			UPS _____		FedEx _____		Other _____							
Type VI (Raw Data)				Other: _____			Temperature Upon Receipt _____ °C		Custody Seals Intact?		Yes		No					

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

Issued by Dept. 40 Management

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

7051.03

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins
662317-03

Lancaster Laboratories

Acct. # 11260

Group # 1817681

Sample # 9068522-47

2 of 2

For Eurofins Lancaster Laboratories use only
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks										
Facility # <u>SS#9-6590-OML G-R#17156610</u> WBS Site Address <u>232 East Woodin Avenue, CHELAN, WA</u> Chevron <u>ER</u> LEIDOSRS Lead Consultant <u>Russell Shropshire</u> Consultant/Office <u>Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u> Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com)</u> Consultant Phone # <u>(925) 551-7444 x180</u> Sampler <u>G MEDINA</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil			Total Number of Containers <u>80</u> <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input checked="" type="checkbox"/> NWTPH-Gx / <u>EDC (8260)</u> <input checked="" type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8021	8260	Naphth	Oxygenates	NWTPH-Gx / EDC (8260)	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	6 Remarks			
<u>DWP</u>		<u>17</u>	<u>0620</u>	<u>-</u>	<u>X</u>		<u>W</u>		<u>80</u>	<u>X</u>					<u>X</u>	<u>X</u>	<u>X</u>							DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.			
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>		Date <u>16/23/17</u>	Time <u>1225</u>	Received by <u>A. Salazar</u>		Date <u>23 JUN 17</u>	Time <u>1245</u>			Relinquished by <u>A. Salazar</u>		Date <u>23 JUN 17</u>	Time <u>1638</u>	Received by <u>FX</u>		Date	Time						
<input checked="" type="radio"/> Standard 5 day <input type="radio"/> 72 hour 48 hour <input type="radio"/> 4 day EDF/EDD 24 hour																											
8 Data Package (circle if required)				Relinquished by Commercial Carrier:		UPS _____ FedEx <u>X</u> Other _____		Received by <u>[Signature]</u>		Date <u>6/29/17</u>	Time <u>940</u>			Temperature Upon Receipt <u>0.5 - 3.2 °C</u>		Custody Seals Intact?		<input checked="" type="radio"/> Yes		<input type="radio"/> No							
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)				<input type="radio"/> EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____																							



Client: California Office

Delivery and Receipt Information

Delivery Method: BASC Arrival Timestamp: 06/24/2017 9:40
 Number of Packages: 9 Number of Projects: 4
 State/Province of Origin: CA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	No
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (≥ 6mm):	See Below
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

VOA Vial IDs (Headspace ≥ 6mm): MW-28 (1 of 9)

Unpacked by Simon Nies (25112) at 12:41 on 06/24/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	2.7	DT	Wet	Y	Bagged	N
2	DT42-02	0.9	DT	Wet	Y	Bagged	N
3	DT42-02	0.8	DT	Wet	Y	Bagged	N
4	DT42-02	0.9	DT	Wet	Y	Bagged	N
5	DT42-02	0.9	DT	Wet	Y	Bagged	N
6	DT42-02	3.2	DT	Wet	Y	Bagged	N
7	DT42-02	2.2	DT	Wet	Y	Bagged	N
8	DT42-02	0.5	DT	Wet	Y	Bagged	N
9	DT42-02	2.3	DT	Wet	Y	Bagged	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
MW-6	11	14	



Client: California Office

Sample Date/Time Discrepancy Details

<u>Sample ID on COC</u>	<u>Date/Time on Label</u>	<u>Comments</u>
MW-5	6/20/2017 05:50	
MW-6	6/20/2017 07:05	
MW-6	6/20/2017 09:25	
MW-8	6/20/2017 08:15	
MW-15	6/20/2017 10:55	
MW-17	6/20/2017 03:15	
MW-18	6/21/2017 04:25	
MW-23	6/21/2017 07:40	
MW-28	6/21/2017 05:45	
MW-30	6/20/2017 02:35	
MW-31	6/20/2017 03:40	
MW-37	6/20/2017 04:45	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 08, 2017 09:42

Project: 96590

Account #: 11260
Group Number: 1864093
PO Number: 0015251760
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-15-W-171017 Grab Groundwater	10/17/2017 10:55	9268750
MW-23-W-171017 Grab Groundwater	10/17/2017 12:20	9268751
MW-28-W-171017 Grab Groundwater	10/17/2017 09:30	9268752
MW-30-W-171017 Grab Groundwater	10/17/2017 05:55	9268753
MW-31-W-171017 Grab Groundwater	10/17/2017 07:00	9268754
MW-37-W-171017 Grab Groundwater	10/17/2017 04:50	9268755
MW-39-W-171017 Grab Groundwater	10/17/2017 08:05	9268756

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: MW-15-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9268750
ELLE Group #: 1864093
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/18/2017 09:25
Collection Date/Time: 10/17/2017 10:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	11,700	250	5
00228	Sulfate	14808-79-8	31,300	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	180,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	190	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 19:50	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291249112B	10/19/2017 04:24	Zachary W Enck	5
00228	Sulfate	EPA 300.0	1	17291249112B	10/19/2017 04:24	Zachary W Enck	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17293002102A	10/20/2017 17:10	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17291834401A	10/18/2017 18:50	Daniel S Smith	1

Sample Description: MW-23-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9268751
ELLE Group #: 1864093
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/18/2017 09:25
Collection Date/Time: 10/17/2017 12:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	4,200	250	5
00228	Sulfate	14808-79-8	16,800	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	192,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	450	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 20:22	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291249112B	10/19/2017 02:08	Zachary W Enck	5
00228	Sulfate	EPA 300.0	1	17291249112B	10/19/2017 02:08	Zachary W Enck	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17293002102A	10/20/2017 18:32	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17291834401A	10/18/2017 18:50	Daniel S Smith	1

Sample Description: MW-28-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9268752
ELLE Group #: 1864093
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/18/2017 09:25
Collection Date/Time: 10/17/2017 09:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	19,600	2,500	50
00228	Sulfate	14808-79-8	28,900	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	186,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	220	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 21:10	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291249112A	10/18/2017 20:10	Zachary W Enck	50
00228	Sulfate	EPA 300.0	1	17291249112A	10/18/2017 19:53	Zachary W Enck	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17293002102A	10/20/2017 17:04	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17291834401A	10/18/2017 18:50	Daniel S Smith	1

Sample Description: MW-30-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9268753
 ELLE Group #: 1864093
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/18/2017 09:25
 Collection Date/Time: 10/17/2017 05:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 21:26	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1

Sample Description: MW-31-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9268754
 ELLE Group #: 1864093
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/18/2017 09:25
 Collection Date/Time: 10/17/2017 07:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 21:42	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1

Sample Description: MW-37-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9268755
 ELLE Group #: 1864093
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/18/2017 09:25
 Collection Date/Time: 10/17/2017 04:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 21:58	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1

Sample Description: MW-39-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9268756
 ELLE Group #: 1864093
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/18/2017 09:25
 Collection Date/Time: 10/17/2017 08:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0097	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 22:14	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:42

Group Number: 1864093

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: 172920041A Ethylene dibromide	N.D.	0.010
Batch number: 17291249112A Nitrate Nitrogen Sulfate	N.D. N.D.	50 300
Batch number: 17291249112B Nitrate Nitrogen Sulfate	N.D. N.D.	50 300
Batch number: 17291834401A Ferrous Iron	N.D.	15
Batch number: 17293002102A Total Alkalinity to pH 4.5	N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172920041A Ethylene dibromide	0.128	0.133	0.128	0.134	104	105	60-140	1	20
Batch number: 17291249112A Nitrate Nitrogen Sulfate	750	776.84	7500	7360.95	104	98	90-110 90-110		
Batch number: 17291249112B Nitrate Nitrogen Sulfate	750	776.84	7500	7360.95	104	98	90-110 90-110		
Batch number: 17291834401A Ferrous Iron	400	403.83			101		93-105		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:42

Group Number: 1864093

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17293002102A Total Alkalinity to pH 4.5	Sample number(s): 9268750-9268752								
	188000	167840			89		77-114		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9268750-9268756 UNSPK: 9268750									
	N.D.	0.124	0.155			125		60-140		
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 17291249112A Nitrate Nitrogen	Sample number(s): 9268752 UNSPK: P268791									
	N.D.	2500	2500.67			100		90-110		
Sulfate	15377.36	25000	39861.27			98		90-110		
Batch number: 17291249112B Nitrate Nitrogen	Sample number(s): 9268750-9268751 UNSPK: P268879									
	N.D.	2500	2606.04			104		90-110		
Sulfate	25249.5	25000	50462.83			101		90-110		
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 17291834401A Ferrous Iron	Sample number(s): 9268750-9268752 UNSPK: P268791									
	14185.95	20000	33515	20000	33464.53	97	96	93-105	0	6
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17293002102A Total Alkalinity to pH 4.5	Sample number(s): 9268750-9268752 UNSPK: P272225									
	371160	188000	531460			85		77-114		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
---------------	----------	----------	---------	-------------

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:42

Group Number: 1864093

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9268750-9268756 BKG: 9268756 N.D.	Sample number(s): 9268756 BKG: 9268756 N.D.	0 (1)	30
Batch number: 17291249112A Nitrate Nitrogen Sulfate	Sample number(s): 9268752 BKG: P268791 N.D. 15377.36	Sample number(s): 9268752 BKG: P268791 N.D. 15340.08	0 (1) 0 (1)	15 15
Batch number: 17291249112B Nitrate Nitrogen Sulfate	Sample number(s): 9268750-9268751 BKG: P268879 N.D. 25249.5	Sample number(s): 9268751 BKG: P268879 N.D. 24931.19	0 (1) 1 (1)	15 15
Batch number: 17291834401A Ferrous Iron	Sample number(s): 9268750-9268752 BKG: P268791 14185.95	Sample number(s): 9268752 BKG: P268791 14539.23	2	6
Batch number: 17293002102A Total Alkalinity to pH 4.5	Sample number(s): 9268750-9268752 BKG: P272225 371160	Sample number(s): 9268752 BKG: P272225 371050	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: EDB, DBCP, 1,2,3-TCP 8011
Batch number: 172920041A

	1,1,2,2-Tetrachloroethane-D1	1,1,2,2-Tetrachloroethane-D2
9268750	82	86
9268751	86	91
9268752	76	77
9268753	72	73
9268754	72	77
9268755	70	72
9268756	72	174*
Blank	55	55
DUP	145*	153*
LCS	59	60
LCSD	70	70

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:42

Group Number: 1864093

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: EDB, DBCP, 1,2,3-TCP 8011

Batch number: 172920041A

	1,1,2,2-Tetrachloroethane-D1	1,1,2,2-Tetrachloroethane-D2
MS	92	94
Limits:	46-136	46-136

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1864093 Sample # 9268750-56

Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks			
Facility # <u>SS#9-6590-OML G-R#17156610</u> WBS Site Address <u>232 East Woodin Avenue, CHELAN, WA</u> Chevron PM <u>ER</u> LEIDOSRS Lead Consultant <u>Russell Shropshire</u> Consultant/Office <u>Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588</u> Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com)</u> Consultant Phone # <u>(925) 551-7444 x180</u> Sampler <u>Alex Wong</u>			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates EDB (801) NWTPH-Dx with Silica Gel Cleanup <input type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/> NITRATE/SULFATE (EPA 300.0) FERROUS IRON (Sm 20 3500 Fe-B 197) ALKALINITY (2320 B-191)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits			
2 Sample Identification		Collected		3												6			
		Date	Time	Grab	Composite														
<u>MW-15</u>		<u>7/10/17</u>	<u>1055</u>	<u>X</u>															
<u>MW-23</u>			<u>1220</u>																
<u>MW-28</u>			<u>0930</u>																
<u>MW-30</u>			<u>0555</u>																
<u>MW-31</u>			<u>0700</u>																
<u>MW-37</u>			<u>0450</u>																
<u>MW-39</u>			<u>0805</u>																
7 Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> Standard 5 day 72 hour 48 hour 4 day EDF/EDD 24 hour				Relinquished by _____ Date <u>7/10/17</u> Time <u>1500</u>		Received by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Received by _____ Date <u>7/18/17</u> Time <u>925</u>		Temperature Upon Receipt <u>2.3</u> °C		Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No	

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.



Client: CHEVRON NORTHWEST

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/18/2017 9:25</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wendy Wakeley (1669) at 09:39 on 10/18/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	32170023	2.3	IR	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 08, 2017 09:40

Project: 96590

Account #: 11260
Group Number: 1864668
PO Number: 0015251760
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-5-W-171018 Grab Groundwater	10/18/2017 11:50	9271364
MW-6-W-171018 Grab Groundwater	10/18/2017 10:40	9271365
MW-7-W-171018 Grab Groundwater	10/18/2017 09:15	9271366
MW-8-W-171018 Grab Groundwater	10/18/2017 07:55	9271367
MW-17-W-171018 Grab Groundwater	10/18/2017 05:05	9271368
MW-18-W-171018 Grab Groundwater	10/18/2017 06:30	9271369

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: MW-5-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9271364
 ELLE Group #: 1864668
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/19/2017 09:20
 Collection Date/Time: 10/18/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0093	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	173000001A	10/30/2017 01:00	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	173000001A	10/27/2017 16:30	Edwin Ortiz	1

Sample Description: MW-6-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9271365
ELLE Group #: 1864668
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/19/2017 09:20
Collection Date/Time: 10/18/2017 10:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0093	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	14,300	250	5
00228	Sulfate	14808-79-8	24,600	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	244,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	173000001A	10/30/2017 01:16	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	2	173000001A	10/27/2017 16:30	Edwin Ortiz	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291120306B	10/19/2017 13:09	Hallie A Burnett	5
00228	Sulfate	EPA 300.0	1	17291120306B	10/19/2017 15:52	Hallie A Burnett	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17292002202A	10/19/2017 22:21	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17292834401A	10/19/2017 18:45	Daniel S Smith	1

Sample Description: MW-7-W-171018 Grab Groundwater
Facility# 96590 **Job#** 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9271366
ELLE Group #: 1864668
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/19/2017 09:20
Collection Date/Time: 10/18/2017 09:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0098	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	10,500	250	5
00228	Sulfate	14808-79-8	44,800	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	400,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	17	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 23:18	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291120306B	10/19/2017 13:26	Hallie A Burnett	5
00228	Sulfate	EPA 300.0	1	17291120306B	10/19/2017 16:08	Hallie A Burnett	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17292002202A	10/19/2017 22:05	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17292834401A	10/19/2017 18:45	Daniel S Smith	1

Sample Description: MW-8-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9271367
ELLE Group #: 1864668
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/19/2017 09:20
Collection Date/Time: 10/18/2017 07:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0099	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	14,300	250	5
00228	Sulfate	14808-79-8	43,200	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	227,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	N.D.	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/23/2017 23:34	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291120306B	10/19/2017 13:42	Hallie A Burnett	5
00228	Sulfate	EPA 300.0	1	17291120306B	10/19/2017 16:24	Hallie A Burnett	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17292002202A	10/19/2017 22:35	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17292834401A	10/19/2017 18:45	Daniel S Smith	1

Sample Description: MW-17-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 E Woodin Ave - Chelan, WA

Chevron
ELLE Sample #: WW 9271368
ELLE Group #: 1864668
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/19/2017 09:20
Collection Date/Time: 10/18/2017 05:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction SW-846 8011					
10398	Ethylene dibromide	106-93-4	0.71 D1	0.098	10
Volatile compounds have been detected above the LOQ in the sample. Since a field reagent blank (trip blank) was not submitted with this sample any potential contribution of volatiles from the sampling/transport process cannot be assessed.					
Wet Chemistry EPA 300.0					
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	N.D.	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	388,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	9,900	380	25

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/27/2017 18:15	Heather M Miller	10
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291120306B	10/19/2017 13:02	Hallie A Burnett	5
00228	Sulfate	EPA 300.0	1	17291120306B	10/19/2017 13:02	Hallie A Burnett	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17292002204B	10/20/2017 03:53	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17292834401A	10/19/2017 18:45	Daniel S Smith	25

Sample Description: MW-18-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 E Woodin Ave - Chelan, WA

Chevron
 ELLE Sample #: WW 9271369
 ELLE Group #: 1864668
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/19/2017 09:20
 Collection Date/Time: 10/18/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Volatiles by Extraction					
10398	Ethylene dibromide	106-93-4	N.D. D1	0.0098	1
Wet Chemistry					
00368	Nitrate Nitrogen	14797-55-8	13,500	250	5
00228	Sulfate	14808-79-8	26,400	1,500	5
SM 2320 B-1997					
12150	Total Alkalinity to pH 4.5	n.a.	230,000	1,700	1
SM 3500-Fe B 1997					
08344	Ferrous Iron	n.a.	27	15	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10398	EDB, DBCP, 1,2,3-TCP 8011	SW-846 8011	1	172920041A	10/24/2017 00:38	Heather M Miller	1
07786	EDB Extraction (8011)	SW-846 8011	1	172920041A	10/21/2017 15:15	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	17291120306B	10/19/2017 13:20	Hallie A Burnett	5
00228	Sulfate	EPA 300.0	1	17291120306B	10/19/2017 13:20	Hallie A Burnett	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17292002204A	10/20/2017 05:25	Ian D Toomey	1
08344	Ferrous Iron	SM 3500-Fe B 1997	1	17292834401A	10/19/2017 18:45	Daniel S Smith	1

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:40

Group Number: 1864668

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9271366-9271369 N.D.	0.010
Batch number: 173000001A Ethylene dibromide	Sample number(s): 9271364-9271365 N.D.	0.010
Batch number: 17291120306B Nitrate Nitrogen Sulfate	Sample number(s): 9271365-9271369 N.D. N.D.	50 300
Batch number: 17292834401A Ferrous Iron	Sample number(s): 9271365-9271369 N.D.	15
	ug/l as CaCO3	ug/l as CaCO3
Batch number: 17292002202A Total Alkalinity to pH 4.5	Sample number(s): 9271365-9271367 N.D.	1,700
Batch number: 17292002204A Total Alkalinity to pH 4.5	Sample number(s): 9271369 N.D.	1,700
Batch number: 17292002204B Total Alkalinity to pH 4.5	Sample number(s): 9271368 N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9271366-9271369 0.128	0.133	0.128	0.134	104	105	60-140	1	20
Batch number: 173000001A Ethylene dibromide	Sample number(s): 9271364-9271365 0.128	0.139	0.128	0.148	109	116	60-140	6	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17291120306B Nitrate Nitrogen Sulfate	Sample number(s): 9271365-9271369 750 7500	707.11 6978.47			94 93		90-110 90-110		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:40

Group Number: 1864668

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17292834401A Ferrous Iron	Sample number(s): 9271365-9271369						93-105		
	400	404.84			101				
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17292002202A Total Alkalinity to pH 4.5	Sample number(s): 9271365-9271367						77-114		
	188000	178010			95				
Batch number: 17292002204A Total Alkalinity to pH 4.5	Sample number(s): 9271369						77-114		
	188000	177600			94				
Batch number: 17292002204B Total Alkalinity to pH 4.5	Sample number(s): 9271368						77-114		
	188000	177600			94				

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9271366-9271369 UNSPK: P268750									
	N.D.	0.124	0.155			125		60-140		
Batch number: 173000001A Ethylene dibromide	Sample number(s): 9271364-9271365 UNSPK: P279482									
	N.D.	0.122	0.117	0.121	0.116	96	95	60-140	2	20
Batch number: 17291120306B Nitrate Nitrogen Sulfate	Sample number(s): 9271365-9271369 UNSPK: 9271365									
	14297.92	2500	17604.73			132 (2)		90-110		
	24592.3	25000	55439.23			123*		90-110		
Batch number: 17292834401A Ferrous Iron	Sample number(s): 9271365-9271369 UNSPK: P271764									
	12419.59	20000	31799.11	20000	31597.24	97	96	93-105	1	6
Batch number: 17292002202A Total Alkalinity to pH 4.5	Sample number(s): 9271365-9271367 UNSPK: P268879									
	286600	188000	366070	188000	367870	42*	43*	77-114	0	10
Batch number: 17292002204A Total Alkalinity to pH 4.5	Sample number(s): 9271369 UNSPK: P269493									
	378520	188000	524830			78		77-114		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:40

Group Number: 1864668

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l as CaCO3	MS Spike Added ug/l as CaCO3	MS Conc ug/l as CaCO3	MSD Spike Added ug/l as CaCO3	MSD Conc ug/l as CaCO3	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 17292002204B Total Alkalinity to pH 4.5										
	Sample number(s): 9271368	UNSPK: P269493								
	378520	188000	524830			78		77-114		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 172920041A Ethylene dibromide	Sample number(s): 9271366-9271369 BKG: P268756 N.D.	N.D.	0 (1)	30
Batch number: 17291120306B Nitrate Nitrogen Sulfate	Sample number(s): 9271365-9271369 BKG: 9271365 14297.92 24592.3	14289.15 24406.71	0 1 (1)	15 15
Batch number: 17292834401A Ferrous Iron	Sample number(s): 9271365-9271369 BKG: P271764 12419.59	12772.87	3 (1)	6
Batch number: 17292002202A Total Alkalinity to pH 4.5	Sample number(s): 9271365-9271367 BKG: P268879 286600	288300	1	5
Batch number: 17292002204A Total Alkalinity to pH 4.5	Sample number(s): 9271369 BKG: P269493 378520	379150	0	5
Batch number: 17292002204B Total Alkalinity to pH 4.5	Sample number(s): 9271368 BKG: 9271368 387800	384120	1	5

Surrogate Quality Control

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/08/2017 09:40

Group Number: 1864668

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: EDB, DBCP, 1,2,3-TCP 8011
Batch number: 172920041A

	1,1,2,2-Tetrachloroethane-D1	1,1,2,2-Tetrachloroethane-D2
9271366	115	95
9271367	105	69
9271368	189*	1212*
9271369	78	69
Blank	55	55
DUP	145*	153*
LCS	59	60
LCSD	70	70
MS	92	94
Limits:	46-136	46-136

Analysis Name: EDB, DBCP, 1,2,3-TCP 8011
Batch number: 173000001A

	1,1,2,2-Tetrachloroethane-D1	1,1,2,2-Tetrachloroethane-D2
9271364	90	90
9271365	90	85
Blank	92	96
LCS	96	94
LCSD	99	99
MS	118	84
MSD	108	87
Limits:	46-136	46-136

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1864668 Sample # 9271364-69

Instructions on reverse side correspond with circled numbers.

① Client Information				④ Matrix				⑤ Analyses Requested										⑥ Remarks														
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Alex Wong				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Potable Ground <input type="checkbox"/> NPDES Surface <input type="checkbox"/> Oil Air				Total Number of Containers BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates EDB (801) NWTPH-DX with Silica Gel Cleanup <input type="checkbox"/> NWTPH-DX without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <input type="checkbox"/> NITRATE/SULFATE (EPA 300.0) FERROUS IRON (SM 20 3500 Fe-B197) ALKALINITY (230 B-1991)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits														
② Sample Identification		Collected		③ Grab		Composite																										
		Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	EDB (801)	NWTPH-DX with Silica Gel Cleanup	NWTPH-DX without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	NITRATE/SULFATE (EPA 300.0)	FERROUS IRON (SM 20 3500 Fe-B197)	ALKALINITY (230 B-1991)					
MW-5	171018	1150	X				X		2							X																
MW-6		1040							6							X										X	X	X				
MW-7		0915																														
MW-8		0755																														
MW-17		0505																														
MW-18		0630																														
⑦ Turnaround Time Requested (TAT) (please circle) Standard <u>5 day</u> 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by _____		Date <u>17/10/18</u>		Time <u>1300</u>		Received by _____				Date _____		Time _____		⑨														
⑧ Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____		Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____						Received by _____ Date <u>17/10/18</u> Time <u>9:20</u>				Temperature Upon Receipt <u>28</u> °C		Custody Seals Intact? <u>Yes</u> No														

DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.



Client: CHEVRON NORTHWEST REGION

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/19/2017 9:20</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>WA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wendy Wakeley (1669) at 09:37 on 10/19/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	32170023	0.8	IR	Wet	Y	Bagged	N

Amek Carter

From: US19_USR_AutomatedChangeForms
Sent: Thursday, October 19, 2017 4:05 PM
To: Amek Carter
Subject: Change Form for Group 1864668 (Chevron - 11260)

Group Number:1864668

Client: Chevron

Account: 11260

Project: 96590

CSR: Loran Carter

Entry Date: 10/19/17 10:11

Change Reasons:

SDGs:

Change Dates: 10/19/17 15:12

Changing Employee: Loran Carter;

Changed Samples: 9271364-9271369

Standard Group Forms:

Standard Sample Forms:

Recipients:

DP29Contacts@eurofinsus.com;DP27Contacts@eurofinsus.com;DP36Contacts@eurofinsus.com;DP24Contacts@eurofinsus.com;eddcontacts@eurofinsus.com;

Sample Changes

Sample = 9271364

Collection Date Old = 10/17/2017 11:50:00 New = 10/18/2017 11:50:00

Sample = 9271365

Collection Date Old = 10/17/2017 10:40:00 New = 10/18/2017 10:40:00

Sample = 9271366

Collection Date Old = 10/17/2017 09:15:00 New = 10/18/2017 09:15:00

Sample = 9271367

Collection Date Old = 10/17/2017 07:55:00 New = 10/18/2017 07:55:00

Sample = 9271368

Collection Date Old = 10/17/2017 05:05:00 New = 10/18/2017 05:05:00

Sample = 9271369

Collection Date Old = 10/17/2017 06:30:00 New = 10/18/2017 06:30:00

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 10, 2017 13:16

Project: 96590

Account #: 11260
Group Number: 1865851
PO Number: 0015260504
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
QA-T-171017 NA Water	10/17/2017	9276904
DUP-WD-171017 Grab Groundwater	10/17/2017	9276905
MW-15-W-171017 Grab Groundwater	10/17/2017 10:55	9276906
MW-15-W-171017 Filtered Grab Groundwater	10/17/2017 10:55	9276907
MW-23-W-171017 Grab Groundwater	10/17/2017 12:20	9276908
MW-23-W-171017 Filtered Grab Groundwater	10/17/2017 12:20	9276909
MW-28-W-171017 Grab Groundwater	10/17/2017 09:30	9276910
MW-28-W-171017 Filtered Grab Groundwater	10/17/2017 09:30	9276911
MW-30-W-171017 Grab Groundwater	10/17/2017 05:55	9276912
MW-30-W-171017 Filtered Grab Groundwater	10/17/2017 05:55	9276913
MW-31-W-171017 Grab Groundwater	10/17/2017 07:00	9276914
MW-31-W-171017 Filtered Grab Groundwater	10/17/2017 07:00	9276915
MW-37-W-171017 Grab Groundwater	10/17/2017 04:50	9276916
MW-37-W-171017 Filtered Grab Groundwater	10/17/2017 04:50	9276917
MW-39-W-171017 Grab Groundwater	10/17/2017 08:05	9276918
MW-5-W-171018 Grab Groundwater	10/18/2017 11:50	9276919
MW-5-W-171018 Filtered Grab Groundwater	10/18/2017 11:50	9276920
MW-6-W-171018 Grab Groundwater	10/18/2017 10:40	9276921
MW-6-W-171018 Filtered Grab Groundwater	10/18/2017 10:40	9276922
MW-7-W-171018 Grab Groundwater	10/18/2017 09:15	9276923
MW-7-W-171018 Filtered Grab Groundwater	10/18/2017 09:15	9276924
MW-8-W-171018 Grab Groundwater	10/18/2017 07:55	9276925
MW-8-W-171018 Filtered Grab Groundwater	10/18/2017 07:55	9276926
MW-17-W-171018 Grab Groundwater	10/18/2017 05:05	9276927
MW-17-W-171018 Filtered Grab Groundwater	10/18/2017 05:05	9276928
MW-18-W-171018 Grab Groundwater	10/18/2017 06:30	9276929
MW-18-W-171018 Filtered Grab Groundwater	10/18/2017 06:30	9276930

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: QA-T-171017 NA Water
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276904
ELLE Group #: 1865851
Matrix: Water

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z172983AA	10/25/2017 23:00	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/25/2017 23:00	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 13:11	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 13:11	Brett W Kenyon	1

Sample Description: DUP-WD-171017 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276905
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	37	29	1
08271	Heavy Range Organics C24-C40	n.a.	200	67	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 06:17	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 06:17	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:02	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:02	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	172990039A	10/31/2017 19:33	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx modified	1	172990039A	10/27/2017 16:02	Christine E Gleim	1

Sample Description: MW-15-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276906
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 10:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	45.8	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 06:42	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 06:42	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:30	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:30	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 12:49	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 17:44	Thomas C Wildermuth	1

Sample Description: MW-15-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276906
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 10:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 18:54	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:18	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-15-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276907
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 10:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	2.1	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:22	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:22	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-23-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276908
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 12:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	44.8	30.0	5

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 07:06	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 07:06	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:58	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:58	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:07	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 11:49	Thomas C Wildermuth	1

Sample Description: MW-23-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276908
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 12:20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:16	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:51	Cindy M Gehman	5
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-23-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276909
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 12:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	21.4	6.0	1
07058	Manganese	7439-96-5	1,850	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:29	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:29	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-28-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276910
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 09:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	73.4	30.0	5

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 12:00	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 12:00	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 16:25	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 16:25	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:25	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:12	Thomas C Wildermuth	1

Sample Description: MW-28-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276910
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 09:30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:38	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:55	Cindy M Gehman	5
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-28-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276911
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 09:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.8	6.0	1
07058	Manganese	7439-96-5	703	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:36	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:36	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-30-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276912
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 05:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 11:12	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 11:12	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 17:21	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 17:21	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:34	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:59	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-30-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276912
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 05:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:46	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-30-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276913
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 05:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:49	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-31-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276914
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 07:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 11:36	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 11:36	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 17:48	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 17:48	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:56	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 20:21	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-31-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276914
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 07:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:53	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-31-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276915
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 07:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:56	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-37-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276916
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 04:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	29	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 13:36	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 13:36	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 18:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 18:16	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 13:18	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 20:43	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-37-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276916
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 04:50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:59	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-37-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276917
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 04:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:02	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-39-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276918
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 08:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	55	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:00	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:00	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 18:44	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 18:44	Brett W Kenyon	1

Sample Description: MW-5-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276919
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	130	29	1
08271	Heavy Range Organics C24-C40	n.a.	240	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	17.0	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:25	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:25	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 19:12	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 19:12	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 13:40	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 21:48	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-5-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276919
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 11:50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:20	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-5-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276920
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:42	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-6-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276921
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 10:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	170	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	6.0	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	220	28	1
08271	Heavy Range Organics C24-C40	n.a.	300	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	8.5	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:49	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:49	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 19:39	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 19:39	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:44	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:02	Thomas C Wildermuth	1

Sample Description: MW-6-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276921
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 10:40

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:09	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:46	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-6-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276922
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 10:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.8	6.0	1
07058	Manganese	7439-96-5	670	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 22:57	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-7-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276923
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 09:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	0.6	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	12	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	2,300	250	5
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,000	28	1
08271	Heavy Range Organics C24-C40	n.a.	600	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	510	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	14.9	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 15:13	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 15:13	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17298A94A	10/25/2017 16:17	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	17298A94A	10/25/2017 16:17	Brett W Kenyon	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:02	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:25	Thomas C Wildermuth	1

Sample Description: MW-7-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276923
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 09:15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:31	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:01	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-7-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276924
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 09:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	603	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:05	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:05	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-8-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276925
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 07:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	120	29	1
08271	Heavy Range Organics C24-C40	n.a.	260	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	8.0	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 15:37	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 15:37	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 20:07	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 20:07	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:20	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:47	Thomas C Wildermuth	1

Sample Description: MW-8-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276925
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 07:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:53	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:08	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-8-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276926
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 07:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	22.9	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:12	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:12	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-17-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276927
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 05:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	56	10	20
10945	1,2-Dichloroethane	107-06-2	N.D.	10	20
10945	Ethylbenzene	100-41-4	1,900	10	20
10945	Toluene	108-88-3	2,000	10	20
10945	Xylene (Total)	1330-20-7	7,500	10	20
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	52,000	1,000	20
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	18	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,400	29	1
08271	Heavy Range Organics C24-C40	n.a.	240	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	260	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	17.8	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 18:49	Anthony H Downey	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 18:49	Anthony H Downey	20
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 21:30	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 21:30	Brett W Kenyon	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:38	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173040010A	11/01/2017 17:42	Thomas C Wildermuth	1

Sample Description: MW-17-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276927
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 05:05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173040011A	11/02/2017 18:54	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173040011A	10/31/2017 16:45	Ryan J Dowdy	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173040010A	10/31/2017 16:45	Ryan J Dowdy	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:16	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-17-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276928
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 05:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.7	6.0	1
07058	Manganese	7439-96-5	2,060	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:20	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:20	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-18-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276929
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	89	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	63	28	1
08271	Heavy Range Organics C24-C40	n.a.	270	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	10.7	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 16:01	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 16:01	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 20:35	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 20:35	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:57	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173040010A	11/01/2017 18:04	Thomas C Wildermuth	1

Sample Description: MW-18-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276929
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 06:30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173040011A	11/02/2017 19:16	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173040011A	10/31/2017 16:45	Ryan J Dowdy	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173040010A	10/31/2017 16:45	Ryan J Dowdy	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:24	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-18-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276930
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	141	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:27	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:27	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17297A20A	Sample number(s): 9276904-9276906,9276908,9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276925,9276927,9276929	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 17298A94A	Sample number(s): 9276923	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 172960002A	Sample number(s): 9276906,9276908,9276910,9276921,9276923,9276925,9276927,9276929	
Methane	N.D.	3.0
Batch number: 172990039A	Sample number(s): 9276905	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173000027A	Sample number(s): 9276906,9276908,9276910,9276912,9276914,9276916,9276919,9276921,9276923,9276925	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173040010A	Sample number(s): 9276927,9276929	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173000028A	Sample number(s): 9276906,9276908,9276910,9276912,9276914,9276916,9276919,9276921,9276923,9276925	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Batch number: 173040011A	Sample number(s): 9276927,9276929	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 172960184806	Sample number(s): 9276906-9276917	
Lead	N.D.	6.0
Manganese	N.D.	1.6
Batch number: 172970184801	Sample number(s): 9276919-9276930	
Lead	N.D.	6.0
Manganese	N.D.	1.6

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929								
Benzene	20	19.73			99		78-120		
1,2-Dichloroethane	20	18.26			91		73-124		
Ethylbenzene	20	19.62			98		78-120		
Toluene	20	19.6			98		80-120		
Xylene (Total)	60	58.7			98		80-120		
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908								
Benzene	20	20.33			102		78-120		
1,2-Dichloroethane	20	18.29			91		73-124		
Ethylbenzene	20	19.74			99		78-120		
Toluene	20	20.18			101		80-120		
Xylene (Total)	60	60.48			101		80-120		
Batch number: 17297A20A	Sample number(s): 9276904-9276906,9276908,9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276925,9276927,9276929								
NWTPH-Gx water C7-C12	1100	1026.17	1100	1019.65	93	93	80-120	1	30
Batch number: 17298A94A	Sample number(s): 9276923								
NWTPH-Gx water C7-C12	1100	1107.94	1100	1104.24	101	100	80-120	0	30
Batch number: 172960002A	Sample number(s): 9276906,9276908,9276910,9276921,9276923,9276925,9276927,9276929								
Methane	59.8	62.39	59.8	62.75	104	105	85-115	1	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172990039A Diesel Range Organics C12-C24	1600	865.6	1600	920.22	54	58	50-113	6	20
Batch number: 173000027A Diesel Range Organics C12-C24	1600	1143.66	1600	1135.34	71	71	50-113	1	20
Batch number: 173040010A Diesel Range Organics C12-C24	1600	1108.73	1600	1088.74	69	68	50-113	2	20
Batch number: 173000028A DRO C12-C24 w/Si Gel	1600	1013.29	1600	975.78	63	61	32-117	4	20
Batch number: 173040011A DRO C12-C24 w/Si Gel	1600	1036.07	1600	1081.47	65	68	32-117	4	20
Batch number: 172960184806 Lead	150	146.4			98		80-120		
Manganese	500	497.52			100		80-120		
Batch number: 172970184801 Lead	150	156.21			104		80-120		
Manganese	500	495.51			99		80-120		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929 UNSPK: 9276910									
Benzene	N.D.	20	20.63	20	21.66	103	108	78-120	5	30
1,2-Dichloroethane	N.D.	20	18.8	20	19.58	94	98	73-124	4	30
Ethylbenzene	N.D.	20	20.53	20	21.24	103	106	78-120	3	30
Toluene	N.D.	20	20.85	20	21.38	104	107	80-120	3	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Xylene (Total)	N.D.	60	61.02	60	62.94	102	105	80-120	3	30
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908 UNSPK: P276358									
Benzene	N.D.	20	20.78	20	21.05	104	105	78-120	1	30
1,2-Dichloroethane	N.D.	20	18.52	20	18.64	93	93	73-124	1	30
Ethylbenzene	N.D.	20	20.29	20	20.67	101	103	78-120	2	30
Toluene	N.D.	20	20.89	20	21.2	104	106	80-120	1	30
Xylene (Total)	N.D.	60	62.71	60	63.17	105	105	80-120	1	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 172960184806	Sample number(s): 9276906-9276917 UNSPK: P276852									
Lead	7.17	150	149.04	150	153.94	95	98	75-125	3	20
Manganese	224.88	500	760.05	500	744.08	107	104	75-125	2	20
Batch number: 172970184801	Sample number(s): 9276919-9276930 UNSPK: 9276919, P276919									
Lead	17	150	160.83	150	158.57	96	94	75-125	1	20
Manganese	2588.95	500	3278.05	500	3261.68	138 (2)	135 (2)	75-125	1	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 172960184806	Sample number(s): 9276906-9276917 BKG: P276852			
Lead	7.17	N.D.	200* (1)	20
Manganese	224.88	203.9	10	20
Batch number: 172970184801	Sample number(s): 9276919-9276930 BKG: 9276919, P276919			
Lead	17	21.88	25* (1)	20
Manganese	2588.95	2700.09	4	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: BTEX/EDC
Batch number: D172991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9276910	95	98	100	97
9276912	93	98	101	96
9276914	95	98	101	96
9276916	94	98	100	96
9276918	93	98	100	96
9276919	95	98	100	96
9276921	94	98	101	98
9276923	92	97	102	101
9276925	94	100	100	97
9276927	92	96	101	101
9276929	95	99	100	96
Blank	94	99	99	96
LCS	92	102	102	102
MS	93	98	101	101
MSD	92	99	99	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX/EDC
Batch number: Z172983AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9276904	110	102	98	94
9276905	113	101	99	94
9276906	113	102	98	95
9276908	114	100	98	93
Blank	110	101	99	96
LCS	107	103	100	98
MS	109	101	99	99
MSD	110	100	99	99
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17297A20A

	Trifluorotoluene-F
9276904	90
9276905	88
9276906	88
9276908	88

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17297A20A

	Trifluorotoluene-F
9276910	88
9276912	88
9276914	88
9276916	88
9276918	88
9276919	87
9276921	91
9276925	87
9276927	102
9276929	89
Blank	90
LCS	99
LCSD	98

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17298A94A

	Trifluorotoluene-F
9276923	78
Blank	78
LCS	82
LCSD	81

Limits: 63-135

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 172960002A

	Propene
9276906	82
9276908	82
9276910	80
9276921	78
9276923	82
9276925	86
9276927	87
9276929	81
Blank	102
LCS	101

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 172960002A

Propene

LCSD	102
------	-----

Limits: 44-123

Analysis Name: NWTPH-Dx water

Batch number: 172990039A

Orthoterphenyl

9276905	87
Blank	91
LCS	80
LCSD	87

Limits: 50-150

Analysis Name: NWTPH-Dx water

Batch number: 173000027A

Orthoterphenyl

9276906	89
9276908	90
9276910	87
9276912	93
9276914	92
9276916	92
9276919	88
9276921	96
9276923	91
9276925	85
Blank	87
LCS	99
LCSD	98

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173000028A

Orthoterphenyl

9276906	68
9276908	70
9276910	72

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173000028A

Orthoterphenyl

9276912	77
9276914	77
9276916	62
9276919	74
9276921	76
9276923	78
9276925	69
Blank	67
LCS	80
LCSD	77

Limits: 50-150

Analysis Name: NWTPH-Dx water

Batch number: 173040010A

Orthoterphenyl

9276927	73
9276929	87
Blank	92
LCS	96
LCSD	97

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173040011A

Orthoterphenyl

9276927	72
9276929	75
Blank	78
LCS	79
LCSD	84

Limits: 50-150

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1865851 Sample # 9276904-30

Instructions on reverse side correspond with circled numbers.

10/20/17-01

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks						
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Alex Wong				Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>				Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> EDC (9260) METHANE (RSKOP - 175M) NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B) DISSOLVED LEAD (6010B) DISSOLVED MANGANESE (6010B)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits						
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX	8260	METHANE	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method	DISSOLVED LEAD	DISSOLVED MANGANESE	Remarks	
Date	Time	Date	Time																					
QA		171017	/	X			X		2	X			X											DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.
DUP		171017	/	X			X		8	X	X		X											
MW-15			1055						14	X	X	X	X	X	X						X	X	X	
MW-23			1220						14	↓	↓	↓	↓	↓	↓						↓	↓	↓	
MW-28			0930						14	↓	↓	↓	↓	↓	↓						↓	↓	↓	
MW-30			0555						10	X	X		X	X	X						X	X		
MW-31			0700						10	↓	↓		↓	↓	↓						↓	↓		
MW-37			0450						10	↓	↓		↓	↓	↓						↓	↓		
MW-39			0805						6	X	X		X								X	X		
MW-5		171018	1150						10	X	X		X	X	X						X	X		
MW-6			1040						14	X	X	X	X	X	X						X	X	X	
MW-7			0915						14	↓	↓		↓	↓	↓						↓	↓		
MW-8			0755						14	↓	↓		↓	↓	↓						↓	↓		
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by				Date		Time		Received by				Date		Time						
Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				<i>[Signature]</i>				10/20/17		16:00		<i>[Signature]</i>				10/20/17		9:40						
8 Data Package (circle if required)				Relinquished by Commercial Carrier:				Date		Time		Received by				Date		Time						
Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other:				UPS _____ FedEx _____ Other _____		Temperature Upon Receipt <u>0.49.2 °C</u>		<i>[Signature]</i>				10-21-17		1000						
												Custody Seals Intact? Yes No												

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260
102017-01

For Eurofins Lancaster Laboratories use only.
 Lab # 1865851 Sample # 9276904-30
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks						
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94588 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Alex Wong				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 <input checked="" type="checkbox"/> EDC (8260) METHANE (RSKOP-17SM) NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B) DISSOLVED LEAD (6010B) DISSOLVED MANGANESE (6010B)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits						
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260	EDC (8260)	METHANE (RSKOP-17SM)	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method (6010B)	DISSOLVED LEAD (6010B)	DISSOLVED MANGANESE (6010B)	Remarks
Date	Time	Date	Time																					
MW-17	17/10/18	0505	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.
MW-18	↓	0630	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by _____ Date _____ Time _____ Relinquished by Taf Shropshire Date 10/20/17 Time 16:00 Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____				Received by _____ Date 10/20/17 Time 9:40 Received by FE Date _____ Time _____ Received by EDD Date 10/21/17 Time 1:00				Temperature Upon Receipt 04-2.2 °C Custody Seals Intact? (Yes) No												
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____				Date _____ Time _____		Date _____ Time _____		Date _____ Time _____		Date _____ Time _____										



Client: California Office

Delivery and Receipt Information

Delivery Method: BASC Arrival Timestamp: 10/21/2017 10:00
 Number of Packages: 7 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2-40 mL (HCl), 2-40 mL (Unpre)

Unpacked by Melvin Sanchez (8943) at 14:20 on 10/21/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.4	DT	Wet	Y	Bagged	N
2	DT131	2.0	DT	Wet	Y	Bagged	N
3	DT131	1.6	DT	Wet	Y	Bagged	N
4	DT131	1.1	DT	Wet	Y	Bagged	N
5	DT131	2.2	DT	Wet	Y	Bagged	N
6	DT131	0.4	DT	Wet	Y	Bagged	N

General Comments: Received Metals Batch QC for MW-23

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 10, 2017 13:16

Project: 96590

Account #: 11260
Group Number: 1865851
PO Number: 0015260504
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
QA-T-171017 NA Water	10/17/2017	9276904
DUP-WD-171017 Grab Groundwater	10/17/2017	9276905
MW-15-W-171017 Grab Groundwater	10/17/2017 10:55	9276906
MW-15-W-171017 Filtered Grab Groundwater	10/17/2017 10:55	9276907
MW-23-W-171017 Grab Groundwater	10/17/2017 12:20	9276908
MW-23-W-171017 Filtered Grab Groundwater	10/17/2017 12:20	9276909
MW-28-W-171017 Grab Groundwater	10/17/2017 09:30	9276910
MW-28-W-171017 Filtered Grab Groundwater	10/17/2017 09:30	9276911
MW-30-W-171017 Grab Groundwater	10/17/2017 05:55	9276912
MW-30-W-171017 Filtered Grab Groundwater	10/17/2017 05:55	9276913
MW-31-W-171017 Grab Groundwater	10/17/2017 07:00	9276914
MW-31-W-171017 Filtered Grab Groundwater	10/17/2017 07:00	9276915
MW-37-W-171017 Grab Groundwater	10/17/2017 04:50	9276916
MW-37-W-171017 Filtered Grab Groundwater	10/17/2017 04:50	9276917
MW-39-W-171017 Grab Groundwater	10/17/2017 08:05	9276918
MW-5-W-171018 Grab Groundwater	10/18/2017 11:50	9276919
MW-5-W-171018 Filtered Grab Groundwater	10/18/2017 11:50	9276920
MW-6-W-171018 Grab Groundwater	10/18/2017 10:40	9276921
MW-6-W-171018 Filtered Grab Groundwater	10/18/2017 10:40	9276922
MW-7-W-171018 Grab Groundwater	10/18/2017 09:15	9276923
MW-7-W-171018 Filtered Grab Groundwater	10/18/2017 09:15	9276924
MW-8-W-171018 Grab Groundwater	10/18/2017 07:55	9276925
MW-8-W-171018 Filtered Grab Groundwater	10/18/2017 07:55	9276926
MW-17-W-171018 Grab Groundwater	10/18/2017 05:05	9276927
MW-17-W-171018 Filtered Grab Groundwater	10/18/2017 05:05	9276928
MW-18-W-171018 Grab Groundwater	10/18/2017 06:30	9276929
MW-18-W-171018 Filtered Grab Groundwater	10/18/2017 06:30	9276930

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: QA-T-171017 NA Water
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276904
ELLE Group #: 1865851
Matrix: Water

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z172983AA	10/25/2017 23:00	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/25/2017 23:00	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 13:11	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 13:11	Brett W Kenyon	1

Sample Description: DUP-WD-171017 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276905
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	37	29	1
08271	Heavy Range Organics C24-C40	n.a.	200	67	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 06:17	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 06:17	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:02	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:02	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	172990039A	10/31/2017 19:33	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx modified	1	172990039A	10/27/2017 16:02	Christine E Gleim	1

Sample Description: MW-15-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276906
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 10:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	45.8	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 06:42	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 06:42	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:30	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:30	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 12:49	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 17:44	Thomas C Wildermuth	1

Sample Description: MW-15-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276906
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 10:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 18:54	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:18	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-15-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276907
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 10:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	2.1	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:22	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:22	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-23-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276908
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 12:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	44.8	30.0	5

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	Z172983AA	10/26/2017 07:06	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172983AA	10/26/2017 07:06	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 15:58	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 15:58	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:07	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 11:49	Thomas C Wildermuth	1

Sample Description: MW-23-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276908
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 12:20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:16	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:51	Cindy M Gehman	5
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-23-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276909
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 12:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	21.4	6.0	1
07058	Manganese	7439-96-5	1,850	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:29	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:29	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-28-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276910
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 09:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	73.4	30.0	5

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 12:00	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 12:00	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 16:25	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 16:25	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:25	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:12	Thomas C Wildermuth	1

Sample Description: MW-28-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276910
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 09:30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:38	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:55	Cindy M Gehman	5
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-28-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276911
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 09:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.8	6.0	1
07058	Manganese	7439-96-5	703	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:36	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	172960184806	10/24/2017 19:36	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-30-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276912
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 05:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 11:12	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 11:12	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 17:21	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 17:21	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:34	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 19:59	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-30-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276912
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 05:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:46	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-30-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276913
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 05:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:49	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-31-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276914
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 07:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 11:36	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 11:36	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 17:48	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 17:48	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 12:56	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 20:21	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-31-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276914
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 07:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:53	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-31-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276915
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 07:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:56	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-37-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276916
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 04:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	29	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 13:36	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 13:36	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 18:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 18:16	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 13:18	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 20:43	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-37-W-171017 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276916
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 04:50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 19:59	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-37-W-171017 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276917
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/17/2017 04:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172960184806	10/24/2017 20:02	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172960184806	10/24/2017 08:05	Lisa J Cooke	1

Sample Description: MW-39-W-171017 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276918
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/17/2017 08:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	55	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:00	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:00	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 18:44	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 18:44	Brett W Kenyon	1

Sample Description: MW-5-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276919
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	130	29	1
08271	Heavy Range Organics C24-C40	n.a.	240	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	17.0	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:25	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:25	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 19:12	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 19:12	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 13:40	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 21:48	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1

Sample Description: MW-5-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276919
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 11:50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:20	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-5-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276920
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:42	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-6-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276921
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 10:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	170	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	6.0	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	220	28	1
08271	Heavy Range Organics C24-C40	n.a.	300	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	8.5	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 14:49	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 14:49	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 19:39	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 19:39	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 13:44	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:02	Thomas C Wildermuth	1

Sample Description: MW-6-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276921
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 10:40

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:09	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:46	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-6-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276922
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 10:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.8	6.0	1
07058	Manganese	7439-96-5	670	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 22:57	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-7-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276923
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 09:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	0.6	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	12	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	2,300	250	5
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,000	28	1
08271	Heavy Range Organics C24-C40	n.a.	600	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	510	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	14.9	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 15:13	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 15:13	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17298A94A	10/25/2017 16:17	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	17298A94A	10/25/2017 16:17	Brett W Kenyon	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:02	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:25	Thomas C Wildermuth	1

Sample Description: MW-7-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276923
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 09:15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:31	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:01	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-7-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276924
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 09:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	603	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:05	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:05	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-8-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276925
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 07:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	120	29	1
08271	Heavy Range Organics C24-C40	n.a.	260	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	8.0	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 15:37	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 15:37	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 20:07	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 20:07	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:20	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173000027A	10/31/2017 14:47	Thomas C Wildermuth	1

Sample Description: MW-8-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276925
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 07:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173000028A	11/02/2017 22:53	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173000028A	10/30/2017 08:00	Kayla A Yuditsky	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173000027A	10/30/2017 08:00	Kayla A Yuditsky	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:08	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-8-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276926
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 07:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	22.9	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:12	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:12	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-17-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276927
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 05:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	56	10	20
10945	1,2-Dichloroethane	107-06-2	N.D.	10	20
10945	Ethylbenzene	100-41-4	1,900	10	20
10945	Toluene	108-88-3	2,000	10	20
10945	Xylene (Total)	1330-20-7	7,500	10	20
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	52,000	1,000	20
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	18	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,400	29	1
08271	Heavy Range Organics C24-C40	n.a.	240	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	260	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	17.8	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 18:49	Anthony H Downey	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 18:49	Anthony H Downey	20
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 21:30	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 21:30	Brett W Kenyon	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:38	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173040010A	11/01/2017 17:42	Thomas C Wildermuth	1

Sample Description: MW-17-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276927
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 05:05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173040011A	11/02/2017 18:54	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173040011A	10/31/2017 16:45	Ryan J Dowdy	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173040010A	10/31/2017 16:45	Ryan J Dowdy	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:16	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-17-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276928
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 05:05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.7	6.0	1
07058	Manganese	7439-96-5	2,060	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:20	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:20	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-18-W-171018 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9276929
ELLE Group #: 1865851
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
Collection Date/Time: 10/18/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	89	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	63	28	1
08271	Heavy Range Organics C24-C40	n.a.	270	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	10.7	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D172991AA	10/26/2017 16:01	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D172991AA	10/26/2017 16:01	Anthony H Downey	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17297A20A	10/24/2017 20:35	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17297A20A	10/24/2017 20:35	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	172960002A	10/23/2017 14:57	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173040010A	11/01/2017 18:04	Thomas C Wildermuth	1

Sample Description: MW-18-W-171018 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276929
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 06:30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173040011A	11/02/2017 19:16	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173040011A	10/31/2017 16:45	Ryan J Dowdy	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173040010A	10/31/2017 16:45	Ryan J Dowdy	1
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:24	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Sample Description: MW-18-W-171018 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9276930
 ELLE Group #: 1865851
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 10/21/2017 10:00
 Collection Date/Time: 10/18/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	141	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	172970184801	10/26/2017 23:27	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010B	1	172970184801	10/26/2017 23:27	Elaine F Stoltzfus	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	172970184801	10/25/2017 05:02	James L Mertz	1

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17297A20A	Sample number(s): 9276904-9276906,9276908,9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276925,9276927,9276929	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 17298A94A	Sample number(s): 9276923	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 172960002A	Sample number(s): 9276906,9276908,9276910,9276921,9276923,9276925,9276927,9276929	
Methane	N.D.	3.0
Batch number: 172990039A	Sample number(s): 9276905	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173000027A	Sample number(s): 9276906,9276908,9276910,9276912,9276914,9276916,9276919,9276921,9276923,9276925	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173040010A	Sample number(s): 9276927,9276929	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173000028A	Sample number(s): 9276906,9276908,9276910,9276912,9276914,9276916,9276919,9276921,9276923,9276925	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Batch number: 173040011A	Sample number(s): 9276927,9276929	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 172960184806	Sample number(s): 9276906-9276917	
Lead	N.D.	6.0
Manganese	N.D.	1.6
Batch number: 172970184801	Sample number(s): 9276919-9276930	
Lead	N.D.	6.0
Manganese	N.D.	1.6

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929								
Benzene	20	19.73			99		78-120		
1,2-Dichloroethane	20	18.26			91		73-124		
Ethylbenzene	20	19.62			98		78-120		
Toluene	20	19.6			98		80-120		
Xylene (Total)	60	58.7			98		80-120		
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908								
Benzene	20	20.33			102		78-120		
1,2-Dichloroethane	20	18.29			91		73-124		
Ethylbenzene	20	19.74			99		78-120		
Toluene	20	20.18			101		80-120		
Xylene (Total)	60	60.48			101		80-120		
Batch number: 17297A20A	Sample number(s): 9276904-9276906,9276908,9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276925,9276927,9276929								
NWTPH-Gx water C7-C12	1100	1026.17	1100	1019.65	93	93	80-120	1	30
Batch number: 17298A94A	Sample number(s): 9276923								
NWTPH-Gx water C7-C12	1100	1107.94	1100	1104.24	101	100	80-120	0	30
Batch number: 172960002A	Sample number(s): 9276906,9276908,9276910,9276921,9276923,9276925,9276927,9276929								
Methane	59.8	62.39	59.8	62.75	104	105	85-115	1	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172990039A Diesel Range Organics C12-C24	1600	865.6	1600	920.22	54	58	50-113	6	20
Batch number: 173000027A Diesel Range Organics C12-C24	1600	1143.66	1600	1135.34	71	71	50-113	1	20
Batch number: 173040010A Diesel Range Organics C12-C24	1600	1108.73	1600	1088.74	69	68	50-113	2	20
Batch number: 173000028A DRO C12-C24 w/Si Gel	1600	1013.29	1600	975.78	63	61	32-117	4	20
Batch number: 173040011A DRO C12-C24 w/Si Gel	1600	1036.07	1600	1081.47	65	68	32-117	4	20
Batch number: 172960184806 Lead	150	146.4			98		80-120		
Manganese	500	497.52			100		80-120		
Batch number: 172970184801 Lead	150	156.21			104		80-120		
Manganese	500	495.51			99		80-120		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D172991AA	Sample number(s): 9276910,9276912,9276914,9276916,9276918-9276919,9276921,9276923,9276925,9276927,9276929 UNSPK: 9276910									
Benzene	N.D.	20	20.63	20	21.66	103	108	78-120	5	30
1,2-Dichloroethane	N.D.	20	18.8	20	19.58	94	98	73-124	4	30
Ethylbenzene	N.D.	20	20.53	20	21.24	103	106	78-120	3	30
Toluene	N.D.	20	20.85	20	21.38	104	107	80-120	3	30

*- Outside of specification

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Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Xylene (Total)	N.D.	60	61.02	60	62.94	102	105	80-120	3	30
Batch number: Z172983AA	Sample number(s): 9276904-9276906,9276908 UNSPK: P276358									
Benzene	N.D.	20	20.78	20	21.05	104	105	78-120	1	30
1,2-Dichloroethane	N.D.	20	18.52	20	18.64	93	93	73-124	1	30
Ethylbenzene	N.D.	20	20.29	20	20.67	101	103	78-120	2	30
Toluene	N.D.	20	20.89	20	21.2	104	106	80-120	1	30
Xylene (Total)	N.D.	60	62.71	60	63.17	105	105	80-120	1	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 172960184806	Sample number(s): 9276906-9276917 UNSPK: P276852									
Lead	7.17	150	149.04	150	153.94	95	98	75-125	3	20
Manganese	224.88	500	760.05	500	744.08	107	104	75-125	2	20
Batch number: 172970184801	Sample number(s): 9276919-9276930 UNSPK: 9276919, P276919									
Lead	17	150	160.83	150	158.57	96	94	75-125	1	20
Manganese	2588.95	500	3278.05	500	3261.68	138 (2)	135 (2)	75-125	1	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 172960184806	Sample number(s): 9276906-9276917 BKG: P276852			
Lead	7.17	N.D.	200* (1)	20
Manganese	224.88	203.9	10	20
Batch number: 172970184801	Sample number(s): 9276919-9276930 BKG: 9276919, P276919			
Lead	17	21.88	25* (1)	20
Manganese	2588.95	2700.09	4	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: BTEX/EDC
Batch number: D172991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9276910	95	98	100	97
9276912	93	98	101	96
9276914	95	98	101	96
9276916	94	98	100	96
9276918	93	98	100	96
9276919	95	98	100	96
9276921	94	98	101	98
9276923	92	97	102	101
9276925	94	100	100	97
9276927	92	96	101	101
9276929	95	99	100	96
Blank	94	99	99	96
LCS	92	102	102	102
MS	93	98	101	101
MSD	92	99	99	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX/EDC
Batch number: Z172983AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9276904	110	102	98	94
9276905	113	101	99	94
9276906	113	102	98	95
9276908	114	100	98	93
Blank	110	101	99	96
LCS	107	103	100	98
MS	109	101	99	99
MSD	110	100	99	99
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17297A20A

	Trifluorotoluene-F
9276904	90
9276905	88
9276906	88
9276908	88

*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17297A20A

	Trifluorotoluene-F
9276910	88
9276912	88
9276914	88
9276916	88
9276918	88
9276919	87
9276921	91
9276925	87
9276927	102
9276929	89
Blank	90
LCS	99
LCSD	98

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17298A94A

	Trifluorotoluene-F
9276923	78
Blank	78
LCS	82
LCSD	81

Limits: 63-135

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 172960002A

	Propene
9276906	82
9276908	82
9276910	80
9276921	78
9276923	82
9276925	86
9276927	87
9276929	81
Blank	102
LCS	101

*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 172960002A

Propene

LCSD	102
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Limits: 44-123

Analysis Name: NWTPH-Dx water

Batch number: 172990039A

Orthoterphenyl

9276905	87
Blank	91
LCS	80
LCSD	87

Limits: 50-150

Analysis Name: NWTPH-Dx water

Batch number: 173000027A

Orthoterphenyl

9276906	89
9276908	90
9276910	87
9276912	93
9276914	92
9276916	92
9276919	88
9276921	96
9276923	91
9276925	85
Blank	87
LCS	99
LCSD	98

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173000028A

Orthoterphenyl

9276906	68
9276908	70
9276910	72

*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 11/10/2017 13:16

Group Number: 1865851

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173000028A

Orthoterphenyl

9276912	77
9276914	77
9276916	62
9276919	74
9276921	76
9276923	78
9276925	69
Blank	67
LCS	80
LCSD	77

Limits: 50-150

Analysis Name: NWTPH-Dx water

Batch number: 173040010A

Orthoterphenyl

9276927	73
9276929	87
Blank	92
LCS	96
LCSD	97

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173040011A

Orthoterphenyl

9276927	72
9276929	75
Blank	78
LCS	79
LCSD	84

Limits: 50-150

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1865851 Sample # 9276904-30

Instructions on reverse side correspond with circled numbers.

10/20/17-01

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks					
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM ER Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Alex Wong				Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Oil <input type="checkbox"/> Ground <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Surface <input type="checkbox"/>				Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> EDC (9260) METHANE (RSKOP - 175M) NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B) DISSOLVED LEAD (6010B) DISSOLVED MANGANESE (6010B)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits					
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX	8260	METHANE	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method	DISSOLVED LEAD	DISSOLVED MANGANESE	
Date	Time																						
QA	171017			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		2	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>										
DUP	171017			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		8	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>										
MW-15		1055							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-23		1220							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-28		0930							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-30		0555							10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-31		0700							10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-37		0450							10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-39		0805							6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-5	171018	1150							10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-6		1040							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-7		0915							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-8		0755							14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="checkbox"/> 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by _____ Date _____ Time _____ Relinquished by _____ Date 10/20/17 Time 1600				Received by H. J. [Signature] Date 10/20/17 Time 940				Received by FE Date 10-21-17 Time 1000											
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____ Temperature Upon Receipt 0.42.2 °C				Received by _____ Date _____ Time _____ Custody Seals Intact? <input checked="" type="checkbox"/> Yes No				Date _____ Time _____											

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260
102017-01

For Eurofins Lancaster Laboratories use only.
Client # 1865851 Sample # 9276904-30
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks							
Facility # SS#9-6590-OML G-R#17156610 WBS Site Address 232 East Woodin Avenue, CHELAN, WA Chevron PM ER LEIDOSRS Lead Consultant Russell Shropshire Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568 Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com) Consultant Phone # (925) 551-7444 x180 Sampler Alex Wong				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 <input checked="" type="checkbox"/> EDC (8260) METHANE (RSKOP-17SM) NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method (6010B) DISSOLVED LEAD (6010B) DISSOLVED MANGANESE (6010B)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits							
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260	Naphth	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method	(6010B)	DISSOLVED LEAD (6010B)	DISSOLVED MANGANESE (6010B)	Remarks	
Date	Time	Date	Time																					Remarks	Remarks
MW-17		17/10/18	0505	X			X		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.	
MW-18		↓	0630	↓					↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour EDF/EDD 24 hour				Relinquished by _____ Date _____ Time _____ Relinquished by Taf Shropshire Date 10/20/17 Time 16:00 Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____				Received by _____ Date 10/20/17 Time 9:40 Received by FE Date _____ Time _____ Received by EDD Date 10/21/17 Time 10:00				Temperature Upon Receipt 04-2.2 °C Custody Seals Intact? (Yes) No													
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____				Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____		Received by _____ Date _____ Time _____		Temperature Upon Receipt _____ °C Custody Seals Intact? _____		Remarks											



Client: California Office

Delivery and Receipt Information

Delivery Method: BASC Arrival Timestamp: 10/21/2017 10:00
 Number of Packages: 7 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2-40 mL (HCl), 2-40 mL (Unpre)

Unpacked by Melvin Sanchez (8943) at 14:20 on 10/21/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.4	DT	Wet	Y	Bagged	N
2	DT131	2.0	DT	Wet	Y	Bagged	N
3	DT131	1.6	DT	Wet	Y	Bagged	N
4	DT131	1.1	DT	Wet	Y	Bagged	N
5	DT131	2.2	DT	Wet	Y	Bagged	N
6	DT131	0.4	DT	Wet	Y	Bagged	N

General Comments: Received Metals Batch QC for MW-23

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: December 29, 2017 15:37

Project: 96590

Account #: 11260
Group Number: 1884861
PO Number: 0015260504
Release Number: ROEHL
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
QA-T-171204 NA Water	12/04/2017	9358856
MW-5-W-171204 Grab Groundwater	12/04/2017 07:35	9358857
MW-5-W-171204 Filtered Grab Groundwater	12/04/2017 07:35	9358858
MW-6-W-171204 Grab Groundwater	12/04/2017 12:40	9358859
MW-6-W-171204 Filtered Grab Groundwater	12/04/2017 12:40	9358860
MW-7-W-171204 Grab Groundwater	12/04/2017 14:00	9358861
MW-7-W-171204 Filtered Grab Groundwater	12/04/2017 14:00	9358862
MW-8-W-171204 Grab Groundwater	12/04/2017 11:20	9358863
MW-8-W-171204 Filtered Grab Groundwater	12/04/2017 11:20	9358864
MW-15-W-171204 Grab Groundwater	12/04/2017 10:00	9358865
MW-15-W-171204 Filtered Grab Groundwater	12/04/2017 10:00	9358866
MW-17-W-171205 Grab Groundwater	12/05/2017 05:35	9358867
MW-17-W-171205 Filtered Grab Groundwater	12/05/2017 05:35	9358868
MW-18-W-171205 Grab Groundwater	12/05/2017 06:55	9358869
MW-18-W-171205 Filtered Grab Groundwater	12/05/2017 06:55	9358870
MW-23-W-171205 Grab Groundwater	12/05/2017 08:15	9358871
MW-23-W-171205 Filtered Grab Groundwater	12/05/2017 08:15	9358872
MW-28-W-171205 Grab Groundwater	12/05/2017 09:35	9358873
MW-28-W-171205 Filtered Grab Groundwater	12/05/2017 09:35	9358874
MW-30-W-171204 Grab Groundwater	12/04/2017 04:20	9358875
MW-30-W-171204 Filtered Grab Groundwater	12/04/2017 04:20	9358876
MW-31-W-171204 Grab Groundwater	12/04/2017 05:25	9358877
MW-31-W-171204 Filtered Grab Groundwater	12/04/2017 05:25	9358878
MW-37-W-171204 Grab Groundwater	12/04/2017 06:30	9358879
MW-37-W-171204 Filtered Grab Groundwater	12/04/2017 06:30	9358880
MW-39-W-171204 Grab Groundwater	12/04/2017 08:20	9358881
DUP-WD-171204 Grab Groundwater	12/04/2017	9358882

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: QA-T-171204 NA Water
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358856
 ELLE Group #: 1884861
 Matrix: Water

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	D173461AA	12/12/2017 20:06	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/12/2017 20:06	Hu Yang	1

Sample Description: MW-5-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358857
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 07:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	140	29	1
08271	Heavy Range Organics C24-C40	n.a.	190	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	71	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	39.4	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/12/2017 22:54	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/12/2017 22:54	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 18:56	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 18:56	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 13:46	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 02:40	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1

Sample Description: MW-5-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358857
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 07:35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:39	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-5-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358858
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 07:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:43	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-6-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358859
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 12:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	220	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	5.3	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	72	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%. The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	277,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/12/2017 23:19	Hu Yang	1

Sample Description: MW-6-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358859
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 12:40

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/12/2017 23:19	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 19:24	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 19:24	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 15:07	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 14:07	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 03:01	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:53	Cindy M Gehman	1
01848	ICP-WWW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 05:40	Jeremy L Bolf	1

Sample Description: MW-6-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358860
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 12:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	773	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:56	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 10:56	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-7-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358861
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 14:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	9	0.5	1
10945	Toluene	108-88-3	0.9	0.5	1
10945	Xylene (Total)	1330-20-7	230	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	11,000	250	5
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	13,000	1,400	50
08271	Heavy Range Organics C24-C40	n.a.	N.D.	3,300	50
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	18,000	290	10
12005	HRO C24-C40 w/Si Gel	n.a.	1,200	670	10
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	20.7	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/12/2017 23:43	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/12/2017 23:43	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/13/2017 00:57	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/13/2017 00:57	Brett W Kenyon	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 15:22	Johanna C Kennedy	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 17:41	Thomas C Wildermuth	50

Sample Description: MW-7-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358861
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 14:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/18/2017 21:58	Thomas C Wildermuth	10
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:59	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-7-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358862
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 14:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	8.3	6.0	1
07058	Manganese	7439-96-5	2,600	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:03	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:03	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-8-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358863
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 11:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	110	29	1
08271	Heavy Range Organics C24-C40	n.a.	200	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	42.1	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	228,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 00:07	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 00:07	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 19:51	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 19:51	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 15:38	Johanna C Kennedy	1

Sample Description: MW-8-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358863
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 11:20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 14:28	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 03:44	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:06	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 05:27	Jeremy L Bolf	1

Sample Description: MW-8-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358864
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 11:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.1	6.0	1
07058	Manganese	7439-96-5	257	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:10	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:10	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-15-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358865
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 10:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	140	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	30	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	69	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	48.2	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	178,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 00:31	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 00:31	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 20:19	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 20:19	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 15:53	Johanna C Kennedy	1

Sample Description: MW-15-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358865
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 10:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 14:50	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 04:06	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:13	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 05:21	Jeremy L Bolf	1

Sample Description: MW-15-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358866
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 10:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.9	6.0	1
07058	Manganese	7439-96-5	233	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:17	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:17	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-17-W-171205 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358867
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/05/2017 05:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	57	10	20
10945	1,2-Dichloroethane	107-06-2	N.D.	10	20
10945	Ethylbenzene	100-41-4	2,100	10	20
10945	Toluene	108-88-3	1,200	10	20
10945	Xylene (Total)	1330-20-7	7,000	10	20
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	55,000	1,000	20
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	23	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	1,800	29	1
08271	Heavy Range Organics C24-C40	n.a.	280	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	290	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	15.1	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	388,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 04:31	Hu Yang	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 04:31	Hu Yang	20
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/13/2017 01:24	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/13/2017 01:24	Brett W Kenyon	20
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 16:08	Johanna C Kennedy	1

Sample Description: MW-17-W-171205 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358867
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 05:35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 15:11	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 04:27	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:20	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205B	12/14/2017 04:51	Jeremy L Bolf	1

Sample Description: MW-17-W-171205 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358868
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 05:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	6.3	6.0	1
07058	Manganese	7439-96-5	1,990	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:23	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:23	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-18-W-171205 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358869
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/05/2017 06:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	55	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	110	29	1
08271	Heavy Range Organics C24-C40	n.a.	440	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	33	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	110	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	13.5	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	228,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 00:55	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 00:55	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 20:47	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 20:47	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 16:24	Johanna C Kennedy	1

Sample Description: MW-18-W-171205 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358869
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 06:55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 15:33	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 05:53	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:33	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 04:31	Jeremy L Bolf	1

Sample Description: MW-18-W-171205 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358870
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 06:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	187	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:37	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:37	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-23-W-171205 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358871
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/05/2017 08:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	23.9	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	149,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 01:19	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 01:19	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 21:42	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 21:42	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 16:39	Johanna C Kennedy	1

Sample Description: MW-23-W-171205 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358871
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 08:15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 16:37	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 04:49	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:40	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 05:34	Jeremy L Bolf	1

Sample Description: MW-23-W-171205 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358872
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 08:15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	101	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 10:19	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 10:19	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-28-W-171205 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358873
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/05/2017 09:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Miscellaneous					
		RSKSOP-175 modified	ug/l	ug/l	
07105	Methane	74-82-8	N.D.	3.0	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	30	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	15.2	6.0	1
Wet Chemistry					
		SM 2320 B-1997	ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	189,000	1,700	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 01:43	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 01:43	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 22:10	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 22:10	Brett W Kenyon	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	173450004A	12/11/2017 16:54	Johanna C Kennedy	1

Sample Description: MW-28-W-171205 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358873
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 09:35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 16:58	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 05:10	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:43	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-1997	1	17347002205A	12/14/2017 05:05	Jeremy L Bolf	1

Sample Description: MW-28-W-171205 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358874
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/05/2017 09:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1
07058	Manganese	7439-96-5	N.D.	1.6	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:47	Cindy M Gehman	1
07058	Manganese	SW-846 6010B	1	173460184803	12/13/2017 11:47	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-30-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358875
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 04:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	200	29	1
08271	Heavy Range Organics C24-C40	n.a.	150	67	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 02:07	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 02:07	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 22:38	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 22:38	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173460033A	12/18/2017 17:20	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173460032A	12/15/2017 05:31	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173460032A	12/12/2017 21:40	Karen L Beyer	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173460033A	12/12/2017 21:40	Karen L Beyer	1

Sample Description: MW-30-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358875
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20

Collection Date/Time: 12/04/2017 04:20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173480184801	12/18/2017 16:55	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173480184801	12/17/2017 21:00	Annamaria Kuhns	1

Sample Description: MW-30-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358876
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 04:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173480184801	12/18/2017 17:27	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173480184801	12/17/2017 21:00	Annamaria Kuhns	1

Sample Description: MW-31-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358877
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 05:25

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	150	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 02:31	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 02:31	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17346A53A	12/12/2017 23:05	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17346A53A	12/12/2017 23:05	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/19/2017 04:02	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173480029A	12/22/2017 14:24	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173480029A	12/15/2017 08:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173480030A	12/15/2017 08:00	Bradley W VanLeuven	1

Sample Description: MW-31-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358877
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 05:25

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173480184801	12/18/2017 17:30	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173480184801	12/17/2017 21:00	Annamaria Kuhns	1

Sample Description: MW-31-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358878
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 05:25

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173480184801	12/18/2017 17:33	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173480184801	12/17/2017 21:00	Annamaria Kuhns	1

Sample Description: MW-37-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358879
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 02:55	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 02:55	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17348A53A	12/14/2017 13:42	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17348A53A	12/14/2017 13:42	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/19/2017 04:23	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173480029A	12/22/2017 14:45	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	173480029A	12/15/2017 08:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	173480030A	12/15/2017 08:00	Bradley W VanLeuven	1

Sample Description: MW-37-W-171204 Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358879
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 06:30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:50	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-37-W-171204 Filtered Grab Groundwater
 Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
 ELLE Sample #: WW 9358880
 ELLE Group #: 1884861
 Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
 Collection Date/Time: 12/04/2017 06:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
		SW-846 6010B	ug/l	ug/l	
07055	Lead	7439-92-1	N.D.	6.0	1

Sample Comments

State of Washington Lab Certification No. C457
 This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	173460184803	12/13/2017 11:54	Cindy M Gehman	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	173460184803	12/12/2017 23:30	Annamaria Kuhns	1

Sample Description: MW-39-W-171204 Grab Groundwater
Facility# 96590 Job# 17156610
232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358881
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submittal Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017 08:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	85	31	1
08271	Heavy Range Organics C24-C40	n.a.	150	71	1
GC Petroleum Hydrocarbons w/Si		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	97	71	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 03:19	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 03:19	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17348A53A	12/14/2017 14:10	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17348A53A	12/14/2017 14:10	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/19/2017 04:44	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	173480029A	12/22/2017 15:07	Amy Lehr	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx modified	1	173480029A	12/15/2017 08:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/15/2017 08:00	Bradley W VanLeuven	1

Sample Description: DUP-WD-171204 Grab Groundwater
Facility# 96590 Job# 17156610
 232 East Woodin Avenue - Chelan, WA

Chevron
ELLE Sample #: WW 9358882
ELLE Group #: 1884861
Matrix: Groundwater

Project Name: 96590

Submission Date/Time: 12/08/2017 09:20
Collection Date/Time: 12/04/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	82	50	1
GC Petroleum Hydrocarbons		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/EDC	SW-846 8260B	1	D173461AA	12/13/2017 03:43	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D173461AA	12/13/2017 03:43	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	17348A53A	12/14/2017 14:38	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17348A53A	12/14/2017 14:38	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/19/2017 05:06	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx modified	1	173480030A	12/15/2017 08:00	Bradley W VanLeuven	1

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: D173461AA	Sample number(s): 9358856-9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875,9358877,9358879,9358881-9358882	
Benzene	N.D.	0.5
1,2-Dichloroethane	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17346A53A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875,9358877	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 17348A53A	Sample number(s): 9358879,9358881-9358882	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 173450004A	Sample number(s): 9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873	
Methane	N.D.	3.0
Batch number: 173460033A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173480030A	Sample number(s): 9358877,9358879,9358881-9358882	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 173460032A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 173480029A	Sample number(s): 9358877,9358879,9358881	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 173460184803	Sample number(s): 9358857-9358874,9358879-9358880	
Lead	N.D.	6.0
Manganese	N.D.	1.6
Batch number: 173480184801	Sample number(s): 9358875-9358878	
Lead	N.D.	6.0

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Method Blank (continued)

Analysis Name	Result ug/l as CaCO3	MDL ug/l as CaCO3
Batch number: 17347002205A Total Alkalinity to pH 4.5	N.D.	1,700
Batch number: 17347002205B Total Alkalinity to pH 4.5	N.D.	1,700

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D173461AA	Sample number(s): 9358856-9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875,9358877,9358879,9358881-9358882								
Benzene	20	18.2			91		78-120		
1,2-Dichloroethane	20	16.75			84		73-124		
Ethylbenzene	20	18.75			94		78-120		
Toluene	20	18.79			94		80-120		
Xylene (Total)	60	56.65			94		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17346A53A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875,9358877								
NWTPH-Gx water C7-C12	1100	1041.42	1100	1010.73	95	92	80-120	3	30
Batch number: 17348A53A	Sample number(s): 9358879,9358881-9358882								
NWTPH-Gx water C7-C12	1100	1044.14	1100	1024.09	95	93	80-120	2	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 173450004A	Sample number(s): 9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873								
Methane	59.8	62.41	59.8	59.27	104	99	85-115	5	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 173460033A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875								
Diesel Range Organics C12-C24	1610	1487.63	1610	1446.99	92	90	50-113	3	20
Batch number: 173480030A	Sample number(s): 9358877,9358879,9358881-9358882								
Diesel Range Organics C12-C24	1610	1030.19	1610	1036.54	64	64	50-113	1	20
	ug/l	ug/l	ug/l	ug/l					

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 173460032A	Sample number(s): 9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875								
DRO C12-C24 w/Si Gel	1610	926	1610	955.39	58	59	32-117	3	20
Batch number: 173480029A	Sample number(s): 9358877,9358879,9358881								
DRO C12-C24 w/Si Gel	1610	910.03	1610	975.35	57	61	32-117	7	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 173460184803	Sample number(s): 9358857-9358874,9358879-9358880								
Lead	150	155.4			104		80-120		
Manganese	500	518.58			104		80-120		
Batch number: 173480184801	Sample number(s): 9358875-9358878								
Lead	150	136.92			91		80-120		
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17347002205A	Sample number(s): 9358859,9358863,9358865,9358869,9358871,9358873								
Total Alkalinity to pH 4.5	188000	179250			95		77-114		
Batch number: 17347002205B	Sample number(s): 9358867								
Total Alkalinity to pH 4.5	188000	179250			95		77-114		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D173461AA	Sample number(s): 9358856-9358857,9358859,9358861,9358863,9358865,9358867,9358869,9358871,9358873,9358875,9358877,9358879,9358881-9358882 UNSPK: P355558									
Benzene	N.D.	20	17.44	20	18.35	87	92	78-120	5	30
1,2-Dichloroethane	N.D.	20	17.11	20	17.68	86	88	73-124	3	30
Ethylbenzene	N.D.	20	14.54	20	15.84	73*	79	78-120	9	30
Toluene	N.D.	20	16.05	20	17.35	80	87	80-120	8	30
Xylene (Total)	N.D.	60	38.13	60	42.52	64*	71*	80-120	11	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 173460184803	Sample number(s): 9358857-9358874,9358879-9358880 UNSPK: 9358872									
Lead	N.D.	150	157.39	150	156.47	105	104	75-125	1	20
Manganese	101.2	500	610.65	500	622	102	104	75-125	2	20

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 173480184801 Lead	Sample number(s): 9358875-9358878 UNSPK: 9358875									
	N.D.	150	146.74	150	148.63	98	99	75-125	1	20
	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3	ug/l as CaCO3					
Batch number: 17347002205A Total Alkalinity to pH 4.5	Sample number(s): 9358859,9358863,9358865,9358869,9358871,9358873 UNSPK: 9358869									
	227950	188000	309560			43*		77-114		
Batch number: 17347002205B Total Alkalinity to pH 4.5	Sample number(s): 9358867 UNSPK: 9358869									
	227950	188000	309560			43*		77-114		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 173460184803 Lead	Sample number(s): 9358857-9358874,9358879-9358880 BKG: 9358872			
	N.D.	N.D.	0 (1)	20
Manganese	101.2	104.78	3	20
Batch number: 173480184801 Lead	Sample number(s): 9358875-9358878 BKG: 9358875			
	N.D.	N.D.	0 (1)	20
	ug/l as CaCO3	ug/l as CaCO3		
Batch number: 17347002205A Total Alkalinity to pH 4.5	Sample number(s): 9358859,9358863,9358865,9358869,9358871,9358873 BKG: 9358869			
	227950	229730	1	5
Batch number: 17347002205B Total Alkalinity to pH 4.5	Sample number(s): 9358867 BKG: 9358867			
	388180	389270	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: BTEX/EDC
Batch number: D173461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9358856	100	99	99	92
9358857	99	96	100	94
9358859	98	95	101	95
9358861	97	95	101	104
9358863	100	97	100	94
9358865	98	97	99	94
9358867	97	97	101	97
9358869	100	99	98	93
9358871	100	96	100	93
9358873	100	99	100	93
9358875	101	98	99	93
9358877	100	98	100	95
9358879	101	99	100	94
9358881	100	98	99	93
9358882	98	96	100	94
Blank	101	97	99	93
LCS	97	96	101	97
MS	97	97	102	97
MSD	97	99	102	97
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17346A53A

	Trifluorotoluene-F
9358857	106
9358859	97
9358861	112
9358863	104
9358865	93
9358867	103
9358869	94
9358871	122
9358873	118
9358875	105
9358877	111
Blank	110
LCS	107
LCSD	106

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17346A53A

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 17348A53A

Trifluorotoluene-F

9358879	95
9358881	104
9358882	91
Blank	109
LCS	106
LCSD	104

Limits: 63-135

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 173450004A

Propene

9358859	84
9358861	81
9358863	88
9358865	81
9358867	83
9358869	83
9358871	86
9358873	88
Blank	112
LCS	102
LCSD	100

Limits: 44-123

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 173460032A

Orthoterphenyl

9358857	73
9358859	36*
9358861	155*
9358863	81
9358865	79
9358867	76

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173460032A

Orthoterphenyl

9358869	80
9358871	75
9358873	76
9358875	80
Blank	74
LCS	74
LCSD	77

Limits: 50-150

Analysis Name: NWTPH-Dx water

Batch number: 173460033A

Orthoterphenyl

9358857	111
9358859	52
9358861	124
9358863	113
9358865	111
9358867	119
9358869	103
9358871	106
9358873	105
9358875	105
Blank	111
LCS	115
LCSD	111

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel

Batch number: 173480029A

Orthoterphenyl

9358877	73
9358879	73
9358881	69
Blank	61
LCS	70
LCSD	73

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 12/29/2017 15:37

Group Number: 1884861

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 173480029A

Limits: 50-150

Analysis Name: NWTPH-Dx water
Batch number: 173480030A

Orthoterphenyl

9358877	80
9358879	80
9358881	81
9358882	76
Blank	68
LCS	79
LCSD	75

Limits: 50-150

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only

Group # 1884861

Sample # 9358856-82

Instructions on reverse side correspond with circled numbers.

① Client Information			④ Matrix			⑤ Analyses Requested										⑥ Remarks								
Facility # _____ WBS _____			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			Total Number of Containers _____ BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan _____ Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> CLEAN NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method 6010B EDC (8260) METHANE (RSCOR-175M) DISSOLVED MANGANESE (6010B) ALKALINITY (2320 B-19A1)										SCR #: _____								
Site Address <u>SS#9-6590-OML G-R#17156610</u>			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air													<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
Chevron # <u>202 East Woodin Avenue, CHELAN, WA</u>			Consultant Office <u>LEIDOSRS</u> <u>Russell Shropshire</u>																					
Consultant Project Mgr. <u>Gettier-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>			Composite <input type="checkbox"/> Grab <input type="checkbox"/>																					
Consultant Phone # <u>Deanna L. Harding, (deanna@grinc.com)</u>																								
Sampler <u>(925) 551-7444 x180</u> GM																								
② Sample Identification		Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Diss.	Method	⑥ Remarks			
Date	Time																							
<u>QA</u>	<u>171204</u>	<u>—</u>	<u>—</u>	<input checked="" type="checkbox"/>			<u>2</u>		<u>2</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.	
<u>MW-5</u>	<u>1240</u>	<u>0735</u>	<u>—</u>						<u>10</u>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>4</u>	<u>1400</u>	<u>—</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>7</u>	<u>1120</u>	<u>—</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>8</u>	<u>1000</u>	<u>—</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>15</u>	<u>0535</u>	<u>0535</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>17</u>	<u>0655</u>	<u>0655</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>18</u>	<u>0815</u>	<u>0815</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>23</u>	<u>0935</u>	<u>0935</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>28</u>	<u>0420</u>	<u>0420</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>30</u>	<u>0525</u>	<u>0525</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>31</u>	<u>0630</u>	<u>0630</u>	<u>—</u>										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<u>37</u>													<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
⑦ Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>		Date <u>12/7/17</u>		Time <u>8:10</u>		Received by <u>[Signature]</u>		Date <u>12/7/17</u>		Time <u>8:10</u>										
Standard <input checked="" type="checkbox"/> 5 day 4 day 72 hour 48 hour 24 hour EDF/EDD				Relinquished by _____		Date _____		Time _____		Received by _____		Date _____		Time _____										
⑧ Data Package (circle if required)				Relinquished by Commercial Carrier:		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Temperature Upon Receipt <u>04/1.2</u> °C		Received by <u>[Signature]</u>		Date <u>12/8/17</u>		Time <u>9:20</u>		Custody Seals Intact? <u>(Yes)</u> No								
Type I - Full				EDD (circle if required)		CVX-RTBU-FL_05 (default)																		
Type VI (Raw Data)				Other: _____																				

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1884861 Sample # 9358856-82
Instructions on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested										6 Remarks				
Facility # <u>WBS</u>			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			<input type="checkbox"/> BTEX <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Total Diss. Method										SCR #: _____				
Site Address <u>6549-6590-OML G-R#17156610</u>			<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits														
Chevron <u>202 East Woodin Avenue, CHELAN, WA</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> Composite <input type="checkbox"/> Total Number of Containers														
Chevron <u>202 East Woodin Avenue, CHELAN, WA</u>			<input type="checkbox"/> Grab <input type="checkbox"/> Composite			<input type="checkbox"/> BTEX <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Total Diss. Method														
Consultant <u>LEIDOSRS</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> Composite <input type="checkbox"/> Total Number of Containers														
Consultant <u>Russell Shropshire</u>			<input type="checkbox"/> Grab <input type="checkbox"/> Composite			<input type="checkbox"/> BTEX <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Total Diss. Method														
Consultant <u>Griffin Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> Composite <input type="checkbox"/> Total Number of Containers														
Consultant <u>Deanna L. Harding, (deanna@grinc.com)</u>			<input type="checkbox"/> Grab <input type="checkbox"/> Composite			<input type="checkbox"/> BTEX <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Total Diss. Method														
Sampler <u>(925) 551-7444 x180</u>			<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil			<input type="checkbox"/> Composite <input type="checkbox"/> Total Number of Containers														
2 Sample Identification		Collected		3													6			
Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Total Diss. Method			
<u>MW-39</u>	<u>12/2/17</u>	<u>X</u>			<u>W</u>		<u>7</u>	<u>X</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>			
<u>DUP</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>		<u>8</u>	<u>↓</u>				<u>↓</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>			
<p><u>Remove NWTPH-Dx w/SGC from the Dup sample</u></p> <p><u>Jim 12/11/17</u> <u>Add Total & Dissolved Lead to 8260</u> <u>12/11/17</u></p>																		<p>DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERED. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.</p>		
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date		Time		Received by			Date		Time		9			
<input checked="" type="radio"/> Standard 5 day 4 day <input type="radio"/> 72 hour 48 hour 24 hour EDF/EDD			<u>[Signature]</u>			<u>12/2/17</u>		<u>8:10</u>		<u>[Signature]</u>			<u>12/7/17</u>		<u>8:10</u>					
8 Data Package (circle if required)			EDD (circle if required)			Relinquished by Commercial Carrier:						Received by			Date		Time			
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)			<input type="checkbox"/> CVX-RTBU-FL_05 (default) Other: _____			UPS _____ FedEx _____ Other _____ Temperature Upon Receipt _____ °C						<input type="checkbox"/> Custody Seals Intact?			Yes _____ No _____					

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

Issued by Dept. 40 Management

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

7051.03

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1884861 Sample # 9358856-82
 Instructions on reverse side correspond with circled numbers.

① Client Information				④ Matrix				⑤ Analyses Requested										⑥ Remarks								
Facility # _____ WBS _____				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers _____ BTEX <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 full scan _____ Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____										SCR #: _____								
Site Address <u>SS#9-6590-OML G-R#17156610</u>																		<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
Chevron # <u>202 East Woodin Avenue, CHELAN, WA</u>																										
Consultant Office <u>LEIDOSRS</u> <u>Russell Shropshire</u>																										
Consultant Project Mgr <u>Gettier-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>																										
Consultant Phone # <u>Deanna L. Harding, (deanna@grinc.com)</u>																										
Sampler <u>(925) 551-7444 x180</u> <u>GM</u>																										
② Sample Identification		Collected		③																						
		Date	Time	Grab	Composite	Soil	Water	Oil	Total	BTEX	8260	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method					
<u>MW-39</u>		<u>1/7/2017</u>		<u>X</u>			<u>W</u>		<u>7</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>								⑥ REMARKS DISSOLVED MANGANESE AND ALKALINITY SAMPLES HAVE BEEN FIELD FILTERS. PLEASE REPORT BOTH RESULTS FOR Dx w/sgc USING 10 GRAM COLUMN CLEANUP, AND Dx WITH OUT SILICA GEL CLEANUP WHERE REQUESTED.			
<u>DUP</u>		<u>↓</u>	<u>—</u>	<u>↓</u>			<u>↓</u>		<u>8</u>	<u>↓</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>											
⑦ Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>				Date <u>12/7/17</u>		Time <u>8:10</u>		Received by <u>[Signature]</u>				Date <u>12/7/17</u>		Time <u>8:10</u>		⑨						
Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour EDF/EDD				Relinquished by _____				Date _____		Time _____		Received by _____				Date _____		Time _____								
⑧ Data Package (circle if required)				Relinquished by Commercial Carrier:				Received by _____				Date <u>12/8/17</u>		Time <u>9:20</u>												
Type I - Full				UPS <input checked="" type="checkbox"/> FedEx _____ Other _____				Temperature Upon Receipt <u>0.4/1.2</u> °C				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														
Type VI (Raw Data)				Other: _____																						



Client: WA Office

Delivery and Receipt Information

Delivery Method: SeaTac Arrival Timestamp: 12/08/2017 9:20
 Number of Packages: 5 Number of Projects: 1
 State/Province of Origin: WA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	1
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	No	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wyatt Shiffler (12792) at 14:06 on 12/08/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.2	DT	Wet	Y	Bagged	N
2	DT146	1.0	DT	Wet	Y	Bagged	N
3	DT146	0.6	DT	Wet	Y	Bagged	N
4	DT146	0.4	DT	Wet	Y	Bagged	N
5	DT146	0.4	DT	Wet	Y	Bagged	N

Samples Not Intact Details

Sample ID on Label	Bottle Code	Bottle Quantity	Container Salvageable?	Comments
QA	40 ml glass vial (GC/MS) - HCl	1	N	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Appendix D:
Lake Chelan Elevation Data**

	HydroDB 2016	HydroDB 2017
1/1	1092.82	1092.24
1/2	1092.72	1092.13
1/3	1092.63	1092.01
1/4	1092.55	1091.87
1/5	1092.48	1091.74
1/6	1092.39	1091.62
1/7	1092.28	1091.51
1/8	1092.16	1091.45
1/9	1092.08	1091.32
1/10	1092	1091.22
1/11	1091.88	1091.11
1/12	1091.8	1090.97
1/13	1091.73	1090.85
1/14	1091.58	1090.74
1/15	1091.5	1090.63
1/16	1091.43	1090.6
1/17	1091.35	1090.53
1/18	1091.23	1090.35
1/19	1091.16	1090.22
1/20	1091.03	1090.1
1/21	1091.01	1090
1/22	1090.99	1089.9
1/23	1090.9	1089.78
1/24	1090.78	1089.66
1/25	1090.74	1089.53
1/26	1090.62	1089.47
1/27	1090.51	1089.34
1/28	1090.48	1089.22
1/29	1090.41	1089.1
1/30	1090.29	1088.97
1/31	1090.24	1088.87
2/1	1090.12	1088.74
2/2	1090.01	1088.6
2/3	1089.97	1088.5
2/4	1089.85	1088.38
2/5	1089.75	1088.26
2/6	1089.66	1088.22
2/7	1089.59	1088.09
2/8	1089.49	1087.99
2/9	1089.37	1087.9
2/10	1089.26	1087.85
2/11	1089.21	1087.74
2/12	1089.12	1087.62
2/13	1089.01	1087.5

2/14	1088.97	1087.38
2/15	1088.99	1087.26
2/16	1088.99	1087.22
2/17	1089.01	1087.11
2/18	1089.03	1087
2/19	1089.12	1086.88
2/20	1089.12	1086.76
2/21	1089.1	1086.66
2/22	1089.03	1086.6
2/23	1089	1086.49
2/24	1088.97	1086.36
2/25	1088.88	1086.24
2/26	1088.85	1086.12
2/27	1088.75	1085.99
2/28	1088.72	1085.87
2/29	1088.62	n/a
3/1	1088.58	1085.75
3/2	1088.47	1085.72
3/3	1088.37	1085.65
3/4	1088.25	1085.63
3/5	1088.13	1085.63
3/6	1088.24	1085.62
3/7	1088.15	1085.62
3/8	1088.03	1085.6
3/9	1088	1085.6
3/10	1088.1	1085.62
3/11	1087.99	1085.6
3/12	1087.9	1085.59
3/13	1087.88	1085.59
3/14	1087.88	1085.62
3/15	1087.88	1085.63
3/16	1087.88	1085.74
3/17	1087.85	1085.76
3/18	1087.78	1085.87
3/19	1087.78	1085.88
3/20	1087.78	1085.91
3/21	1087.84	1085.99
3/22	1087.87	1086.01
3/23	1087.78	1086.03
3/24	1087.85	1086.09
3/25	1087.78	1086.09
3/26	1087.78	1086.03
3/27	1087.87	1086.01
3/28	1087.84	1086
3/29	1087.84	1085.99
3/30	1087.85	1085.99
3/31	1087.88	1085.99

4/1	1087.99	1085.97
4/2	1088.13	1086.01
4/3	1088.34	1086.1
4/4	1088.59	1086.12
4/5	1088.75	1086.125
4/6	1088.88	1086.15
4/7	1089.09	1086.25
4/8	1089.31	1086.37
4/9	1089.63	1086.47
4/10	1090.05	1086.59
4/11	1090.5	1086.63
4/12	1090.84	1086.72
4/13	1091.09	1086.78
4/14	1091.37	1086.88
4/15	1091.53	1086.97
4/16	1091.7	1087.1
4/17	1091.86	1087.12
4/18	1092.07	1087.16
4/19	1092.37	1087.24
4/20	1092.85	1087.28
4/21	1093.46	1087.35
4/22	1094.12	1087.37
4/23	1094.7	1087.38
4/24	1095.15	1087.47
4/25	1095.49	1087.49
4/26	1095.74	1087.56
4/27	1095.88	1087.63
4/28	1095.9	1087.66
4/29	1096.01	1087.72
4/30	1096.16	1087.78
5/1	1096.39	1087.88
5/2	1096.72	1088.01
5/3	1097.13	1088.22
5/4	1097.46	1088.4
5/5	1097.47	1088.94
5/6	1097.4	1089.74
5/7	1097.38	1090.12
5/8	1097.46	1090.41
5/9	1097.37	1090.62
5/10	1097.18	1090.87
5/11	1097.01	1091.38
5/12	1096.87	1091.87
5/13	1096.75	1092.17
5/14	1096.75	1092.41
5/15	1096.75	1092.61
5/16	1096.85	1092.78
5/17	1096.9	1092.9

5/18	1097.02	1093
5/19	1097.15	1093.13
5/20	1097.27	1093.37
5/21	1097.41	1093.76
5/22	1097.54	1094.25
5/23	1097.63	1094.72
5/24	1097.73	1095.06
5/25	1097.83	1095.15
5/26	1097.95	1095.16
5/27	1098.02	1095.25
5/28	1098.11	1095.44
5/29	1098.14	1095.75
5/30	1098.18	1096.16
5/31	1098.23	1096.59
6/1	1098.33	1096.86
6/2	1098.47	1097
6/3	1098.51	1097.13
6/4	1098.62	1097.19
6/5	1098.84	1097.11
6/6	1099	1097.03
6/7	1099.01	1097.06
6/8	1099	1097.31
6/9	1099.04	1097.58
6/10	1099.14	1097.72
6/11	1099.24	1097.76
6/12	1099.27	1097.94
6/13	1099.27	1097.95
6/14	1099.3	1097.87
6/15	1099.35	1097.88
6/16	1099.36	1098.02
6/17	1099.35	1098.15
6/18	1099.46	1098.34
6/19	1099.55	1098.434
6/20	1099.62	1098.621
6/21	1099.62	1098.803
6/22	1099.62	1098.756
6/23	1099.65	1098.73
6/24	1099.71	1098.66
6/25	1099.62	1098.73
6/26	1099.55	1098.828
6/27	1099.59	1098.959
6/28	1099.64	1098.891
6/29	1099.77	1098.992
6/30	1099.84	1099.13
7/1	1099.75	1099.37
7/2	1099.69	1099.48
7/3	1099.74	1099.44

7/4	1099.63	1099.37
7/5	1099.6	1099.274
7/6	1099.5	1099.345
7/7	1099.49	1099.39
7/8	1099.49	1099.37
7/9	1099.5	1099.49
7/10	1099.64	1099.52
7/11	1099.71	1099.5
7/12	1099.65	1099.499
7/13	1099.62	1099.51
7/14	1099.62	1099.508
7/15	1099.61	1099.539
7/16	1099.59	1099.643
7/17	1099.64	1099.616
7/18	1099.66	1099.591
7/19	1099.64	1099.596
7/20	1099.62	1099.629
7/21	1099.66	1099.551
7/22	1099.62	1099.598
7/23	1099.63	1099.711
7/24	1099.72	1099.656
7/25	1099.74	1099.63
7/26	1099.73	1099.65
7/27	1099.74	1099.692
7/28	1099.72	1099.658
7/29	1099.74	1099.68
7/30	1099.75	1099.72
7/31	1099.63	1099.625
8/1	1099.55	1099.59
8/2	1099.53	1099.548
8/3	1099.48	1099.535
8/4	1099.44	1099.506
8/5	1099.47	1099.502
8/6	1099.39	1099.551
8/7	1099.47	1099.52
8/8	1099.42	1099.52
8/9	1099.38	1099.59
8/10	1099.38	1099.62
8/11	1099.34	1099.616
8/12	1099.26	1099.611
8/13	1099.28	1099.751
8/14	1099.38	1099.62
8/15	1099.37	1099.51
8/16	1099.38	1099.5
8/17	1099.37	1099.41
8/18	1099.35	1099.39
8/19	1099.37	1099.28

8/20	1099.37	1099.34
8/21	1099.42	1099.26
8/22	1099.4	1099.26
8/23	1099.29	1099.25
8/24	1099.24	1099.27
8/25	1099.17	1099.25
8/26	1099.13	1099.25
8/27	1099.14	1099.28
8/28	1099.13	1099.25
8/29	1099.11	1099.22
8/30	1099.07	1099.2
8/31	1099.04	1099.14
9/1	1099.01	1099.06
9/2	1098.97	1099.1
9/3	1098.92	1099.12
9/4	1098.95	1099.13
9/5	1098.97	1099.12
9/6	1098.89	1099.05
9/7	1098.86	1099
9/8	1098.83	1098.99
9/9	1098.73	1098.97
9/10	1098.72	1098.97
9/11	1098.71	1098.87
9/12	1098.6	1098.78
9/13	1098.51	1098.63
9/14	1098.46	1098.5
9/15	1098.37	1098.42
9/16	1098.26	1098.34
9/17	1098.29	1098.35
9/18	1098.3	1098.27
9/19	1098.26	1098.23
9/20	1098.26	1098.12
9/21	1098.25	1098.01
9/22	1098.22	1097.97
9/23	1098.14	1097.88
9/24	1098.08	1097.9
9/25	1098.11	1097.86
9/26	1098	1097.76
9/27	1097.87	1097.72
9/28	1097.75	1097.62
9/29	1097.63	1097.59
9/30	1097.49	1097.53
10/1	1097.39	1097.35
10/2	1097.26	1097.16
10/3	1097.12	1097.02
10/4	1097	1096.88
10/5	1096.87	1096.76

10/6	1096.74	1096.62
10/7	1096.64	1096.6
10/8	1096.62	1096.5
10/9	1096.65	1096.37
10/10	1096.61	1096.25
10/11	1096.51	1096.05
10/12	1096.39	1095.88
10/13	1096.35	1095.75
10/14	1096.32	1095.62
10/15	1096.36	1095.48
10/16	1096.34	1095.34
10/17	1096.32	1095.25
10/18	1096.26	1095.14
10/19	1096.16	1095.15
10/20	1096.33	1095.12
10/21	1096.37	1095.11
10/22	1096.3	1095.1
10/23	1096.26	1094.99
10/24	1096.25	1094.91
10/25	1096.24	1094.88
10/26	1096.26	1094.9
10/27	1096.31	1094.86
10/28	1096.3	1094.75
10/29	1096.29	1094.65
10/30	1096.32	1094.59
10/31	1096.29	1094.48
11/1	1096.26	1094.38
11/2	1096.22	1094.27
11/3	1096.21	1094.13
11/4	1096.13	1094
11/5	1096.08	1093.97
11/6	1096.04	1093.78
11/7	1096.01	1093.66
11/8	1095.99	1093.55
11/9	1095.97	1093.5
11/10	1095.89	1093.37
11/11	1095.88	1093.25
11/12	1095.91	1093.11
11/13	1095.94	1093.02
11/14	1095.99	1092.89
11/15	1096.09	1092.81
11/16	1096.05	1092.7
11/17	1096.01	1092.6
11/18	1096	1092.44
11/19	1095.99	1092.36
11/20	1095.99	1092.27
11/21	1095.89	1092.22

11/22	1095.85	1092.35
11/23	1095.78	1093.08
11/24	1095.75	1093.35
11/25	1095.73	1093.44
11/26	1095.7	1093.56
11/27	1095.64	1093.56
11/28	1095.59	1093.62
11/29	1095.49	1093.57
11/30	1095.41	1093.56
12/1	1095.36	1093.52
12/2	1095.25	1093.52
12/3	1095.21	1093.49
12/4	1095.14	1093.4
12/5	1095.03	1093.34
12/6	1094.89	1093.25
12/7	1094.84	1093.16
12/8	1094.71	1093.11
12/9	1094.65	1093
12/10	1094.57	1092.91
12/11	1094.49	1092.8
12/12	1094.37	1092.74
12/13	1094.27	1092.64
12/14	1094.16	1092.55
12/15	1094.04	1092.46
12/16	1093.95	1092.34
12/17	1093.8	1092.25
12/18	1093.69	1092.18
12/19	1093.59	1092.18
12/20	1093.57	1092.09
12/21	1093.44	1091.98
12/22	1093.3	1091.88
12/23	1093.21	1091.78
12/24	1093.11	1091.67
12/25	1093	1091.57
12/26	1092.92	1091.46
12/27	1092.86	1091.33
12/28	1092.71	1091.24
12/29	1092.64	1091.21
12/30	1092.52	1091.13
12/31	1092.35	1091

3/3	1088.35	1093.46	1084.57	1083.98	1084.39	1086.23	1093.59	1085.81	1089.49	1086.6	1090.11	1090.83	1087.15	1087.63	1088.75	1092.56	1085.89	1089.5	1083.51	1087.62	1090.79	1086.24	1084.87	1086.16	1085.89	1092.15	1088.37
3/4	1088.26	1093.45	1084.5	1083.88	1084.33	1086.19	1093.56	1085.74	1089.42	1086.6	1090.03	1090.86	1087.08	1087.58	1088.67	1092.5	1085.79	1089.4	1083.41	1087.53	1090.78	1086.12	1084.87	1086.15	1085.85	1092.05	1088.25
3/5	1088.18	1093.39	1084.43	1083.81	1084.27	1086.14	1093.64	1085.65	1089.36	1086.5	1089.94	1090.88	1087	1087.54	1088.64	1092.55	1085.71	1089.35	1083.34	1087.53	1090.76	1086.01	1084.88	1086.22	1085.78	1092	1088.24
3/6	1088.09	1093.33	1084.37	1083.74	1084.19	1086.08	1093.71	1085.57	1089.33	1086.4	1089.86	1090.9	1086.91	1087.49	1088.51	1092.42	1085.62	1089.26	1083.24	1087.53	1090.74	1085.91	1084.88	1086.24	1085.78	1091.93	1088.13
3/7	1088.01	1093.28	1084.31	1083.68	1084.11	1086.02	1093.78	1085.49	1089.23	1086.3	1089.74	1090.91	1086.84	1087.42	1088.43	1092.53	1085.51	1089.22	1083.13	1087.6	1090.72	1085.84	1084.87	1086.25	1085.78	1091.84	1088.15
3/8	1087.95	1093.19	1084.24	1083.65	1084.05	1085.97	1093.81	1085.42	1089.17	1086.2	1089.66	1090.96	1086.77	1087.33	1088.36	1092.46	1085.42	1089.11	1083.03	1087.59	1090.66	1085.74	1084.88	1086.28	1085.78	1091.8	1088.03
3/9	1087.87	1093.12	1084.17	1083.6	1083.98	1085.92	1093.77	1085.34	1089.13	1086.1	1089.57	1091.01	1086.68	1087.26	1088.34	1092.39	1085.37	1089.01	1082.97	1087.53	1090.62	1085.63	1084.88	1086.28	1085.85	1091.73	1088
3/10	1087.81	1093.07	1084.1	1083.54	1083.9	1085.89	1093.72	1085.28	1089.08	1086	1089.47	1091.05	1086.62	1087.18	1088.3	1092.45	1085.25	1088.99	1082.87	1087.51	1090.6	1085.62	1084.81	1086.35	1085.87	1091.67	1088.1
3/11	1087.75	1092.98	1084.04	1083.47	1083.83	1085.87	1093.68	1085.18	1089.01	1085.9	1089.42	1091.09	1086.57	1087.13	1088.3	1092.4	1085.13	1088.9	1082.78	1087.49	1090.55	1085.51	1084.74	1086.35	1085.87	1091.63	1087.99
3/12	1087.66	1092.91	1083.98	1083.4	1083.75	1085.85	1093.66	1085.1	1088.97	1085.8	1089.31	1091.08	1086.51	1087.1	1088.3	1092.4	1085.03	1089.13	1082.72	1087.41	1090.53	1085.4	1084.63	1086.37	1085.87	1091.62	1087.9
3/13	1087.57	1092.84	1083.94	1083.33	1083.68	1085.82	1093.62	1085.02	1088.92	1085.8	1089.22	1091.07	1086.44	1087.13	1088.3	1092.52	1084.94	1089.28	1082.65	1087.4	1090.51	1085.35	1084.6	1086.38	1085.87	1091.59	1087.88
3/14	1087.48	1092.76	1083.9	1083.27	1083.6	1085.82	1093.6	1084.92	1088.88	1085.7	1089.18	1091.15	1086.36	1087.24	1088.3	1092.52	1084.83	1089.47	1082.66	1087.4	1090.48	1085.26	1084.5	1086.49	1085.88	1091.63	1087.88
3/15	1087.4	1092.68	1083.88	1083.27	1083.53	1085.91	1093.64	1084.84	1088.84	1085.6	1089.06	1091.13	1086.27	1087.37	1088.3	1092.5	1084.74	1089.5	1082.72	1087.38	1090.47	1085.22	1084.41	1086.53	1085.91	1091.78	1087.88
3/16	1087.31	1092.6	1083.87	1083.22	1083.47	1086.02	1093.64	1084.79	1088.83	1085.5	1089.03	1091.13	1086.18	1087.46	1088.1	1092.63	1084.63	1089.53	1082.74	1087.35	1090.47	1085.13	1084.35	1086.63	1086	1091.81	1087.88
3/17	1087.23	1092.51	1083.87	1083.15	1083.42	1086.11	1093.64	1084.72	1088.8	1085.4	1088.95	1091.21	1086.08	1087.52	1088.02	1092.68	1084.59	1089.62	1082.75	1087.25	1090.46	1085.03	1084.25	1086.72	1086.09	1091.87	1087.85
3/18	1087.16	1092.43	1083.89	1083.1	1083.37	1086.21	1093.63	1084.66	1088.75	1085.3	1088.9	1091.2	1085.99	1087.58	1088.03	1092.69	1084.5	1089.72	1082.84	1087.15	1090.35	1084.99	1084.13	1086.78	1086.1	1091.88	1087.78
3/19	1087.09	1092.35	1083.89	1083.05	1083.33	1086.3	1093.65	1084.65	1088.71	1085.2	1088.86	1091.27	1085.91	1087.62	1088.01	1092.77	1084.38	1089.84	1082.85	1087.1	1090.26	1084.97	1084.01	1086.85	1086.13	1091.9	1087.78
3/20	1087.03	1092.27	1083.89	1083.03	1083.27	1086.41	1093.66	1084.72	1088.69	1085.1	1088.76	1091.32	1085.83	1087.67	1088.01	1092.83	1084.26	1089.97	1082.88	1087	1090.25	1084.87	1083.97	1086.97	1086.15	1091.9	1087.78
3/21	1086.97	1092.2	1083.88	1083.06	1083.22	1086.54	1093.66	1084.8	1088.62	1085.1	1088.65	1091.28	1085.76	1087.72	1088.01	1092.88	1084.16	1090	1082.97	1086.9	1090.24	1084.84	1083.85	1086.97	1086.16	1091.91	1087.84
3/22	1086.91	1092.12	1083.88	1083.08	1083.18	1086.68	1093.67	1084.86	1088.66	1085	1088.6	1091.3	1085.68	1087.81	1087.9	1092.94	1084.09	1090.1	1082.97	1086.87	1090.22	1084.75	1083.73	1086.9	1086.22	1091.91	1087.87
3/23	1086.86	1092.03	1083.86	1083.14	1083.12	1086.82	1093.66	1084.9	1088.69	1085	1088.52	1091.3	1085.59	1087.91	1087.89	1093	1083.99	1090.22	1083.01	1086.81	1090.13	1084.65	1083.62	1086.85	1086.16	1091.91	1087.78
3/24	1086.82	1091.95	1083.85	1083.19	1083.06	1086.95	1093.64	1084.92	1088.73	1084.9	1088.41	1091.4	1085.52	1087.97	1087.88	1093.07	1083.91	1090.37	1083.09	1086.75	1090.12	1084.6	1083.5	1086.75	1086.15	1092	1087.85
3/25	1086.78	1091.88	1083.84	1083.23	1083	1087.05	1093.63	1084.92	1088.76	1084.9	1088.34	1091.5	1085.42	1088.03	1087.91	1093.13	1083.83	1090.65	1083.1	1086.66	1090.1	1084.51	1083.4	1086.63	1086.15	1092.06	1087.78
3/26	1086.72	1091.81	1083.83	1083.27	1082.93	1087.12	1093.61	1084.93	1088.78	1084.9	1088.25	1091.6	1085.35	1088.09	1087.94	1093.2	1083.75	1090.87	1083.13	1086.6	1090.12	1084.47	1083.28	1086.59	1086.16	1092.14	1087.78
3/27	1086.66	1091.73	1083.84	1083.32	1082.88	1087.19	1093.6	1084.94	1088.79	1084.8	1088.18	1091.56	1085.26	1088.06	1087.89	1093.32	1083.67	1091.02	1083.15	1086.49	1090.03	1084.4	1083.28	1086.5	1086.22	1092.22	1087.87
3/28	1086.6	1091.67	1083.85	1083.37	1082.84	1087.27	1093.57	1084.97	1088.79	1084.8	1088.12	1091.54	1085.18	1088.01	1087.89	1093.38	1083.59	1091.13	1083.22	1086.38	1090.01	1084.35	1083.37	1086.4	1086.22	1092.31	1087.84
3/29	1086.54	1091.56	1083.84	1083.4	1082.83	1087.35	1093.55	1084.98	1088.78	1084.7	1088.03	1091.62	1085.08	1087.95	1087.85	1093.46	1083.5	1091.16	1083.22	1086.28	1090.03	1084.34	1083.4	1086.35	1086.22	1092.42	1087.84
3/30	1086.49	1091.47	1083.85	1083.44	1082.83	1087.44	1093.5	1084.98	1088.76	1084.7	1087.93	1091.67	1085.01	1087.93	1087.85	1093.5	1083.42	1091.26	1083.22	1086.22	1090.01	1084.35	1083.49	1086.25	1086.22	1092.53	1087.85
3/31	1086.45	1091.39	1083.85	1083.48	1082.84	1087.54	1093.45	1084.99	1088.74	1084.6	1087.83	1091.66	1084.92	1087.95	1087.93	1093.59	1083.37	1091.34	1083.24	1086.22	1090.01	1084.41	1083.5	1086.22	1086.22	1092.68	1087.88
4/1	1086.43	1091.33	1084.08	1083.53	1082.84	1087.66	1093.44	1085	1088.72	1084.6	1087.81	1091.7	1084.83	1087.97	1087.94	1093.62	1083.32	1091.4	1083.25	1086.13	1090.01	1084.52	1083.53	1086.15	1086.16	1092.76	1087.99
4/2	1086.44	1091.26	1084.23	1083.59	1082.84	1087.74	1093.42	1084.99	1088.69	1084.5	1087.73	1091.7	1084.76	1087.99	1087.87	1093.65	1083.25	1091.45	1083.26	1086.13	1089.99	1084.63	1083.53	1086.15	1086.15	1092.77	1088.13
4/3	1086.49	1091.22	1084.44	1083.64	1082.84	1087.78	1093.36	1084.96	1088.66	1084.4	1087.72	1091.65	1084.71	1088	1087.86	1093.75	1083.21	1091.47	1083.26	1086.12	1089.99	1084.65	1083.55	1086.15	1086.13	1092.78	1088.34
4/4	1086.53	1091.21	1084.68	1083.7	1082.84	1087.84	1093.29	1084.93	1088.65	1084.4	1087.77	1091.6	1084.65	1087.99	1087.86	1093.84	1083.14	1091.49	1083.26	1086.09	1089.97	1084.66	1083.6	1086.22	1086.15	1092.77	1088.59
4/5	1086.57	1091.2	1084.87	1083.76	1082.85	1087.92	1093.18	1084.89	1088.65	1084.3	1087.78	1091.62	1084.6	1087.94	1087.86	1093.9	1083.12	1091.52	1083.26	1086.03	1089.99	1084.72	1083.53	1086.26	1086.13	1092.76	1088.75
4/6	1086.62	1091.19	1085.01	1083.81	1082.85	1087.99	1093.08	1084.85	1088.63	1084.2	1087.81	1091.65	1084.55	1087.91	1087.82	1093.93	1083.09	1091.58	1083.25	1086.01	1090.1	1084.65	1083.51	1086.38	1086.15	1092.75	1088.88
4/7	1086.69	1091.18	1085.11	1083.86	1082.86	1088.09	1093.03	1084.83	1088.61	1084.1	1087.76	1091.6	1084.54	1087.89	1087.88	1094.01	1083.05	1091.6	1083.26	1086.01	1089.97	1084.62	1083.51	1086.5	1086.15	1092.75	1089.09
4/8	1086.78	1091.12	1085.17	1083.92	1082.96	1088.17	1093.08	1084.86	1088.59	1084.1	1087.74	1091.65	1084.5	1087.84	1087.98	1094.04	1083.01	1091.67	1083.28	1086.01	1089.99	1084.6	1083.51	1086.53	1086.22	1092.74	1089.31
4/9	1086.87																										

5/7	1090.79	1091.91	1089.02	1086.6	1088.69	1088.97	1092.74	1086.89	1092.54	1084.7	1089.86	1091.98	1085.92	1088.96	1091.15	1096.77	1084.61	1091.7	1084.1	1088.01	1091.49	1083	1088.6	1088.75	1089.51	1093.13	1097.38
5/8	1090.9	1092.06	1089.58	1086.79	1089	1089.12	1092.62	1086.99	1093.03	1084.8	1089.92	1092.04	1085.94	1089.04	1091.27	1096.96	1084.75	1091.75	1084.13	1088.12	1091.49	1082.99	1088.65	1089.24	1089.72	1093.22	1097.46
5/9	1090.99	1092.15	1089.86	1086.96	1089.51	1089.37	1092.5	1087.12	1093.39	1084.8	1089.93	1092.07	1085.97	1089.09	1091.4	1097.24	1084.86	1091.87	1084.24	1088.16	1091.44	1083.01	1088.97	1089.84	1089.97	1093.35	1097.37
5/10	1091.08	1092.2	1090.13	1087.13	1090	1089.75	1092.4	1087.29	1093.69	1084.8	1089.96	1092.05	1085.98	1089.1	1091.55	1097.58	1084.92	1091.97	1084.28	1088.25	1091.49	1083.03	1089.09	1090.4	1090.22	1093.51	1097.18
5/11	1091.17	1092.26	1090.19	1087.34	1090.41	1090.26	1092.29	1087.52	1094.06	1084.8	1090	1092.08	1085.98	1089.12	1091.57	1097.79	1085.04	1092.03	1084.4	1088.37	1091.43	1083.15	1089.13	1090.99	1090.26	1093.76	1097.01
5/12	1091.25	1092.39	1090.25	1087.78	1090.83	1090.55	1092.18	1087.85	1094.57	1084.9	1089.98	1092.2	1085.98	1089.24	1091.65	1097.99	1085.14	1092.15	1084.47	1088.5	1091.47	1083.26	1089.22	1091.53	1090.5	1094.01	1096.87
5/13	1091.33	1092.55	1090.3	1088.5	1091.15	1090.76	1092.11	1088.31	1095.11	1084.9	1090.01	1092.45	1086.05	1089.31	1091.74	1098.19	1085.24	1092.35	1084.5	1088.6	1091.47	1083.4	1089.34	1092.14	1090.75	1094.25	1096.75
5/14	1091.39	1092.72	1090.39	1089.6	1091.4	1090.94	1092.09	1089.08	1095.6	1084.9	1090.02	1092.73	1086.14	1089.5	1091.84	1098.4	1085.32	1092.5	1084.6	1088.72	1091.56	1083.71	1089.53	1092.6	1091.01	1094.36	1096.75
5/15	1091.46	1092.85	1090.45	1090.59	1091.59	1091.25	1092.11	1090.17	1095.99	1084.9	1090.06	1092.97	1086.21	1089.67	1091.95	1098.67	1085.46	1092.74	1084.75	1088.78	1091.74	1084.12	1089.97	1092.87	1091.38	1094.49	1096.75
5/16	1091.52	1093	1090.51	1091.25	1091.77	1091.77	1092.15	1090.98	1096.23	1085	1090.21	1093.18	1086.27	1089.77	1092.05	1098.84	1085.74	1092.97	1085	1088.88	1092.05	1084.63	1090.47	1093.06	1091.95	1094.61	1096.85
5/17	1091.59	1093.22	1090.6	1091.84	1091.92	1092.33	1092.23	1091.66	1096.43	1085	1090.56	1093.3	1086.39	1089.81	1092.16	1098.96	1086.26	1093.23	1085.5	1089	1092.42	1084.97	1091.02	1093.26	1092.37	1094.74	1096.9
5/18	1091.66	1093.55	1090.75	1092.39	1092.04	1092.79	1092.33	1092.19	1096.58	1085.1	1090.44	1093.45	1086.53	1089.85	1092.38	1099.07	1087.2	1093.35	1086.35	1089.24	1092.88	1085.22	1091.37	1093.5	1092.67	1094.87	1097.02
5/19	1091.71	1094.02	1090.89	1093	1092.15	1093.13	1092.42	1092.57	1096.65	1085.1	1090.61	1093.53	1086.69	1089.85	1092.55	1099.23	1088.22	1093.5	1087.13	1089.63	1093.3	1085.48	1091.5	1093.72	1092.9	1095.03	1097.15
5/20	1091.78	1094.61	1091.08	1093.71	1092.28	1093.46	1092.48	1092.88	1096.72	1085.2	1090.86	1093.6	1086.9	1089.88	1092.78	1099.21	1089.14	1093.65	1087.97	1089.97	1093.76	1085.74	1091.77	1093.84	1093.16	1095.26	1097.27
5/21	1091.85	1095.16	1091.18	1094.29	1092.39	1093.75	1092.53	1093.06	1096.78	1085.3	1091.13	1093.64	1087.16	1089.86	1093.01	1099.24	1090.03	1093.75	1088.74	1090.12	1094.03	1086.1	1092.05	1094.2	1093.42	1095.52	1097.41
5/22	1091.93	1095.45	1091.27	1094.75	1092.5	1094.06	1092.56	1093.17	1096.92	1085.4	1091.57	1093.83	1087.39	1089.91	1093.25	1099.3	1090.74	1093.75	1089.35	1090.35	1094.24	1086.49	1092.37	1094.38	1093.7	1095.79	1097.54
5/23	1092.02	1095.6	1091.35	1095.1	1092.61	1094.37	1092.56	1093.26	1096.97	1085.6	1091.86	1094.17	1087.56	1089.96	1093.45	1099.32	1091.31	1093.75	1089.75	1090.62	1094.38	1086.87	1092.64	1094.55	1094.08	1096.04	1097.63
5/24	1092.12	1095.68	1091.49	1095.42	1092.76	1094.71	1092.56	1093.33	1097.07	1085.9	1092.16	1094.68	1087.72	1090.25	1093.59	1099.29	1091.78	1093.85	1090.12	1091.04	1094.48	1087.15	1092.83	1094.66	1094.49	1096.28	1097.73
5/25	1092.16	1095.68	1091.74	1095.76	1092.97	1095.04	1092.59	1093.39	1097.3	1086.4	1092.35	1095.01	1087.88	1090.81	1093.76	1099.32	1092.2	1094	1090.58	1091.29	1094.51	1087.48	1092.99	1094.75	1094.75	1096.5	1097.83
5/26	1092.19	1095.68	1092.13	1096.09	1093.27	1095.4	1092.73	1093.47	1097.47	1087	1092.49	1095.38	1088.07	1090.99	1093.88	1099.35	1092.51	1094.25	1091.12	1091.62	1094.62	1087.84	1093.11	1094.86	1094.91	1096.53	1097.95
5/27	1092.23	1095.73	1092.43	1096.45	1093.5	1095.69	1092.89	1093.57	1097.62	1087.5	1092.67	1095.77	1088.27	1091.25	1094.14	1099.39	1092.82	1094.51	1091.62	1091.93	1094.73	1088.09	1093.34	1094.88	1095.1	1096.76	1098.02
5/28	1092.39	1095.76	1092.66	1096.81	1093.66	1095.98	1093	1093.71	1097.66	1087.9	1092.86	1095.98	1088.55	1091.63	1094.26	1099.46	1093.06	1094.64	1092.22	1092.25	1094.88	1088.35	1093.5	1094.99	1095.12	1097	1098.11
5/29	1092.59	1095.82	1092.88	1097.19	1093.86	1096.32	1093.12	1093.92	1097.7	1088.4	1092.98	1096.23	1089.06	1092.06	1094.35	1099.66	1093.27	1094.58	1092.76	1092.66	1095.01	1088.6	1093.72	1095.04	1095.1	1097.21	1098.14
5/30	1092.8	1095.94	1093.13	1097.56	1094.01	1096.73	1093.2	1094.92	1097.7	1088.8	1093.16	1096.28	1089.62	1092.38	1094.5	1099.88	1093.27	1094.85	1093.26	1093.24	1095.14	1088.87	1093.88	1095.14	1095.02	1097.48	1098.18
5/31	1093.05	1096	1093.4	1097.92	1094.15	1097.04	1093.24	1094.5	1097.71	1089.1	1093.26	1096.34	1090.2	1092.8	1094.6	1099.9	1093.77	1095.09	1093.75	1093.72	1095.35	1089.15	1094.13	1095.21	1095	1097.65	1098.23
6/1	1093.29	1096.09	1093.74	1098.34	1094.31	1097.11	1093.25	1094.84	1097.8	1089.6	1093.41	1096.53	1090.73	1093.16	1094.65	1099.84	1094.1	1095.37	1094.25	1094.12	1095.52	1089.47	1094.37	1095.26	1095	1097.83	1098.33
6/2	1093.41	1096.22	1094.12	1098.63	1094.44	1097.16	1093.29	1094.95	1097.96	1089.9	1093.55	1096.66	1090.94	1093.47	1094.69	1099.87	1094.63	1095.75	1094.65	1094.62	1095.87	1089.72	1094.62	1095.37	1095.09	1098.02	1098.47
6/3	1093.58	1096.37	1094.38	1098.85	1094.59	1097.18	1093.49	1094.99	1098.1	1090.3	1093.66	1096.78	1091.28	1093.74	1094.79	1099.91	1095.13	1096.3	1095.01	1095.1	1096.13	1089.85	1094.75	1095.48	1095.25	1098.13	1098.51
6/4	1093.8	1096.41	1094.63	1099.04	1094.84	1097.19	1093.91	1095.12	1098.18	1090.5	1093.91	1096.76	1091.65	1093.99	1094.98	1099.86	1095.61	1096.99	1095.37	1095.54	1096.38	1090.09	1094.81	1095.62	1095.38	1098.22	1098.62
6/5	1093.97	1096.42	1094.83	1099.21	1095.05	1097.22	1094.21	1095.22	1098.23	1091	1094.19	1096.85	1092.16	1094.3	1095.23	1099.84	1096.03	1097.25	1095.62	1096.07	1096.49	1090.34	1094.91	1095.85	1095.57	1098.27	1098.84
6/6	1094.14	1096.47	1095.04	1099.38	1095.24	1097.23	1094.43	1095.27	1098.27	1091.3	1094.51	1096.92	1092.59	1094.72	1095.45	1099.87	1096.28	1097.46	1095.75	1096.5	1096.55	1090.62	1094.91	1096.12	1095.75	1098.41	1099
6/7	1094.34	1096.57	1095.29	1099.6	1095.42	1097.26	1094.7	1095.28	1098.32	1091.5	1094.78	1096.98	1092.9	1095.21	1095.57	1099.84	1096.53	1097.41	1095.75	1096.99	1096.69	1091.1	1094.88	1096.38	1095.98	1098.73	1099.01
6/8	1094.51	1096.69	1095.55	1099.67	1095.57	1097.43	1095.05	1095.31	1098.39	1091.7	1095	1097.05	1093.15	1095.79	1095.62	1099.78	1096.75	1097.48	1095.67	1097.27	1096.75	1091.49	1094.93	1096.63	1096.13	1098.96	1099
6/9	1094.66	1096.81	1095.78	1099.71	1095.72	1097.62	1095.2	1095.34	1098.39	1091.8	1095.16	1097.24	1093.23	1096.25	1095.78	1099.77	1096.75	1097.58	1095.6	1097.6	1096.9	1091.79	1095.08	1096.86	1096.37	1099.12	1099.04
6/10	1094.9	1096.95	1095.95	1099.79	1095.87	1097.87	1095.23	1095.48	1098.51	1091.8	1095.33	1097.37	1093.35	1096.71	1096.16	1099.74	1096.75	1097.74	1095.43	1097.9	1097.1	1092.13	1095.13	1097	1096.6	1099.24	1099.14
6/11	1095.13	1097.14	1096.08	1099.84	1096.06	1098.16	1095.3	1095.7	1098.54	1091.9	1095.47	1097.5	1093.64	1096.94	1096.39	1099.75	1096.76	1097.83	1095.26	1098.19	1097.18	1092.53	1095.08	1097.14	1096.65	1099.27	1099.24
6/12	1095.29	1097.22	1096.39	1099.87	1096.25	1098.43	1095.42	1095.96	1098.56	1092	1095.68	1097.54	1094.02	1097.2	1096.5	1099.69	1096.85	1097.79	1095.1	1098.37	1097.28	1092.85	1095.15	1097.25	1096.86	1099.35	1099.27
6/13	1095.4	1097.2	1096.78																								

7/11	1099.9	1098.79	1099.45	1099.51	1099.85	1099.67	1099.58	1099.2	1099.65	1099.1	1099.59	1099.66	1099.6	1099.86	1099.34	1099.75	1099.87	1099.72	1099.72	1099.78	1099.14	1098.9	1099.37	1099.89	1099.87	1099.58	1099.71
7/12	1099.88	1098.97	1099.45	1099.51	1099.84	1099.67	1099.59	1099.2	1099.65	1099.1	1099.61	1099.72	1099.73	1099.97	1099.3	1099.79	1099.81	1099.76	1099.74	1099.94	1099.34	1099	1099.61	1099.84	1099.91	1099.63	
7/13	1099.85	1099.24	1099.44	1099.52	1099.82	1099.69	1099.6	1099.25	1099.63	1099.1	1099.63	1099.65	1099.83	1099.9	1099.28	1099.81	1099.83	1099.8	1099.75	1099.99	1099.43	1099.03	1099.78	1099.75	1100	1099.63	
7/14	1099.83	1099.44	1099.43	1099.53	1099.84	1099.62	1099.6	1099.35	1099.62	1099.2	1099.67	1099.67	1099.87	1099.85	1099.32	1099.71	1099.81	1099.85	1099.76	1099.88	1099.5	1099.01	1099.78	1099.75	1099.95	1099.63	
7/15	1099.84	1099.53	1099.37	1099.51	1099.84	1099.64	1099.58	1099.52	1099.62	1099.1	1099.57	1099.65	1099.81	1099.85	1099.34	1099.71	1099.78	1099.88	1099.77	1099.85	1099.63	1099	1099.9	1099.65	1099.8	1099.67	
7/16	1099.89	1099.62	1099.31	1099.49	1099.84	1099.69	1099.58	1099.66	1099.61	1099.2	1099.56	1099.54	1099.81	1099.86	1099.4	1099.69	1099.75	1099.87	1099.78	1099.86	1099.75	1098.91	1099.82	1099.65	1099.85	1099.62	
7/17	1099.86	1099.72	1099.29	1099.51	1099.85	1099.71	1099.51	1099.78	1099.64	1099.4	1099.6	1099.56	1099.89	1099.8	1099.46	1099.69	1099.76	1099.93	1099.79	1099.87	1099.75	1098.87	1099.84	1099.61	1099.89	1099.5	
7/18	1099.84	1099.79	1099.26	1099.51	1099.88	1099.72	1099.46	1099.88	1099.67	1099.5	1099.63	1099.57	1099.89	1099.77	1099.6	1099.67	1099.75	1099.99	1099.79	1099.88	1099.77	1098.82	1099.91	1099.66	1099.88	1099.47	
7/19	1099.82	1099.85	1099.26	1099.52	1099.82	1099.66	1099.44	1099.88	1099.73	1099.6	1099.62	1099.56	1099.88	1099.76	1099.66	1099.68	1099.72	1099.98	1099.75	1099.87	1099.66	1098.75	1099.89	1099.67	1099.88	1099.52	
7/20	1099.83	1099.87	1099.3	1099.57	1099.77	1099.6	1099.49	1099.85	1099.69	1099.5	1099.65	1099.53	1099.72	1099.79	1099.71	1099.63	1099.65	1099.95	1099.75	1099.85	1099.57	1098.75	1099.9	1099.68	1099.97	1099.51	
7/21	1099.84	1099.89	1099.36	1099.61	1099.77	1099.6	1099.52	1099.89	1099.62	1099.6	1099.72	1099.55	1099.71	1099.72	1099.69	1099.6	1099.66	1099.85	1099.77	1099.85	1099.39	1098.87	1099.85	1099.63	1099.86	1099.5	
7/22	1099.86	1099.88	1099.38	1099.65	1099.8	1099.62	1099.54	1099.85	1099.66	1099.5	1099.75	1099.67	1099.8	1099.7	1099.68	1099.68	1099.72	1099.87	1099.84	1099.88	1099.37	1099.03	1099.9	1099.62	1099.78	1099.39	
7/23	1099.91	1099.81	1099.42	1099.69	1099.8	1099.65	1099.6	1099.74	1099.73	1099.5	1099.9	1099.66	1099.92	1099.73	1099.69	1099.64	1099.76	1099.89	1099.77	1099.9	1099.37	1099.1	1099.93	1099.63	1099.73	1099.34	
7/24	1099.95	1099.83	1099.43	1099.7	1099.84	1099.61	1099.7	1099.72	1099.76	1099.5	1099.78	1099.74	1099.98	1099.69	1099.73	1099.6	1099.86	1099.95	1099.75	1099.88	1099.43	1099.18	1099.87	1099.62	1099.53	1099.25	
7/25	1099.92	1099.75	1099.47	1099.69	1099.88	1099.57	1099.69	1099.75	1099.73	1099.4	1099.78	1099.67	1099.84	1099.6	1099.82	1099.61	1099.87	1099.88	1099.75	1099.91	1099.51	1099.3	1099.86	1099.62	1099.38	1099.24	
7/26	1099.91	1099.66	1099.55	1099.7	1099.87	1099.59	1099.6	1099.77	1099.72	1099.4	1099.75	1099.69	1099.74	1099.56	1099.76	1099.59	1099.85	1099.88	1099.78	1099.97	1099.62	1099.51	1099.97	1099.6	1099.37	1099.25	
7/27	1099.88	1099.68	1099.58	1099.69	1099.83	1099.67	1099.6	1099.76	1099.73	1099.5	1099.68	1099.72	1099.68	1099.53	1099.71	1099.58	1099.87	1099.88	1099.89	1099.93	1099.62	1099.65	1100	1099.59	1099.45	1099.2	
7/28	1099.82	1099.7	1099.56	1099.71	1099.8	1099.69	1099.62	1099.78	1099.74	1099.5	1099.69	1099.73	1099.69	1099.48	1099.69	1099.6	1099.82	1099.87	1099.88	1099.91	1099.72	1099.75	1099.9	1099.59	1099.46	1099.1	
7/29	1099.82	1099.73	1099.54	1099.71	1099.85	1099.72	1099.62	1099.83	1099.73	1099.5	1099.66	1099.64	1099.64	1099.49	1099.72	1099.59	1099.78	1099.89	1099.87	1099.96	1099.78	1099.85	1099.9	1099.53	1099.47	1099.09	
7/30	1099.84	1099.72	1099.52	1099.69	1099.75	1099.63	1099.62	1099.86	1099.73	1099.5	1099.6	1099.65	1099.62	1099.54	1099.72	1099.57	1099.73	1099.86	1099.88	1099.92	1099.84	1099.89	1100	1099.56	1099.49	1099.1	
7/31	1099.85	1099.69	1099.53	1099.67	1099.7	1099.56	1099.66	1099.86	1099.72	1099.5	1099.66	1099.62	1099.58	1099.55	1099.75	1099.58	1099.63	1099.75	1099.87	1099.86	1099.87	1099.97	1099.6	1099.47	1099.09		
8/1	1099.87	1099.71	1099.55	1099.65	1099.66	1099.55	1099.63	1099.88	1099.73	1099.5	1099.72	1099.57	1099.58	1099.59	1099.73	1099.56	1099.6	1099.73	1099.75	1099.82	1099.91	1099.9	1099.89	1099.5	1099.48	1099.12	
8/2	1099.86	1099.74	1099.57	1099.65	1099.66	1099.57	1099.67	1099.89	1099.68	1099.6	1099.66	1099.53	1099.56	1099.64	1099.76	1099.52	1099.53	1099.72	1099.75	1099.76	1099.88	1099.9	1099.88	1099.5	1099.48	1099.17	
8/3	1099.81	1099.76	1099.56	1099.65	1099.67	1099.56	1099.69	1099.9	1099.64	1099.7	1099.63	1099.46	1099.48	1099.68	1099.68	1099.49	1099.5	1099.72	1099.65	1099.76	1099.99	1099.97	1099.86	1099.48	1099.5	1099.15	
8/4	1099.76	1099.8	1099.51	1099.67	1099.67	1099.56	1099.65	1099.88	1099.61	1099.8	1099.65	1099.5	1099.41	1099.67	1099.68	1099.5	1099.49	1099.61	1099.62	1099.75	1099.87	1099.99	1099.78	1099.6	1099.5	1099.22	
8/5	1099.8	1099.86	1099.56	1099.68	1099.7	1099.6	1099.65	1099.83	1099.63	1099.8	1099.66	1099.45	1099.39	1099.66	1099.71	1099.49	1099.5	1099.62	1099.58	1099.75	1099.87	1099.99	1099.84	1099.62	1099.53	1099.17	
8/6	1099.87	1099.83	1099.48	1099.7	1099.66	1099.66	1099.63	1099.86	1099.68	1099.8	1099.68	1099.48	1099.38	1099.68	1099.64	1099.51	1099.56	1099.63	1099.53	1099.78	1099.86	1099.91	1099.87	1099.63	1099.51	1099.14	
8/7	1099.88	1099.86	1099.48	1099.71	1099.61	1099.74	1099.59	1099.9	1099.66	1099.8	1099.67	1099.43	1099.39	1099.68	1099.62	1099.56	1099.61	1099.64	1099.52	1099.76	1099.87	1099.87	1099.87	1099.66	1099.5	1099.13	
8/8	1099.86	1099.86	1099.49	1099.7	1099.62	1099.77	1099.58	1099.82	1099.59	1099.7	1099.6	1099.39	1099.41	1099.66	1099.65	1099.53	1099.62	1099.64	1099.57	1099.76	1099.88	1099.81	1099.88	1099.63	1099.51	1099.16	
8/9	1099.86	1099.88	1099.46	1099.71	1099.59	1099.75	1099.59	1099.76	1099.57	1099.7	1099.59	1099.31	1099.49	1099.66	1099.62	1099.56	1099.6	1099.65	1099.59	1099.75	1099.94	1099.85	1099.86	1099.62	1099.5	1099.15	
8/10	1099.87	1099.78	1099.45	1099.71	1099.54	1099.7	1099.6	1099.73	1099.63	1099.7	1099.54	1099.33	1099.6	1099.77	1099.62	1099.57	1099.57	1099.63	1099.6	1099.74	1099.89	1099.85	1099.78	1099.57	1099.49	1099.16	
8/11	1099.87	1099.73	1099.44	1099.67	1099.53	1099.71	1099.64	1099.72	1099.69	1099.7	1099.56	1099.28	1099.62	1099.72	1099.6	1099.6	1099.59	1099.63	1099.52	1099.75	1099.88	1099.77	1099.75	1099.76	1099.49	1099.21	
8/12	1099.88	1099.72	1099.43	1099.64	1099.5	1099.72	1099.67	1099.73	1099.73	1099.7	1099.48	1099.28	1099.67	1099.67	1099.59	1099.48	1099.6	1099.69	1099.5	1099.75	1099.89	1099.75	1099.71	1099.75	1099.49	1099.24	
8/13	1099.9	1099.7	1099.42	1099.64	1099.48	1099.7	1099.63	1099.76	1099.76	1099.7	1099.46	1099.25	1099.74	1099.63	1099.58	1099.53	1099.61	1099.63	1099.49	1099.75	1099.87	1099.75	1099.66	1099.72	1099.62	1099.26	
8/14	1099.91	1099.67	1099.44	1099.63	1099.51	1099.73	1099.64	1099.86	1099.83	1099.6	1099.36	1099.22	1099.78	1099.57	1099.53	1099.57	1099.63	1099.59	1099.47	1099.75	1099.87	1099.76	1099.62	1099.73	1099.64	1099.25	
8/15	1099.88	1099.66	1099.44	1099.62	1099.54	1099.72	1099.7	1099.89	1099.83	1099.6	1099.37	1099.2	1099.89	1099.59	1099.57	1099.55	1099.64	1099.51	1099.43	1099.72	1099.88	1099.76	1099.52	1099.73	1099.62	1099.25	
8/16	1099.88	1099.66	1099.43	1099.61	1099.48	1099.68	1099.71	1099.86	1099.75	1099.6	1099.33	1099.18	1099.86	1099.59	1099.66	1099.62	1099.71	1099.5	1099.42	1099.63	1099.89	1099.77	1099.53	1099.65	1099.61	1099.25	
8/17	1099.84	1099.69	1099.41	1099.59	1099.42	1099.64	1099.71	1099.85	1099.69	1099.6	1099.33	1099.26	1099.91	1099.54	1099.71	1099.58	1099.65	1099.41	1099.48	1099.61	1099.89	1099.83	1099.54				

9/14	1098.87	1098.56	1099.07	1099.19	1098.88	1099.24	1099.02	1099.11	1099.7	1098.9	1099.11	1098.87	1098.62	1098.89	1099.33	1098.84	1098.89	1098.12	1098.5	1099.13	1098.6	1098.37	1098.46	1098.84	1098.48	1098.38
9/15	1098.82	1098.44	1099.01	1099.16	1098.83	1099.18	1099.03	1099.07	1099.7	1098.8	1099.15	1098.86	1098.59	1098.71	1099.45	1098.78	1098.91	1098	1098.47	1099.07	1098.52	1098.35	1098.38	1098.87	1098.39	1098.31
9/16	1098.77	1098.34	1098.95	1099.1	1098.79	1099.15	1098.99	1099.03	1099.71	1098.8	1098.08	1098.92	1098.54	1098.63	1099.48	1098.67	1098.88	1097.94	1098.37	1099.1	1098.43	1098.26	1098.36	1098.75	1098.31	1098.25
9/17	1098.67	1098.25	1098.87	1099.05	1098.76	1099.2	1098.92	1099.04	1099.73	1098.7	1099.06	1098.92	1098.51	1098.5	1099.49	1098.63	1098.77	1097.78	1098.25	1099.02	1098.16	1098.26	1098.35	1098.63	1098.24	1098.21
9/18	1098.59	1098.2	1098.8	1099.03	1098.73	1099.28	1098.84	1099.05	1099.74	1098.6	1099.09	1098.9	1098.48	1098.41	1099.51	1098.52	1098.73	1097.65	1098.22	1099	1098.34	1098.2	1098.22	1098.51	1098.19	1098.14
9/19	1098.54	1098.18	1098.77	1099.04	1098.7	1099.16	1098.78	1099.01	1099.73	1098.5	1099	1098.76	1098.37	1098.35	1099.55	1098.52	1098.71	1097.55	1098.17	1098.99	1098.46	1098.15	1098.13	1098.38	1098.21	1098.08
9/20	1098.48	1098.23	1098.79	1098.98	1098.64	1099.07	1098.69	1098.97	1099.73	1098.5	1098.97	1098.75	1098.29	1098.3	1099.55	1098.44	1098.58	1097.47	1098.22	1098.94	1098.47	1098.09	1098.03	1098.25	1098.14	1098.01
9/21	1098.43	1098.21	1098.76	1098.91	1098.57	1098.99	1098.61	1098.94	1099.73	1098.4	1098.88	1098.67	1098.28	1098.26	1099.52	1098.32	1098.53	1097.38	1098.05	1098.87	1098.37	1098	1098	1098.16	1098.18	1098.01
9/22	1098.43	1098.22	1098.7	1098.86	1098.52	1098.9	1098.51	1098.87	1099.73	1098.4	1098.84	1098.61	1098.24	1098.25	1099.5	1098.26	1098.46	1097.4	1097.99	1098.87	1098.28	1097.97	1097.92	1098	1098.11	1097.98
9/23	1098.46	1098.24	1098.68	1098.83	1098.48	1098.81	1098.4	1098.81	1099.73	1098.4	1098.9	1098.61	1098.22	1098.25	1099.44	1098.16	1098.37	1097.38	1097.86	1098.77	1098.25	1097.94	1097.97	1097.88	1098.01	1097.9
9/24	1098.46	1098.24	1098.68	1098.79	1098.42	1098.72	1098.3	1098.75	1099.75	1098.4	1098.92	1098.6	1098.18	1098.2	1099.36	1098.09	1098.38	1097.29	1097.76	1098.74	1098.13	1097.94	1097.9	1097.78	1098	1097.86
9/25	1098.41	1098.25	1098.67	1098.76	1098.39	1098.63	1098.22	1098.68	1099.68	1098.3	1098.85	1098.54	1098.26	1098.2	1099.28	1098.08	1098.29	1097.36	1097.75	1098.62	1098	1097.89	1097.85	1097.65	1097.97	1097.85
9/26	1098.36	1098.28	1098.67	1098.74	1098.35	1098.56	1098.19	1098.65	1099.57	1098.3	1098.75	1098.53	1098.25	1098.2	1099.21	1098.08	1098.24	1097.32	1097.64	1098.52	1097.95	1097.85	1097.75	1097.62	1097.92	1097.85
9/27	1098.32	1098.29	1098.66	1098.71	1098.29	1098.51	1098.21	1098.64	1099.5	1098.2	1098.66	1098.38	1098.27	1098.2	1099.12	1098.08	1098.21	1097.35	1097.58	1098.35	1097.86	1097.84	1097.72	1097.5	1097.81	1097.72
9/28	1098.27	1098.29	1098.66	1098.67	1098.26	1098.47	1098.25	1098.6	1099.46	1098.1	1098.55	1098.37	1098.26	1098.2	1099.04	1098.11	1098.13	1097.3	1097.5	1098.27	1097.85	1097.75	1097.63	1097.45	1097.75	1097.63
9/29	1098.25	1098.28	1098.65	1098.62	1098.25	1098.39	1098.28	1098.57	1099.37	1098.1	1098.48	1098.26	1098.29	1098.23	1098.94	1098.15	1098.06	1097.24	1097.41	1098.27	1097.74	1097.63	1097.6	1097.49	1097.68	1097.61
9/30	1098.15	1098.23	1098.63	1098.56	1098.17	1098.34	1098.29	1098.54	1099.28	1098.1	1098.52	1098.14	1098.18	1098.19	1098.84	1098.22	1098.08	1097.28	1097.37	1098.17	1097.63	1097.53	1097.51	1097.46	1097.51	1097.51
10/1	1098.05	1098.18	1098.59	1098.5	1098.09	1098.28	1098.19	1098.52	1099.217	1097.9	1098.49	1098	1098.08	1098.09	1098.76	1098.2	1097.95	1097.23	1097.26	1098.12	1097.51	1097.45	1097.39	1097.43	1097.38	1097.49
10/2	1098	1098.1	1098.51	1098.45	1097.99	1098.2	1098.09	1098.53	1099.183	1097.9	1098.42	1097.95	1097.91	1098.64	1098.04	1097.8	1097.14	1097.16	1098.08	1097.43	1097.35	1097.25	1097.25	1097.32	1097.24	1097.43
10/3	1097.89	1097.96	1098.48	1098.42	1097.86	1098.19	1098.01	1098.55	1099.054	1097.8	1098.26	1097.81	1097.86	1097.82	1098.54	1097.98	1097.72	1097.01	1097.11	1098.06	1097.33	1097.26	1097.1	1097.26	1097.1	1097.29
10/4	1097.97	1097.85	1098.36	1098.36	1097.73	1098.14	1097.93	1098.62	1098.925	1097.6	1098.17	1097.66	1097.75	1097.69	1098.46	1097.87	1097.6	1096.98	1097.03	1098	1097.25	1097.16	1096.98	1097.15	1096.98	1097.25
10/5	1098.1	1097.74	1098.21	1098.28	1097.64	1098.04	1097.88	1098.73	1098.842	1097.5	1098.07	1097.6	1097.69	1097.58	1098.38	1097.75	1097.48	1096.86	1096.98	1098.04	1097.12	1097.11	1096.86	1097.06	1096.88	1097.22
10/6	1098.05	1097.64	1098.11	1098.2	1097.53	1097.99	1097.82	1098.74	1098.742	1097.4	1097.96	1097.52	1097.55	1097.49	1098.26	1097.68	1097.4	1096.73	1096.84	1098.04	1097	1097.07	1096.72	1097	1096.73	1097.13
10/7	1097.97	1097.54	1098	1098.07	1097.41	1097.92	1097.75	1098.7	1098.663	1097.4	1097.85	1097.37	1097.44	1097.43	1098.15	1097.62	1097.25	1096.63	1096.8	1098.01	1096.88	1096.9	1096.54	1096.92	1096.64	1097.06
10/8	1097.91	1097.41	1097.9	1097.95	1097.29	1097.85	1097.68	1098.66	1098.583	1097.4	1097.76	1097.22	1097.32	1097.3	1098.09	1097.5	1097.12	1096.54	1096.73	1097.89	1096.73	1096.77	1096.46	1096.84	1096.52	1096.99
10/9	1097.85	1097.27	1097.79	1097.86	1097.19	1097.81	1097.61	1098.65	1098.488	1097.4	1097.63	1097.1	1097.21	1097.18	1098.01	1097.4	1097.04	1096.47	1096.62	1097.75	1096.62	1096.66	1096.29	1096.76	1096.39	1096.91
10/10	1097.81	1097.17	1097.66	1097.77	1097.1	1097.81	1097.54	1098.63	1098.396	1097.3	1097.61	1097.05	1097.09	1097.06	1097.83	1097.27	1096.9	1096.38	1096.5	1097.68	1096.8	1096.59	1096.21	1096.62	1096.26	1096.92
10/11	1097.67	1097.06	1097.55	1097.66	1096.96	1097.79	1097.47	1098.61	1098.275	1097.2	1097.45	1096.9	1096.9	1096.83	1097.79	1097.2	1096.78	1096.27	1096.38	1097.62	1096.73	1096.5	1096.04	1096.54	1096.18	1096.8
10/12	1097.63	1096.97	1097.47	1097.58	1096.84	1097.76	1097.38	1098.53	1098.179	1097.1	1097.37	1096.84	1096.8	1096.87	1097.63	1097.14	1096.68	1096.16	1096.24	1097.48	1096.62	1096.39	1095.98	1096.41	1096.06	1096.7
10/13	1097.55	1096.84	1097.35	1097.52	1096.74	1097.69	1097.3	1098.46	1098.117	1097.1	1097.29	1096.58	1096.65	1096.72	1097.57	1097.02	1096.59	1096.11	1096.21	1097.44	1096.56	1096.26	1095.83	1096.35	1095.95	1096.62
10/14	1097.44	1096.7	1097.26	1097.46	1096.66	1097.63	1097.25	1098.4	1098.017	1097	1097.17	1096.49	1096.59	1096.59	1097.49	1096.94	1096.46	1096	1096.09	1097.41	1096.51	1096.16	1095.76	1096.25	1095.91	1096.51
10/15	1097.4	1096.6	1097.13	1097.4	1096.53	1097.61	1097.19	1098.35	1097.917	1096.8	1096.98	1096.41	1096.47	1096.49	1097.34	1096.78	1096.37	1095.89	1096.01	1097.26	1096.38	1096.03	1095.74	1096.12	1095.88	1096.38
10/16	1097.36	1096.51	1097.01	1097.3	1096.42	1097.65	1097.11	1098.29	1097.813	1096.8	1096.88	1096.32	1096.36	1096.51	1097.33	1096.68	1096.24	1095.78	1095.88	1097.19	1096.26	1095.97	1095.77	1096.01	1095.75	1096.26
10/17	1097.25	1096.4	1096.91	1097.21	1096.31	1097.65	1096.98	1098.26	1097.708	1096.7	1096.83	1096.2	1096.23	1096.74	1097.28	1096.68	1096.11	1095.7	1095.8	1097.21	1096.19	1095.84	1095.62	1095.9	1095.64	1096.15
10/18	1097.19	1096.26	1096.81	1097.11	1096.2	1097.69	1096.94	1098.24	1097.621	1096.6	1096.72	1096.08	1096.12	1096.8	1097.2	1096.57	1096.01	1095.62	1095.75	1097.2	1096.08	1095.69	1095.56	1095.78	1095.6	1096.02
10/19	1097.12	1096.14	1096.71	1096.99	1096.09	1097.64	1096.88	1098.19	1097.529	1096.5	1096.62	1095.98	1096	1096.77	1097.15	1096.51	1095.91	1095.54	1095.62	1097.14	1095.94	1095.62	1095.59	1095.69	1095.5	1095.97
10/20	1097.03	1096.03	1096.64	1096.89	1095.98	1097.61	1096.75	1098.13	1097.421	1096.4	1096.66	1095.82	1095.9	1097.44	1097.11	1096.5	1095.85	1095.42	1095.57	1097.02	1095.87	1095.5	1095.51	1095.58	1095.42	1095.83
10/21	1096.99	1095.96	1096.57	1096.79	1095.92	1097.6	1096.62	1098.07	1097.338	1096.3	1096.55	1095.64	1095.78	1098.2	1097	1096.42	1095.74	1095.33	1095.42	1096.95	1095.75	1095.34	1095.37	1095.49	1095.3	1095.7
10/22	1096.94	1095.82	1096.5	1096.7	1095.77	1097.54	1096.54	1098.02																		

11/18	1097.88	1093.36	1094.06	1094.11	1093.48	1097.64	1094.36	1097.15	1094.975	1096.61	1093.71	1093.44	1092.55	1096.91	1094.85	1093.96	1096.84	1093.08	1094.58	1096.48	1093.12	1092.17	1094.64	1092.25	1094.38	1094.76
11/19	1097.86	1093.29	1093.98	1093.99	1093.38	1097.72	1094.3	1097.1	1094.846	1096.63	1093.57	1093.6	1092.41	1097.13	1094.77	1093.85	1096.81	1092.98	1094.53	1096.49	1093	1092.02	1094.69	1092.19	1094.27	1094.77
11/20	1097.85	1093.28	1093.88	1093.89	1093.31	1097.76	1094.23	1097.1	1094.813	1096.72	1093.47	1093.65	1092.36	1097.15	1094.69	1093.75	1096.76	1092.88	1094.56	1096.51	1092.9	1091.88	1094.62	1092.07	1094.18	1094.75
11/21	1097.82	1093.19	1093.8	1093.81	1093.21	1097.78	1094.15	1097.05	1094.813	1096.73	1093.36	1093.69	1092.28	1097.12	1094.56	1093.66	1096.75	1092.76	1094.5	1096.44	1092.79	1091.77	1094.59	1091.9	1094.18	1094.73
11/22	1097.94	1093.07	1093.72	1093.66	1093.08	1097.79	1094.06	1096.96	1094.763	1096.7	1093.23	1093.85	1092.21	1097.04	1094.45	1093.59	1096.74	1092.68	1094.47	1096.43	1092.74	1091.74	1094.47	1091.83	1094.1	1094.67
11/23	1098.01	1092.95	1093.62	1093.55	1092.98	1097.84	1093.95	1096.9	1094.683	1096.69	1093.15	1093.89	1092.06	1097.06	1094.35	1093.48	1096.68	1092.52	1094.39	1096.41	1092.62	1091.65	1094.46	1091.71	1094.02	1094.62
11/24	1098.79	1092.85	1093.5	1093.44	1092.88	1097.98	1093.88	1096.86	1094.604	1096.68	1093.08	1093.93	1091.94	1097.01	1094.36	1093.38	1096.65	1092.47	1094.35	1096.38	1092.48	1091.56	1094.37	1091.71	1093.89	1094.54
11/25	1099.44	1092.77	1093.38	1093.32	1092.84	1098.21	1093.78	1096.79	1094.613	1096.73	1092.89	1093.95	1091.77	1096.98	1094.31	1093.33	1096.57	1092.31	1094.27	1096.37	1092.35	1091.42	1094.26	1091.62	1093.96	1094.48
11/26	1099.45	1092.66	1093.27	1093.21	1092.75	1098.36	1093.69	1096.72	1094.6	1096.68	1092.82	1094.01	1091.71	1096.96	1094.33	1093.25	1096.51	1092.23	1094.22	1096.37	1092.25	1091.29	1094.13	1091.51	1093.93	1094.38
11/27	1099.47	1092.59	1093.17	1093.11	1092.64	1098.44	1093.61	1096.62	1094.467	1096.66	1092.7	1094.04	1091.61	1096.83	1094.27	1093.12	1096.38	1092.12	1094.13	1096.37	1092.19	1091.22	1094.03	1091.46	1093.97	1094.31
11/28	1099.46	1092.49	1093.06	1093.03	1092.54	1098.62	1093.56	1096.55	1094.371	1096.66	1092.6	1094.13	1091.47	1096.86	1094.2	1092.99	1096.34	1092	1094.04	1096.34	1092.05	1091.1	1093.94	1091.36	1094.22	1094.25
11/29	1099.45	1092.4	1092.94	1092.94	1092.48	1099.27	1093.46	1096.49	1094.275	1096.59	1092.49	1094.19	1091.39	1096.81	1094.16	1092.9	1096.25	1091.96	1093.99	1096.31	1091.95	1090.98	1093.88	1091.28	1094.3	1094.13
11/30	1099.42	1092.26	1092.87	1092.84	1092.43	1099.61	1093.37	1096.42	1094.196	1096.48	1092.38	1094.27	1091.26	1096.8	1094.07	1092.81	1096.22	1091.78	1093.97	1096.26	1091.88	1090.85	1093.8	1091.22	1094.29	1094.03
12/1	1099.39	1092.14	1092.75	1092.79	1092.41	1099.45	1093.32	1096.34	1094.108	1096.54	1092.29	1094.35	1091.12	1096.71	1093.93	1092.72	1096.13	1091.71	1093.89	1096.25	1091.76	1090.71	1093.73	1091.29	1094.28	1093.96
12/2	1099.38	1092.03	1092.63	1092.7	1092.35	1099.21	1093.22	1096.26	1094.088	1096.5	1092.2	1094.42	1091.01	1096.7	1093.92	1092.62	1096.05	1091.68	1093.83	1096.22	1091.65	1090.6	1093.68	1091.15	1094.27	1093.88
12/3	1099.36	1091.91	1092.52	1092.61	1092.25	1099.09	1093.12	1096.17	1093.983	1096.43	1092.05	1094.45	1090.91	1096.63	1093.83	1092.5	1095.99	1091.81	1093.75	1096.1	1091.54	1090.5	1093.58	1091.09	1094.26	1093.86
12/4	1099.39	1091.81	1092.4	1092.55	1092.15	1099.27	1093.03	1096.08	1093.863	1096.34	1091.88	1094.47	1090.82	1096.6	1093.8	1092.38	1095.91	1091.86	1093.66	1096.03	1091.47	1090.4	1093.56	1090.97	1094.22	1093.75
12/5	1099.4	1091.72	1092.27	1092.43	1092.05	1099.32	1092.98	1095.99	1093.742	1096.31	1091.79	1094.48	1090.71	1096.5	1093.7	1092.26	1095.81	1091.86	1093.59	1095.92	1091.33	1090.33	1093.5	1090.78	1094.14	1093.74
12/6	1099.36	1091.67	1092.15	1092.32	1091.96	1099.36	1092.89	1095.9	1093.65	1096.34	1091.7	1094.37	1090.6	1096.48	1093.55	1092.15	1095.76	1091.83	1093.54	1095.77	1091.25	1090.22	1093.44	1090.66	1094.12	1093.69
12/7	1099.32	1091.59	1092.06	1092.21	1091.87	1099.36	1092.8	1095.82	1093.529	1096.29	1091.56	1094.23	1090.49	1096.43	1093.48	1092.05	1095.66	1091.75	1093.48	1095.66	1091.24	1090.12	1093.37	1090.53	1094.08	1093.66
12/8	1099.28	1091.5	1091.96	1092.14	1091.77	1099.37	1092.75	1095.74	1093.45	1096.17	1091.46	1094.14	1090.37	1096.31	1093.49	1091.92	1095.61	1091.68	1093.41	1095.55	1091.12	1089.97	1092.7	1090.4	1094.03	1093.75
12/9	1099.25	1091.45	1091.87	1092.1	1091.69	1099.39	1092.66	1095.65	1093.338	1096.1	1091.35	1093.99	1090.25	1096.27	1093.41	1091.79	1095.51	1091.62	1093.31	1095.46	1091.08	1089.83	1093.19	1090.28	1094.04	1093.97
12/10	1099.22	1091.33	1091.8	1092.07	1091.6	1099.43	1092.61	1095.55	1093.238	1096.1	1091.21	1093.84	1090.15	1096.17	1093.45	1091.72	1095.45	1091.54	1093.27	1095.31	1090.97	1089.75	1093.07	1090.16	1094.09	1094.06
12/11	1099.17	1091.25	1091.71	1092	1091.51	1099.48	1092.51	1095.46	1093.125	1096	1091.08	1093.77	1090.07	1096.11	1093.55	1091.59	1095.42	1091.5	1093.18	1095.2	1090.9	1089.63	1092.98	1090.04	1094.17	1094.08
12/12	1099.1	1091.19	1091.61	1091.92	1091.44	1099.51	1092.42	1095.36	1093.058	1096.02	1090.94	1093.71	1090.03	1096.06	1093.59	1091.5	1095.37	1091.48	1093.13	1095.07	1090.88	1089.57	1092.9	1089.97	1094.25	1094.13
12/13	1099.03	1091.08	1091.5	1091.81	1091.34	1099.46	1092.35	1095.27	1093	1095.96	1090.82	1093.62	1090.05	1095.99	1093.58	1091.36	1095.42	1091.41	1092.99	1094.97	1090.85	1089.41	1092.76	1089.87	1094.24	1094.13
12/14	1098.95	1090.97	1091.4	1091.74	1091.23	1099.4	1092.25	1095.17	1092.921	1095.87	1090.7	1093.54	1090.11	1095.9	1093.58	1091.24	1095.46	1091.3	1092.96	1094.87	1090.87	1089.28	1092.64	1089.78	1094.16	1094.11
12/15	1098.89	1090.86	1091.29	1091.65	1091.14	1099.34	1092.15	1095.06	1092.825	1095.97	1090.61	1093.5	1090.16	1095.84	1093.57	1091.13	1095.43	1091.25	1092.85	1094.8	1090.72	1089.16	1092.59	1089.75	1094.15	1094.04
12/16	1098.82	1090.76	1091.18	1091.55	1091.09	1099.31	1092.05	1095.02	1092.708	1095.83	1090.54	1093.35	1090.23	1095.8	1093.52	1091.01	1095.34	1091.14	1092.75	1094.7	1090.62	1089.03	1092.54	1089.74	1094.07	1094.01
12/17	1098.78	1090.65	1091.1	1091.44	1091.04	1099.28	1091.93	1094.95	1092.613	1095.93	1090.45	1093.32	1090.19	1095.75	1093.41	1090.89	1095.27	1091.06	1092.68	1094.6	1090.51	1088.91	1092.5	1089.72	1094.06	1093.93
12/18	1098.71	1090.55	1090.98	1091.33	1090.98	1099.25	1091.82	1094.86	1092.508	1095.97	1090.3	1093.22	1090.16	1095.66	1093.39	1090.78	1095.16	1091.03	1092.6	1094.5	1090.45	1088.78	1092.39	1089.66	1094.01	1093.9
12/19	1098.61	1090.46	1090.87	1091.23	1090.91	1099.22	1091.72	1094.75	1092.363	1095.93	1090.18	1093.17	1090.14	1095.48	1093.4	1090.71	1095.13	1090.98	1092.47	1094.4	1090.37	1088.66	1092.35	1089.63	1093.98	1093.82
12/20	1098.51	1090.33	1090.78	1091.12	1090.88	1099.19	1091.63	1094.65	1092.258	1095.94	1090.06	1093.07	1090.13	1095.43	1093.31	1090.62	1095.02	1090.87	1092.35	1094.3	1090.26	1088.55	1092.3	1089.6	1094.02	1093.77
12/21	1098.43	1090.23	1090.68	1091.02	1090.8	1099.14	1091.54	1094.56	1092.117	1095.88	1090	1092.98	1090.11	1095.37	1093.24	1090.51	1094.94	1090.76	1092.35	1094.23	1090.15	1088.53	1092.23	1089.53	1094.02	1093.76
12/22	1098.32	1090.13	1090.6	1090.91	1090.72	1099.09	1091.44	1094.46	1091.996	1095.81	1089.94	1092.89	1090.09	1095.24	1093.14	1090.43	1094.86	1090.66	1092.22	1094.07	1090.12	1088.51	1092.15	1089.5	1093.97	1093.68
12/23	1098.24	1090.03	1090.5	1090.8	1090.64	1099.04	1091.34	1094.36	1091.871	1095.74	1089.9	1092.78	1090.06	1095.26	1093.1	1090.38	1094.83	1090.63	1092.13	1093.94	1090	1088.5	1092.08	1089.51	1093.89	1093.63
12/24	1098.15	1089.91	1090.41	1090.7	1090.55	1098.99	1091.27	1094.26	1091.767	1095.72	1089.89	1092.66	1090.03	1095.17	1093.08	1090.35	1094.78	1090.53	1092.05	1093.81	1089.88	1088.5	1091.95	1089.49	1093.87	1093.53
12/25	1098.06	1089.8	1090.29	1090.59	1090.45	1098.92	1091.23	1094.15	1091.692	1095.67	1089.91	1092.56	1089.99	1095.09	1093	1090.35	1094.7	1090.47	1091.94	1093.7	1089.84	1088.51	1091.85	1089.47	1093.77	1093.48
12/26																										