Groundwater Monitoring Report
December 2019

Coleman Oil Company Facility
3 East Chehalis Street
Wenatchee, Washington

Prepared for:

Coleman Oil Company
335 Mill Road
Lewiston, Idaho 83501

March 12, 2020

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HydroCon Project No: 2017-074

Prepared by:

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Table of Contents

1.0 INTRODUCTION 1
1.1 Document Organization 1
2.0 BACKGROUND INFORMATION 2
2.1 Site Description 2
2.2 Site History 2
2.3 Remedial Measures 2
2.4 Geologic & Hydrogeologic Setting 4
2.5 Hydraulic Testing 4
2.6 Previous Groundwater Monitoring 5
2.7 Monitoring Well Identification 6
3.0 FIELD WORK 7
3.1 Groundwater Sampling Procedures 7
3.2 Laboratory Analysis 8
4.0 GROUNDWATER MONITORING RESULTS 9
4.1 Groundwater Conditions 9
4.2 Groundwater Sampling Results 9
4.3 Field Parameters 10
4.4 Data Quality Review 11
5.0 DISCUSSION 12
5.1 Discussion of Laboratory Results 12
5.2 Trends in GRPH and DRPH Concentrations in Groundwater 12
5.3 Extent of Groundwater Contamination 14
5.3.1 Diesel Range Petroleum Hydrocarbons 14
5.3.2 Gasoline Range Petroleum Hydrocarbons 15
6.0 FUTURE MONITORING SCHEDULE 16
6.1 Daily Columbia River Level and Water Level Measurements 16
6.2 Weekly to Monthly Water Level and Product Thickness Measurements 16
6.3 Planned Modification to the Remediation System 16
6.4 Future Groundwater Sampling 16
7.0 QUALIFICATIONS 17
8.0 REFERENCES 18
FIGURES 19

List of Figures

Figure 1 – Site Location Map
Figure 2 – Site Features Map
Figure 3 – Groundwater Elevation Contour Plot for December 19, 2019
Figures 4a, 4b, 4c, 4d, 4e, 4f, 4g, 4h – Trend Plots
Figure 5 – DRPH in Groundwater for December 2019
Figure 6 – GRPH in Groundwater for December 2019

List of Tables

Table 1 – Well Construction Details
Table 2 – Depth to Water and Groundwater Elevation
Table 3 – Summary of Groundwater Analytical Results - Fuels and VOCs
Table 4 – Historical Groundwater Analytical Results - PAHs
Table 5 – Summary of Groundwater Analytical Results - Geochemical Parameters
Table 6 – Vertical Groundwater Gradients
Table 7 – Statistical Analysis - Trends of GRPH and DRPH in Groundwater
Table 8 – List of Wells to be Sampled and Associated Laboratory Analyses

Appendices

Appendix A – Groundwater Sample Collection Forms
Appendix B – Laboratory Report and Chain-of-Custody Documentation
Appendix C – Data Quality Review Reports
Appendix D – Water Level and Product Thickness Measurements Form

Acronyms

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

EXECUTIVE SUMMARY

This Groundwater Monitoring Report provides the scope and findings of groundwater monitoring that was performed in December 2019. This monitoring event was performed to assess groundwater quality at the Site following the completion of the Supplemental Remedial Investigation (SRI) in 2019 as well as to document the direction and gradient of groundwater flow and groundwater contaminant levels.

Routine groundwater monitoring will continue for the foreseeable future until a reduced monitoring schedule is approved by the Washington State Department of Ecology (Ecology). Groundwater monitoring included the following tasks and reporting:

- Due to freezing weather conditions, HydroCon did not turn off the pumps at the nine pumping wells (MW09R, MW10R, BH01R, MW17, MW24, MW28, MW29, MW30 and MW32) to allow water levels to equilibrate prior to sampling. This has been the standard protocol used at the site so that water levels can be measured in the aquifer under static conditions. HydroCon turned the pump off at each individual pumping well to collect a water sample and then turned the pump back on after the sample was collected. This process was repeated for each pumping well.
- As discussed above, HydroCon was unable to obtain static water level measurements. A round of water level measurements was collected after groundwater sampling was completed on December 19, 2019. These measurements were taken with the pumping wells being active. A groundwater elevation contour plot of this data set is included in Figure 3.
- Collect groundwater samples for chemical analysis at selected wells listed on Table 6.
- Review the laboratory results and perform a data validation review and summary.
- Compile the depth to water, product level information, and analytical data into summary tables and figures.
- Prepare a discussion on the laboratory results, groundwater flow direction and gradient, trends in groundwater chemistry, and the extent of gasoline range petroleum hydrocarbons (GRPH) and diesel range petroleum hydrocarbons (DRPH) contamination in groundwater at the site.
- Update the tentative schedule of future groundwater monitoring events.

1.0 INTRODUCTION

HydroCon Environmental, LLC (HydroCon), has prepared this Groundwater Monitoring Report on behalf of Coleman Oil Company (Coleman Oil) to assess groundwater quality following the 2017 release of renewable diesel (R99) fuel from leaking underground piping at the Coleman Oil fuel storage facility at 3 Chehalis Street in Wenatchee, Washington (herein referred to as the Property). This report has been prepared to meet the requirements of Exhibit B – Scope of Work and Schedule of Agreed Order No. DE 15389 entered into by Coleman Oil Company, LLC; Coleman, Services IV, LLC; and Ecology with an effective date of October 30, 2017 (Agreed Order).

The Site, as defined under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), Chapter 173-340 of the Washington Administrative Code (WAC §173-340-200), comprises the portion of the Property and adjacent properties where hazardous substances have come to be located in soil, groundwater, and surface water at concentrations suspected to exceed applicable cleanup levels as a result of releases at the Property (herein referred to as the Site).

1.1 *Document Organization*

The Groundwater Monitoring Report is organized as follows:

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

Section 3, Field Work

Section 4, Groundwater Monitoring Results

Section 5, Discussion

Section 6, Future Monitoring Schedule

Section 7, Qualifications

Section 8, References

2.0 BACKGROUND INFORMATION

The following section provides a summary of the Site location and description, geologic setting, historical land use, environmental history, and contaminants and media of concern at the Site. Most of the information provided below is summarized from the Supplemental Remedial Investigation (SRI) Work Plan (HydroCon 2018a) and the Draft SRI Report (HydroCon 2018b).

2.1 Site Description

The Site is located at 3 Chehalis Street in Wenatchee, Washington. The Site is located nearly adjacent to the west side of the Columbia River. Land use near the Site is primarily industrial (Figure 1).

2.2 Site History

This section provides a brief Site history, focusing on the discovery of a release of R99 in March 2017. Additional Site history is documented in the SRI Report.

The Site was operated as a bulk fuel facility from 1921 to 2017. Coleman Oil operated the bulk fuel facility from Coleman Services IV, LLC's purchase of the Property in January 2007 until its decommissioning in 2017.

A petroleum sheen was discovered on the west side of the Columbia River approximately 300 feet north of the Site on March 17, 2017. Subsequent line tightness testing revealed that two lines could not hold pressure, and a review of Coleman Oil inventory records indicated that the release was most likely from the R99 renewable diesel fuel line. Oil storage and loading and unloading of trucks for oil distribution were terminated in 2017 except for a small underground storage tank that supplies fuels to the adjacent cardlock fueling facility.

Subsequent testing included the installation of groundwater monitoring wells, soil borings, and test pits in phases between March and September 2017 by Farallon (2017) and March and April 2018 by HydroCon (2018b) (Figure 2). This testing indicated soil and groundwater had been impacted at concentrations above MTCA Method A cleanup levels, including impacts to soil and groundwater near the location of the sheen.

2.3 Remedial Measures

Several remedial measures have taken place at the Site since the discovery of the release.

- Pads and booms have been placed in the Columbia River in the observed sheen discharge area to recover product since discovery of the release. This practice has continued along with daily reporting regarding Columbia River conditions, now reduced to daily observations but weekly reporting.

- A remedial excavation was performed at the Coleman Oil facility near the point of release. Approximately 741 tons of petroleum contaminated soil was removed for offsite disposal.
- Sumps were placed in the remedial excavation backfill. Pumps were placed in the sumps to recover product and maintain a cone of depression to minimize product migration. Effluent from the sumps was routed to an oil/water separator and settling tanks prior to treatment using granular activated carbon (GAC). The treated water was disposed under permit into the City of Wenatchee's sanitary sewer system.
- Farallon Consulting and Ecology's consultant (Environmental Partners, Inc. [EPI]) installed fifteen wells at the Site (MW-1 through MW-11, BH-1 through BH-3, and RW-1). Product recovery via skimming using a peristaltic pump and tubing and/or passive recovery using hydrophobic socks occurred in some of the wells.
- In April 2018, HydroCon performed a supplemental remedial investigation (SRI) that included the addition of fourteen new 4-inch diameter monitoring wells (MW12 through MW23, MW01S, MW03S). Three wells with persistent light nonaqueous-phase liquid (LNAPL) measurements (MW-9, MW-10, and BH-1) were fitted with pumps and connected with underground piping for pressurized air to operate the pumps, and conduit for electrical power for heat tape at each pumping well and effluent piping to collect the recovered groundwater and product. The recovered groundwater and product from these wells were routed through three oil/water separators, into storage tanks and then through filtration and GAC and into storage tanks. The treated water was analyzed prior to discharge in batches under an agreement between Coleman Oil and the City of Wenatchee into the City's sanitary sewer system. Pumping of the three wells began on May 5, 2018.
- In August 2018 nine new 4-inch diameter monitoring wells (MW24 through MW32) were installed at the Site. Two of the wells used to recover product and contaminated groundwater (MW-9 and MW-10) were deepened, completed as 4-inch diameter wells, and renamed MW09R and MW10R, respectively.
- A release of diesel and gasoline from a 55-gallon drum onto the ground surface occurred at the Site near the northeastern corner of Tank Farm A in early September 2018. In response, a total of 16.83 tons of petroleum contaminated soil was removed by remedial excavation. Confirmation soil sampling results indicated that the lateral extent of contamination had been removed. However, the concentration of GRPH and DRPH in the excavation floor sample collected near the groundwater interface exceeded their respective MTCA Method A cleanup levels. No further excavation was attempted due to the proximity of the Tank Farm A containment and a massive boulder that was too large to remove using the excavation equipment. Further remedial action in this area was considered in the feasibility study that was prepared later for the Site.
- The remediation system for recovering product and treating groundwater was expanded in November 2018 to include six more recovery points (MW17, MW24, MW28, MW29, MW30, and MW32). The modified remediation system now consists of three separate zones that

pump LNAPL and contaminated groundwater into an associated OWS. These zones include the MW09R zone (MW09R, MW17, and MW32); the MW10R zone (MW10R, MW24, and MW28); and the BH-1 zone (BH01R, MW29, and MW30) with all 9 wells active. The expanded remediation system began pumping on November 2, 2018.

As of early December 31, 2018, a total of 449.34 gallons of product had been recovered (HydroCon 2018b). The majority of the product is believed to be R99 from the 2017 release. Other fuel products have been identified by forensic analysis to be present in the subsurface, including gasoline, non-R99 diesel fuel, and lubricating oil, so it is likely that some of the recovered product is something other than R99.

2.4 Geologic & Hydrogeologic Setting

The Site is located in the Wenatchee Valley approximately 150 feet west south-west of the Columbia River at an elevation of approximately 660 feet above mean sea level (Figure 1). The topography of the Site slopes very gently to the north north-east parallel to the Columbia River.

The soils beneath the Site are consistent with ice-age alluvial deposits underlain by the Chumstick Formation bedrock. The alluvium consists primarily of silt and silty sand, with layers of clay, sand, gravel, cobbles and boulders. The thickness of the alluvial deposits ranges from 6 to 31.5 feet. Boring logs and drilling observations indicate that a more massive, well cemented sandstone layer is beneath thin layers of mudstone, shale and sandstone and the sandstone appears to be acting as an aquitard in this area. The groundwater level is within a few feet of the top of the Chumstick Formation and always above the sandstone layer. An exception is at MW22 where the groundwater is approximately 15 feet above the top of the Chumstick formation. The MW22 area has been disturbed by previous excavation and has been backfilled with construction and other debris.

Contaminant transport and groundwater flow appears to follow the surface of the Chumstick formation and field observations paired with analytical data suggest that the petroleum contamination penetrates a few feet into the formation and travels laterally within the shaley sandstone and shale/siltstone/mudstone of the Chumstick formation. The groundwater flow direction and the dip of the sandstone surface are both to the north/ northeast, except in the region between the Site and the Columbia River (near the riverbank), where both are more to the east. Aquifer testing performed in February 2018 demonstrated that none of the wells tested are hydraulically connected. However, over 200 gallons of R99 (based on product recovery totals) has been recovered from the Columbia River with the apparent discharge points being west of monitoring wells BH-2 (south) to MW-10 (north).

2.5 Hydraulic Testing

Hydraulic testing of the aquifer beneath the Site has been conducted on two occasions and are briefly summarized here.

Six wells were subjected to step-drawdown testing in February 2018 (HydroCon 2018c). Three wells (RW-1, BH-2, and BH-3) could not sustain the initial step pumping rate of 0.25 gallons per minute (gpm) and dewatered after pumping approximately the amount of water stored in the well screen and surrounding sand pack. Wells BH-1, MW-9, and MW-10 sustained step flow rates of between 2.0 and

2.5 gpm before water levels reached target elevations. Drawdown was not observed in any nearby monitoring wells during the six step-drawdown tests. Analysis of the drawdown data indicated that at a pumping rate of 1.75 gpm the three wells would produce approximately 3.5 feet of drawdown in the aquifer adjacent to the pumping well and the cone of influence would extend out to approximately 100 feet as defined by a drawdown of 0.1 feet.

Slug testing or falling head testing was performed on May 21, 2018 to observe relative flow rates of select wells on the Coleman oil property to better understand contaminant flow across the Site. Slug testing included MW-7, MW-8, MW-9, MW-11, MW13, MW14, MW16, MW17, MW19, MW20, MW22, and MW23.

A falling-head test is conducted by rapidly raising the water level in the control well and subsequently measuring the falling water level. The results of the slug tests show that MW-6, MW-11, MW17 and MW22 had high flow rates; MW-8, MW14, MW16, MW20 and MW23 had medium flow rates; and MW-7, MW13, MW19, and MW21 had low flow rates. The relative flow rates are highly variable across the Site; however, there is a good correlation between wells with high flow rates and high product recovery.

Based on the testing described above, pumps were installed at monitoring wells MW-9, MW-10, and BH-1. With the exception of minor equipment problems, the wells have been in operation since May 5, 2018. It should be noted that the pumps only operate when the water level in the respective well is at the level of the pump intake. When the pumps are activated, they pump at a rate of approximately 2 gpm as determined by the hydraulic testing. The intake for the pumps in the wells are set at approximately 618 feet above mean sea level (amsl), which corresponds to the elevation of the lowest seep on the bank of the Columbia River (Figure 2). As such, the pumps achieve the goal of maintaining water levels at target depths and thereby reducing migration of free product to the river.

2.6 Previous Groundwater Monitoring

Farallon collected reconnaissance groundwater samples from push-probe borings FB-9 and FB-10 on April 7, 2017. Results of these samples indicated that GRPH, DRPH, and benzene exceeded their respective MTCA Method A cleanup level. The concentration of oil range petroleum hydrocarbons (ORPH) exceeded the MTCA Method A cleanup level in the sample collected from FB-9. The lab reported that the sample collected from FB-10 had no detection of ORPH but the laboratory method reporting limit (MRL) used in the analysis exceeded the MTCA Method A cleanup level.

Monitoring wells MW-1, MW-2, MW-4, and MW-5 were sampled on March 23, 2017 prior to the installation of new monitoring wells at the Site in April 2017. The samples were analyzed for DRPH and ORPH only. There was no detection of DRPH or ORPH in the samples collected from MW-2, MW-4, or MW-5. The sample collected from MW-1 had a concentration of DRPH slightly above the MTCA Method A cleanup level and ORPH slightly below the MTCA Method A cleanup level.

A site-wide groundwater monitoring and sampling event occurred on April 20 and 21, 2017 after the installation of wells MW-6 through MW-11, BH-1 through BH-3, and RW-1. Groundwater samples were not collected from monitoring wells MW-8 and MW-9 due to the presence of LNAPL at these locations. Monitoring well MW-2 was not sampled due to historic results of no detection of any

contaminant above the respective MRLs.

Another site-wide groundwater monitoring and sampling occurred on September 28 and 29, 2017. Groundwater samples were not collected from monitoring wells BH-1 and BH-2 due to lack of water in these wells. DRPH, ORPH, GRPH, and/or benzene were detected at concentrations exceeding their respective MTCA Method A cleanup levels in monitoring wells BH-1 through BH-3, MW-1, and MW-6 through MW-11 and in recovery well RW-1 during the April and/or September groundwater sampling events.

HydroCon performed a groundwater monitoring and sampling event in April 2018 after additional wells (MW12 through MW23 and MW01S and MW03S) were installed during the SRI. Groundwater samples were collected from monitoring wells MW01S, MW-2, MW03S, MW-4 through MW14, MW16, MW17, MW19 through MW23, BH-1, BH-2, BH-3, and RW-1. Groundwater samples were not collected from MW15 and MW18 due to a lack of water. Groundwater samples were not collected from MW-1 and MW-3 due to improper well construction.

In August 2018, HydroCon installed monitoring wells MW24 through MW32 to facilitate interim remedial actions and to fill data gaps for the SRI (HydroCon 2018d). This report includes the fifth sampling results for these wells.

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

2.7 Monitoring Well Identification

HydroCon utilizes a well and boring identification convention that differentiates wells and boring installed by HydroCon verses installations by others. Wells and borings installed by others include a hyphen in the identification (e.g., MW-11, BH-1) whereas those installed or modified by HydroCon do not include a hyphen (e.g., MW12, HC01).

3.0 FIELD WORK

This section describes the sampling procedures, analytical methods, groundwater conditions, and laboratory results for wells sampled or monitored in December 2019. A data quality review is included.

3.1 Groundwater Sampling Procedures

As discussed in the Executive Summary, HydroCon did not turn off the remediation system prior to groundwater sampling to collect static water levels due to concerns about the pipes freezing. Each of the pumping wells was turned off individually to collect a groundwater sample and then immediately restarted. Water level monitoring during this sampling event was done after the sampling had been completed and with the remediation system turned on. The general groundwater flow direction is shown on Figure X using arrows.

Prior to sample collection the water level in each well was measured using a clean electronic water level indicator. Water levels were measured at the scribed reference mark (north side of the top of the polyvinyl chloride casing) at each well. The water level was documented on the Groundwater Sample Collection Forms (Attachment A).

HydroCon collected groundwater samples on December 16 through December 18, 2019 from 25 site monitoring and recovery wells (Tables 2 and 3). The following wells shown on Table 2 were not sampled for the following reasons:

- FB-9 and FB-10 are reconnaissance groundwater samples. Monitoring wells were not installed in these direct-push boreholes.
- HydroCon did not collect groundwater samples from MW-1, MW-2, MW-3, MW-4, MW-5, MW-7 and MW22. HydroCon petitioned Ecology to cease sampling in these wells due to improper well construction, no detection of chemicals of concern (COCs) in the well, monitoring well MW-7 being so close to MW23, and MW22 being located outside of the plume that originates at the Coleman Oil Site. This request was approved by Ecology[1].
- MW15 and MW18 were not sampled due to insufficient water in the wells.
- MW10R and MW24 were not sampled because recharge did not occur after the wells were shut off two days earlier and the pumps were not removed due to concerns about freezing weather.

Three field duplicate samples (MW301-W, MW302-W, and MW303-W) were collected from MW17, MW13R, and MW20, respectively, for quality assurance/quality control (QA/QC) purposes.

Prior to groundwater sampling, monitoring wells were purged with a low-flow peristaltic pump or bladder pump equipped with a new length of low-density polyethylene tubing attached to a new length of silicone tubing in accordance with U.S. Environmental Protection Agency (EPA) guidance for low-flow

[1] Washington State Department of Ecology. *Comments on Supplemental Remedial Investigation Report*. August 16, 2018.

sampling[2]. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in each well. During purging, water quality was monitored using a Quanta Multi-parameter water quality meter equipped with a flow-through cell. The water quality parameters monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Each well was purged until all six water quality parameters stabilized or the minimum parameter subset of pH, specific conductance, temperature, and turbidity and/or dissolved oxygen stabilized. *Groundwater Sample Collection Forms* and *Daily Field Reports* are included as Appendix A.

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

Purge water generated during the monitoring event was collected in 5-gallon buckets and transferred to the oil water separators in the onsite treatment system for treatment and discharge to the City sanitary system.

3.2 Laboratory Analysis

The analytical protocols for the samples collected at the Property include the required testing for petroleum releases for gasoline (Table 830-1 in the MTCA Cleanup Regulations Chapter 173-340 WAC). The analytical methods include:

- GRPH using Northwest Method NWTPH-Gx
- DRPH and ORPH using Northwest Method NWTPH-Dx
- BTEX using EPA Method 8260C

[2] *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures (April 1996).* EPA/540/S-95/504

4.0 GROUNDWATER MONITORING RESULTS

4.1 Groundwater Conditions

HydroCon measured water levels at 38 wells on December 19, 2019, the day after the groundwater sampling had been completed at the site. The remediation system was active when the measurements were collected. The depth to water measurements for December 19, 2019 and calculated groundwater elevations at each well are summarized on Table 2. It should be noted that monitoring wells MW15 and MW18 were dry so no groundwater elevations for those wells could be calculated.

On December 19, 2019 the depth to water at the Site ranged from 7.95 feet bgs (MW-3) to 38.00 feet bgs (MW-5) and groundwater elevations ranged from 617.78 (MW30) to 650.31 (MW-3) feet amsl. A groundwater elevation contour plot was prepared from this data set (Figure 3). Groundwater flow across the Site was generally to the northeast with a more easterly flow in the southern portion of the Site. The groundwater gradient between MW13R, near the middle of the property, and MW31 was 0.074 ft/ft. The gradient in the southern portion of the Site between MW-2 and MW-5 is much steeper at 0.45 ft/ft.

Vertical gradients were calculated for well pairs MW-1/MW01S and MW-3/MW03S located in the southern portion of the Site. These well pairs are located within 10 horizontal feet of each other. The vertical hydraulic gradient within an aquifer (or between two aquifers separated by an aquitard) is calculated by dividing the difference in hydraulic head (or water level elevation) by the vertical (elevation) distance between the well screen midpoints. Table 6 provides the parameters and calculations for the vertical gradients of the well pairs.

The groundwater elevations for each well pair are very similar, with slightly higher elevations for the deeper wells (MW-1 and MW-3) indicating a very slight upward vertical gradient. The calculated vertical gradient for MW-1/MW01S was 0.086 ft/ft and the vertical gradient for MW-3/MW03S was 0.017 ft/ft for the August 29, 2019 measurement.

These very small vertical gradients indicate that vertical gradients do not play a significant role in contaminant distribution or transport, at least in the southern portion of the Site. The vertical gradients for MW-1/MW01S were nearly identical to the four previous groundwater monitoring measurements.

4.2 Groundwater Sampling Results

Laboratory analytical results are reported as micrograms per liter (µg/L) or parts per billion. The results are provided on Table 3 and laboratory reports are included as Appendix B. A summary of the results for each constituent sampled is provided below.

Gasoline Range Petroleum Hydrocarbons

GRPH was detected above the laboratory's method reporting limit (MRL) in 14 wells including MW-6, MW-8, MW09R, MW-11, MW13R, MW14, MW17, MW20, MW28, MW29, MW30 BH01R, BH-2, and BH-3. The GRPH concentration ranged up to 3,960 µg/L with the highest concentration at MW29. The MTCA Method A cleanup level for GRPH is 800 µg/L and was exceeded in the samples collected from BH01R, MW-8, MW-11, MW14, MW17 and MW29.

Diesel Range Petroleum Hydrocarbons

DRPH was detected above the MRL in every well sampled with concentrations ranging up to 1,120,000 µg/L. The highest DRPH concentration was detected at MW-8. The MTCA Method A cleanup level for DRPH of 500 µg/L was exceeded in the samples collected from BH01R, BH-2, MW-6, MW-8, MW-11, MW13R, MW14, MW17, MW19, MW20, MW28, MW29 and MW30.

Oil Range Petroleum Hydrocarbons

ORPH was not detected above the MRL in any of the samples. It should be noted that the MRL in the samples collected from BH01R, MW-8 and MW29 exceeds the MTCA Method A cleanup level of 500 µg/L. HydroCon assigned an "ec" (exceeds the MTCA Method A Cleanup Level) data qualifier on those results. Therefore, it is unknown if the results comply with the cleanup standard.

Benzene

Benzene was detected above the MRL in 3 wells including MW13R, MW14 and MW17 at concentrations ranging up to 47.3 µg/L. The highest concentration was seen in MW13R. The MTCA Method A cleanup level for benzene (5 µg/L) was exceeded in the samples collected from MW13R and MW14.

Toluene

Toluene was not detected above the MRL in any of the samples.

Ethylbenzene

Ethylbenzene was detected in 3 wells above the MRL including MW13R, MW14 and MW17 at concentrations up to 3.10 µg/L. None of the concentrations exceed the MTCA Method A cleanup level of 700 µg/L.

Total Xylenes

Total xylenes were detected above the MRL in the samples collected from 2 wells including MW13R and MW14 at a concentration up to 5 µg/L. None of the concentrations exceed the MTCA Method A cleanup level of 1,000 µg/L.

Polynuclear Aromatic Hydrocarbons

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

4.3 Field Parameters

Dissolved Oxygen – The dissolved oxygen content in the samples collected from the site ranged from

0.14 to 6.08 mg/L. These low values indicate that groundwater at the site has a low oxygen content[3].

Redox Potential – Redox potential is a measure with which a molecule will accept electrons. It is measured in millivolts (mV). The more positive the redox potential, the more readily a molecule can be reduced. The redox potential in the samples collected from the site ranged from -112 mV to 65.3 mV.

pH – pH is a measure of the acidity or alkalinity of a solution. The pH scale ranges from 0 to 14. A pH less than 7 is considered to be acidic. A pH greater than 7 is considered to be basic or alkaline. The pH in the samples collected at the site ranged from 6.29 to 7.36.

4.4 Data Quality Review

Laboratory testing of groundwater are included in Appendix B as APEX Work Orders A9L0812. The *Data Quality Review Report* is included in Appendix C. The review of the analytical results included the following:

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

Data were qualified by the laboratory due to matrix interference, compound identification issues, limited sample volume and/or LCS/CCV recoveries. These qualifiers resulted in validation qualifiers of estimated quantity (J). No data were rejected and completeness was 100 percent.

All results are usable for their intended purpose. Data qualifications are identified in detail in full *Data Validation Report* included in Appendix C.

[3] *User's Manual: Natural Attenuation Analysis Tool Package for Petroleum Contaminated Groundwater,* Toxics Cleanup Program Publication No. 05-09-091A. July Ecology, July 2005.

5.0 DISCUSSION

This section provides a breakdown of results of the December 2019 groundwater monitoring event compared to prior monitoring events.

5.1 Discussion of Laboratory Results

Results of the December 2019 groundwater monitoring event indicated that 13 of the 25 wells sampled at the Site (MW-6, MW-8, MW-11, MW13R, MW14, MW17, MW19, MW20, MW28, MW29, MW30, BH01R and BH-2) have one or more COC above their respective CUL. This is a decrease of 2 wells compared to the results of the August 2019 groundwater monitoring results. However, it should be noted that monitoring wells MW15 and MW18 were dry and pumping wells MW10R and MW24 had an insufficient amount of water to sample, so no samples were collected to assess water quality in these wells. Trend plots (Figures 4A through 4H) were not prepared for the wells not sampled during this groundwater monitoring event.

5.2 Trends in GRPH and DRPH Concentrations in Groundwater

HydroCon has prepared trend plots of GRPH and DRPH the 25 wells sampled (Figures 4a, 4b, 4c, 4d, 4e, 4f, 4g, and 4h). A discussion of groundwater trends of each these wells are provided below.

BH-1/BH01R – DRPH: A significant increase began in December 2018 through March 2019 followed by significant decrease in August 2019 followed by another significant increase during this sampling event. GRPH: Minor fluctuation in this well with no apparent trend. Pumping began in this well in May 2018.

BH-2 – DRPH appears to be fluctuating with no apparent trend. A general decreasing trend in GRPH is observed in this well.

BH-3 – DRPH: The concentration decreased in this well through August 2018. Thereafter, an increasing trend was observed through March 2019 followed by a downward trend over the last two sampling events. GRPH: The concentration decreased significantly from its high in April 2017 to 9/2017. A fluctuating trend with some results above and below the CULhas been observed since.

RW-1 – DRPH: A general decreasing trend has occurred from its high in April 2017 with a general flat trend since April 2019 (all below the CUL). GRPH: There's been no detection above the MRL since sampling began.

MW01S – DRPH & GRPH: The concentrations of DRPH & GRPH have fluctuated between non-detect to low concentrations below the CUL since sampling began.

MW03S – Concentrations of DRPH have fluctuated between non-detect to low concentrations below their respective CUL since sampling began

MW-6 - DRPH: The concentrations fluctuated above the CULs since April 2017. GRPH: A decreasing trend with concentrations below the CUL except for April 2017.

MW-8 – DRHP: A decreasing trend from September 2017 through November 2018 with a spike over 2,000 µg/L in March 2019 then down to less than 1,200 µg/L in December 2019. GRPH: trending down to a concentration slightly above the CUL in August and December 2019.

MW-9/MW09R –DRPH: A large spike over1,000,000 µg/L in DRPH concentration was observed in the sample collected in December 2019. GRPH fluctuated in 2018 but has remained relatively stable since, slightly above the CUL. Pumping began in this well in May 2018.

MW-10/MW10R – DRPH: The concentration fluctuated in this well (all above CUL) until pumping began in May 2018. A slightly increasing trend has been observed since pumping began at concentrations above the CUL. GRPH: The concentration has been relatively flat in this well at concentrations above the CUL. Insufficient water was present to sample in December 2019. Pumping to recover groundwater and product began in this well in May 2018.

MW-11 –DRPH: The concentration decreased in this well from September 2017 with a slight increasing trend after August 2018. The trend has been relatively flat since April 2019. GRPH fluctuates within a narrow range of concentrations that exceed the CUL.

MW12 – DRPH: The concentrations have fluctuated between non-detect to low concentrations below the CUL. GRPH: There's been no detection above the MRL since sampling began.

MW13/MW13R – DRPH: A slightly increasing trend in DRPH concentrations was observed in this well through March 2019 and then a decreasing trend afterwards. GRPH: High concentrations have been observed in this well since sampling began with a significant decrease after the remedial excavation.

MW14 – DRPH: Concentrations appear to fluctuate within a narrow range above the CUL. GRPH: Fluctuating high concentrations above the CUL are seen in this well.

MW16 – DRPH: Low concentrations below the CUL fluctuate in this well. GRPH: There has been no detection above the MRL since sampling began.

MW17 –DRPH: An increasing trend above the CUL has occurred since August 2018 with a spike observed in December 2019. GRPH: A decreasing trend has been observed through August 2019 but increased in December 2019. GRPH has always been above the CUL except in August 2019.

MW20 – DRPH and GRPH: The concentrations fluctuate in this well with a similar pattern. The concentration of DRPH is above the CUL in December 2019. The concentration of GRPH remains below the CUL.

MW21 – DRPH and GRPH: The concentrations fluctuate in this well with a similar pattern. The concentration of DRPH is below the CUL. The concentration of GRPH is below the CUL in December 2019.

MW23 – DRPH fluctuates within a narrow range. The concentration is slightly below the CUL in December 2019. GRPH: There's been no detection above the MRL since sampling began.

MW25 – DRPH: Low concentrations below the CUL have been observed with a decrease trend since April 2019. GRPH: There's been no detection above the MRL since sampling began.

MW26 – DRPH: Low concentrations have fluctuated in this well with the concentration below the CUL in December 2019. GRPH: There's been no detection above the MRL since sampling began.

MW27 – DRPH: An increasing trend of low concentrations below the CUL has been observed since November 2018 and then decreasing since August 2019. GRPH: There's been no detection

above the MRL since sampling began.

MW28 – DRPH: An increasing trend in concentrations until March 2018 followed by a decreasing trend. The concentration is above the CUL in December 2019. GRPH: Low concentrations below the CUL have remained relatively flat since November 2018.

MW29 – DRPH: Trend was flat in 2018, increased in March 2019 then spiked in December 2019 to over 100,000 µg/L, above the CUL. GRPH: Low concentrations below the CUL but then spiked to nearly 4,000 µg/L, above the CUL in December 2019.

MW30 – DRPH: The concentrations fluctuated within a narrow range of concentrations. A significant increase was observed in December 2019. GRPH: There's been no detection above the MRL since sampling began.

MW31 – DRPH: The first detection was observed below the CUL in December 2019. GRPH has not been detected above the MRL since sampling began.

MW32 –DRPH: Low concentrations below the CUL have increased since November 2018. GRPH has decreased to concentrations below the MRL since August 2018.

A significant increase in DRPH concentrations was observed in several wells in December 2019 including BH01R, MW09R, MW17, MW30, and MW31. Each of these wells are pumping wells. These increases are likely the result of the sampling methodology used during this sampling event. HydroCon typically turns off the remediation system prior to sampling events so that the water levels equilibrate and static water conditions can be measured and assessed. This procedure was eliminated for this sampling event due to concerns for freezing pipes. The pumps were turned off prior to sample collection in each pumping well and then immediately turned back on. The elevated concentration of contaminants in these wells is the reflection of the influent stream of water entering these wells rather than the static groundwater conditions. It is HydroCon's opinion that this information demonstrates the effectiveness of these pumping wells drawing contaminated water into the remediation system.

5.3 Extent of Groundwater Contamination

The December 2019 groundwater results for GRPH and DRPH are plotted on Figures 5 and 6 and iso-concentration contours were prepared to illustrate the magnitude and extent of each contaminant at the Site. Red colored shading was used to graphically display the plume boundary. Areas of higher concentration are shaded in darker red. The seep area (soil samples SL01 through SL04) are included on the figures since the seep water is in contact with impacted soil and shows the location of this area relative to areas of impacted groundwater.

5.3.1 Diesel Range Petroleum Hydrocarbons

The extent of DRPH contamination in groundwater is illustrated on Figure 5. A plume of DRPH impacted groundwater with DRPH levels greater than the 500 µg/L CUL is present at the site from south of MW13R and extends northeast slightly beyond monitoring well MW24. There are three areas within the plume that have had consistent elevated DRPH concentrations above 1,000 µg/L:

- The area encompassing monitoring wells MW17, MW09R, BH-2, MW19, MW30, MW29, and

BH01R. The concentration of DRPH ranges from 2,230 to 1,120,000 µg/L. Each of these wells except BH-2 and MW19 is currently being used to extract product and groundwater from the Site.

- The area of monitoring wells MW-8 and MW-11. The concentration of DRPH ranges from 1,060 to 1,110 µg/L. This area is located within the 2017 remedial excavation area where sump #5 was located. Sump #5 had one of the highest amounts of recovered product at the Site.
- The area near well MW10R. Even though this well was not sampled due to insufficient water it has historically contained elevated DRPH concentrations. Monitoring well MW24 has DRPH levels above the CUL. Wells MW10R and MW24 are being used to extract product and groundwater from the Site.

Areas with DRPH concentrations less than 500 µg/L (Method A cleanup level) include the northern-most monitoring well monitored at the site (MW21), the area of the Property south of Tank Farm A, much of the eastern part of the Property and adjacent Worthen Street, the northwest portion of Chehalis Street, and the line of wells east of Worthen Street including and between MW25 and RW-1. This latter area is near the observed seep areas and reinforces the role of preferential pathways in the distribution of subsurface contaminants.

5.3.2 Gasoline Range Petroleum Hydrocarbons

The extent of GRPH contamination in groundwater is illustrated on Figure 6. A plume of GRPH impacted groundwater is present from the Coleman Oil facility south of MW13R and extends northwest towards monitoring well MW10R. There are five localized areas within the plume that have elevated GRPH concentrations above the MTCA Method A CUL of 800 µg/L:

- The area near monitoring well MW14. An elevated concentration of GRPH (3,450 µg/L) is present in MW14 which is located immediately downgradient of the footprint of former Tank Farm B and former Control Valve Building. A significant reduction in GRPH concentration in this area of the site is attributed to the remedial excavation that occurred in June 2019.
- The area near monitoring wells MW-11 and MW-8 have GRPH ranging from 891 to 1,020 µg/L. This area is located within the 2017 remedial excavation area where sump #5 was located. Sump #5 had one of the highest amounts of recovered product at the Site.
- The area near monitoring wells MW17 and MW09R have GRPH concentrations ranging from 1,420 to 1,470 µg/L. Both wells are currently being used to extract product and contaminated groundwater from the Site.
- The area near BH01R and MW29 have GRPH concentrations ranging from 918 to 3,960 ug/L. Both of these wells are used to extract product and contaminated groundwater from the Site.
- The area near monitoring well MW10R. Even though this well was not sampled due to insufficient water it has historically contained elevated GRPH concentrations. This well is used to extract product and contaminated groundwater from the Site. Well MW21 farther to the north has an elevated GRPH concentration of 453 µg/L that does not exceed the CUL.

6.0 FUTURE MONITORING SCHEDULE

6.1 Daily Columbia River Level and Water Level Measurements

Environmental Engineering & Consulting, Inc. (EEC) manages the containment booms on the Columbia River and recovery of groundwater and product from the current nine recovery wells at the Site, treatment of the recovered groundwater and discharge of the treated water to the City of Wenatchee sewer. EEC's daily tasks includes monitoring the water level at a surveyed reference location along the Columbia River and water and product levels in the nine recovery wells at the Site (MW09R, MW10R, BH01R, MW17, MW24, MW28, MW29, MW30, and MW32) using a clean electronic oil/water interface probe.

These measurements are recorded in spreadsheet files and are provided to Ecology, Coleman Oil, and HydroCon monthly. HydroCon will include these measurements in the Annual Operations and Maintenance (O&M) Monitoring Reports.

6.2 Weekly to Monthly Water Level and Product Thickness Measurements

EEC assists HydroCon with the collection of depth to water and product level measurements of all the Site wells on a weekly to monthly basis following the same protocol as the daily water and product level measurement task. EEC utilizes a Well Product Monitoring & Recovery spreadsheet to record these data (Appendix D). This form is provided to HydroCon so that the data can be entered into spreadsheets (i.e., Table 2). This information also is used to assess seasonal groundwater flow direction patterns and if there is correlation between groundwater levels in the aquifer and the Columbia River stage.

6.3 Planned Modification to the Remediation System

HydroCon, EEC, and a Coleman Oil representative (Mr. Jim Cach) met with Ecology in November 2019 to discuss the results of the Draft Focused Feasibility Study[4]. One of the results of the meeting was consideration and implementation of an oxygen enrichment system to increase the dissolved oxygen content in the subsurface to stimulate biologic degradation of petroleum contaminants. The system is under design and will include recirculating the recovered and treated groundwater at the site (eliminating further discharges to the City of Wenatchee's sanitary sewer system) and dosing the treated groundwater with hydrogen peroxide to increase its dissolved oxygen content. The enriched water will be applied to the uplands area at selected locations including sumps and subsurface slotted piping installed during the 2017 and 2019 remedial excavations. Further information will be provided to Ecology once the engineering design is complete.

6.4 Future Groundwater Sampling

The next groundwater monitoring event is tentatively planned for March 2020. A list of wells that will be sampled and associated laboratory analysis is provided on Table 8.

As discussed above, Ecology agreed with HydroCon that collection of groundwater samples from

[4] HydroCon, *DRAFT Focused Feasibility Study*, October 28, 2019

monitoring wells MW-1 through MW-5, MW-7, and MW22 was not necessary during the December 2019 sampling event. These wells will not be included in future groundwater monitoring events unless requested by Ecology.

7.0 QUALIFICATIONS

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

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

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

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

8.0 REFERENCES

Farallon, 2017. *Supplemental Data Summary Report*. Prepared for Coleman Oil Company. October 18.

HydroCon, LLC. 2018a. *Supplemental Remedial Investigation Work Plan. Coleman Oil R99 Renewable Diesel Spill, Wenatchee, Washington*. Prepared for Coleman Oil Company, LLC. March 15.

———. 2018b. *Supplemental Remedial Investigation Report. Coleman Oil R99 Renewable Diesel Spill, Wenatchee, Washington*. Prepared for Coleman Oil Company, LLC.

———. 2018c. *Aquifer Testing at Coleman Oil Facility, Wenatchee, Washington*, March 16.

———. 2018d. *Quarterly Groundwater Monitoring Report – August 2018, November 12*.

———. 2019a. *Quarterly Groundwater Monitoring Report – November 2018, January 8*.

———. 2019b. *Additional Interim Actions Addendum #2 Report* – January 10.

———. 2019c. *SRI Addendum – Uplands Soil Characterization Report* – March 6.

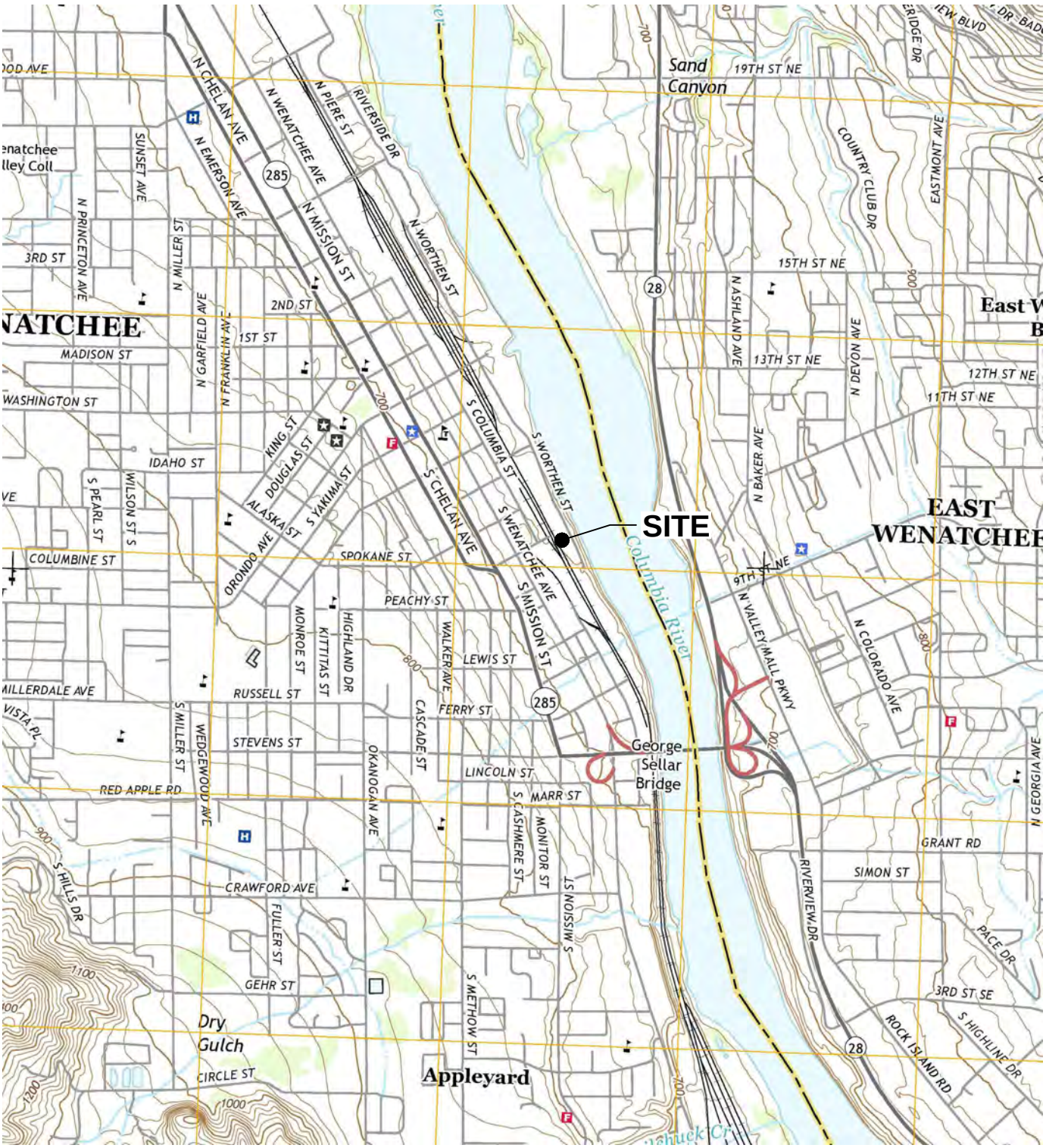
———. 2019d. *SRI Addendum – Sediment Characterization Report* – May 22.

———. 2019e. *Quarterly Groundwater Monitoring Report – March 2019, May 28*.

———. 2019f. *Additional Interim Actions Addendum #3 – Remedial Excavation Report* – July 25.

———. 2019g. *Quarterly Groundwater Monitoring Report – August 2019, October 21*.

FIGURES



NOTE(S):

USGS, WENATCHEE QUADRANGLE
WASHINGTON
7.5 MINUTE SERIES (TOPOGRAPHIC)

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1" = 2000'

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HydroCon
510 Allen St. Suite B Kelso, Wa 98626, Ph(360)-703-6086

DATE: 10-18-18
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 1
SITE LOCATION MAP

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

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LEGEND

- Road
- Railroad
- Former Dry Well
- MW-1 — Monitoring Well (FARALLON)
- MW12 — Monitoring Well (HydroCon)
- BH-1 — Monitoring Well (EPI, 2017)
- RW-1 — Recovery Well (FARALLON)
- FB-3 — Boring Locations
- SUMP#6 — Sump
- Containment Booms
- TP01 — Test Pit Locations
- Sediment Sample Locations
- Attempted Sediment Sample Location

MW22
MW21
MW24
MW10R
MW25
MW26
BH-3
MW27
RW-1
FB-9
MW20
MW28
BH01R
MW29
MW19
MW30
BH-2
SL05
FB-8
MW31
MW09R
FB-7
FB-3
MW17
MW32
MW16
CHEHALIS ST.
MW18
MW-8
2017 Remdial Excavation
SUMP#5
HC02
FB-11
FB-4
MW-11
SUMP#6
FB-10
FB-5
Former Storage Building
SUMP#3
East-West Trench
North-South Trench
MW15
Former Main Office and Warehouse Building
HC12
MW14
SUMP#2
MW-6
MW-7
MW23
Former Truck Loading Rack
East-West Trench 2
HC01
FB-6
MW-5
TP08
MW-4
West Trench
SUMP#1
HC10
TP07
HC08
SUMP#4
HC11
MW-2 /FB-2
Former Underground Product Lines
Former Tank Farm B Fuel and Oil ASTs
HC09
2018 Drum Spill Excavation
2019 Remedial Excavation
HC07
MW13R
HC06
UST Access
TP03
TP02
TP06
Former Pipe Load/Unload
TP05
2013 Remedial Excavation
TP01
HC05
TP04
HC04
MW01S
Former Control Valve Building
HC03
MW-1/FB-1
Former Above Ground Pumps
MW03S
Tank Farm A Fuel ASTs
MW-3
Cardlock Dispenser Island
Former Dispenser Island
MW12
Truck Parking
Upriver Primary Containment Boom
Downriver Primary Containment Boom
River Level Gage
SL01
SL02
SL03
SL04
SS01
SS02
SS03
SS04
SS05
SS06
SS07
SS08
COLUMBIA RIVER
River Bank
S WORTHEN ST.

FIGURE 2
SITE FEATURES

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

DATE: 1-10-20
DWN: JJT
CHK: CH
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 2017-074

HydroCon
510 Allen St. Suite B Kelso, Wa 98626, Ph(360)-703-6086

SCALE IN FEET
1" = 50'
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N W E S

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MW22
617.36

620

MW21
622.09

Upriver Primary
Containment Boom

MW24
616.48

MW10R
616.58

620

MW25
620.07

625

SL04

MW26
620.49

SL03

SL02

BH-3
624.45

MW27
621.94

SL01

RW-1
623.00

MW20
624.87

MW28
622.31

BH01R
616.70

Downriver Primary
Containment Boom

630

MW29
617.35

620

MW19
623.22

MW30
617.64

BH-2
625.17

MW31
617.89

620

635

MW09R
625.35

640

627.55
MW32

MW17
627.21

CHEHALIS ST.

647.01
MW16

MW18
DRY

MW-8
639.65

2017 Remedial Excavation

SUMP#5

SUMP#6

645

MW-11
643.71

Former
Storage
Building

SUMP#3

East-West
Trench

North-South
Trench

MW15
620.05

Former Main Office
and Warehouse
Building

MW14
648.57

SUMP#2

MW-6
646.62

MW-7
645.57

MW23
645.25

Former Truck
Loading Rack

East-West
Trench 2

MW-5
617.45

TP08

West
Trench

SUMP#1

TP07

MW-4
641.68

SUMP#4

MW-2
645.80

Former Underground Product Lines

Former Tank Farm B
Fuel and Oil ASTs

2018 Drum Spill Excavation

2019 Remedial Excavation

MW13R
648.65

UST Access

Former Pipe Load/Unload

2013 Remedial Excavation

645.57
MW01S

Former Control Valve Building

MW-1
646.17

Former Above Ground Pumps

650.20
MW03S

Tank Farm A Fuel ASTs

MW-3
650.31

650

650.27
MW12

Cardlock
Dispenser
Island

Former
Dispenser
Island

Truck
Parking

COLUMBIA RIVER

River Bank

S WORTHEN ST.

LEGEND

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

FIGURE 3
GROUNDWATER ELEVATION CONTOURS
FOR (DECEMBER 19, 2019)
COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

DATE: 1-31-20
DWN: JJT
CHK: CH
APPROVED: CH
PRJ. MGR: CH
PROJECT NO:
2017-074

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SCALE IN FEET
1" = 50'

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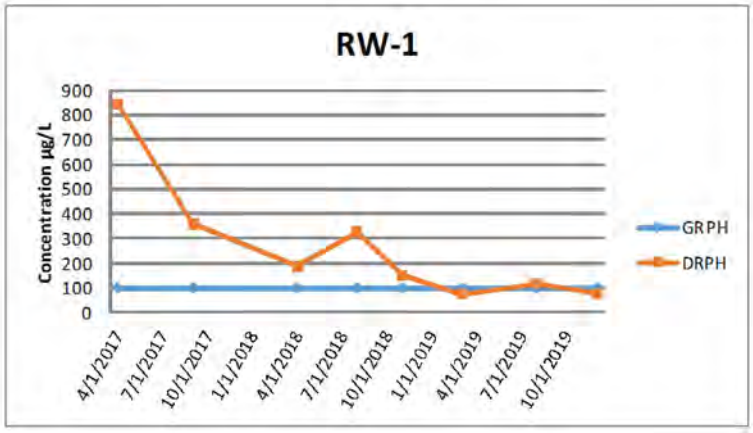

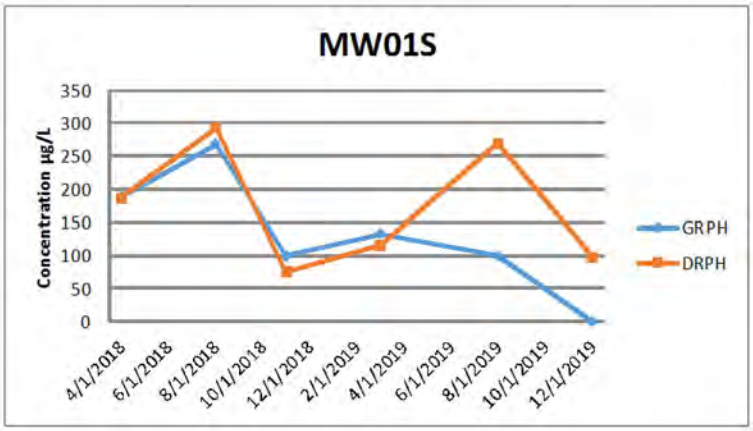

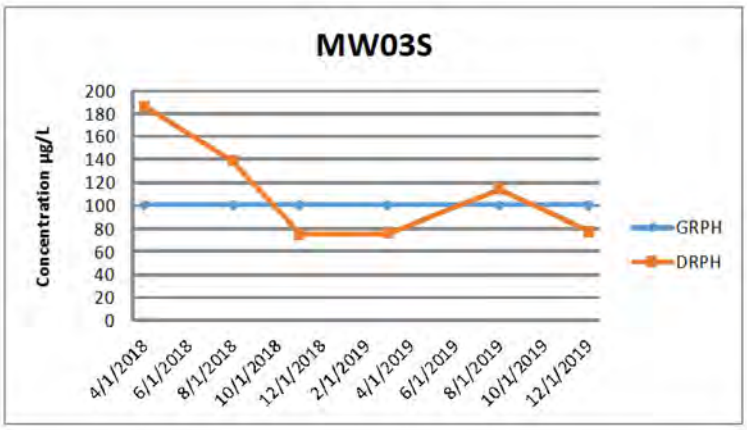

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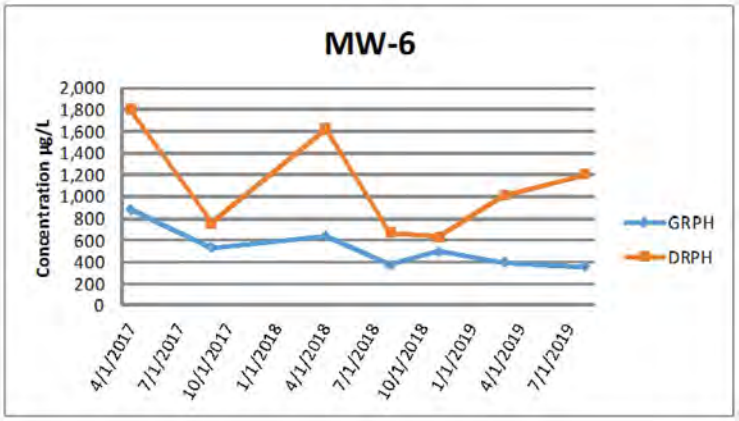
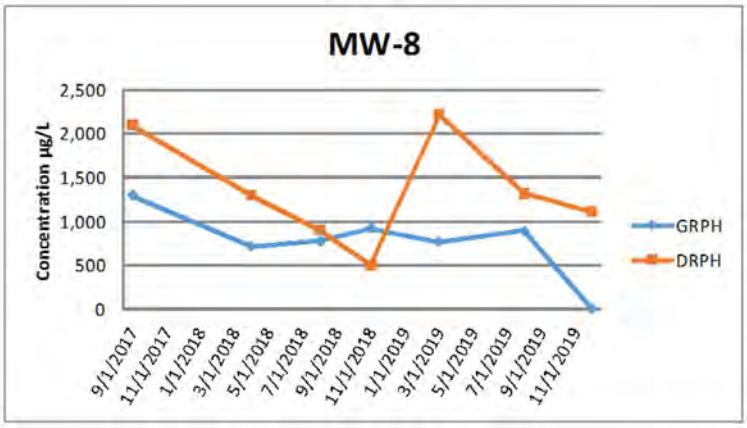
HydroCon

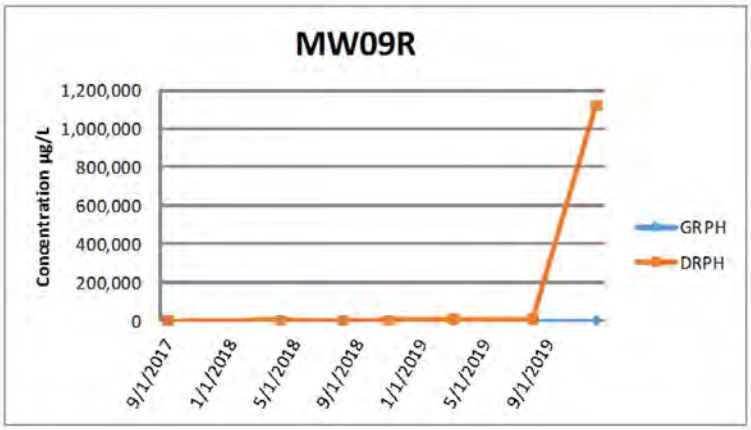
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4A
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







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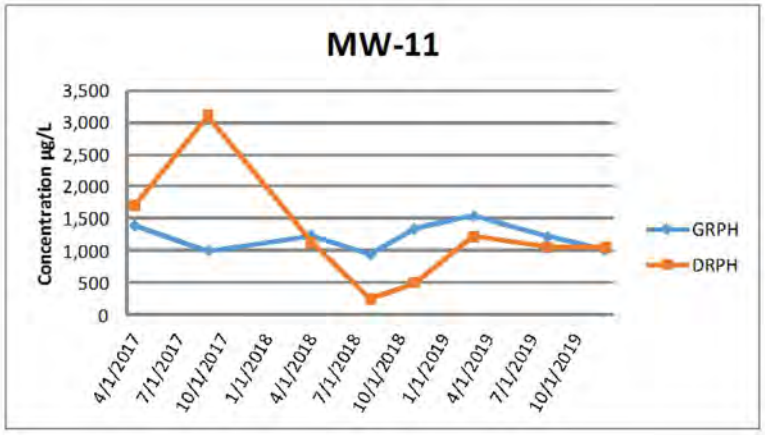
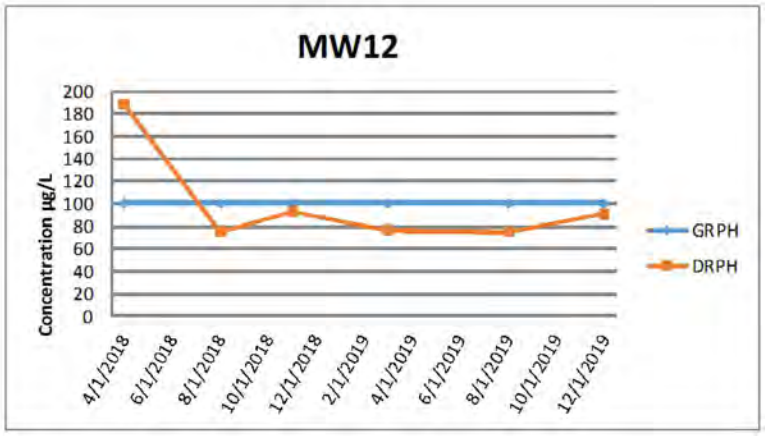
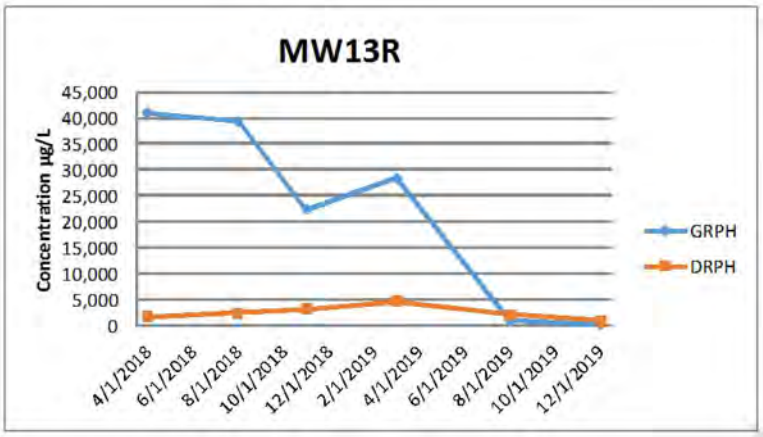
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4B
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







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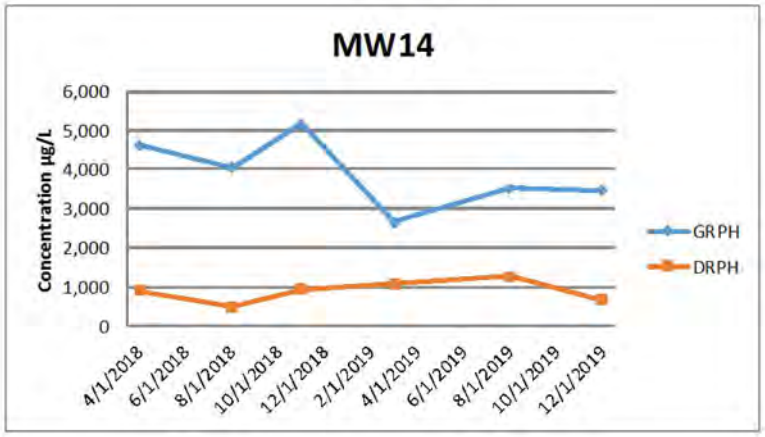
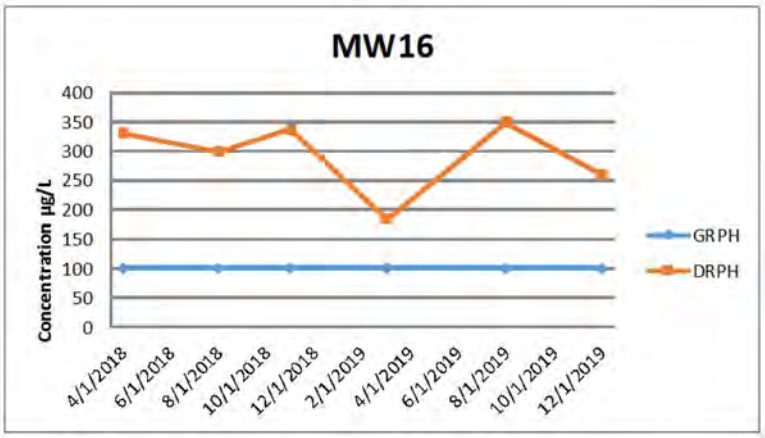
HydroCon

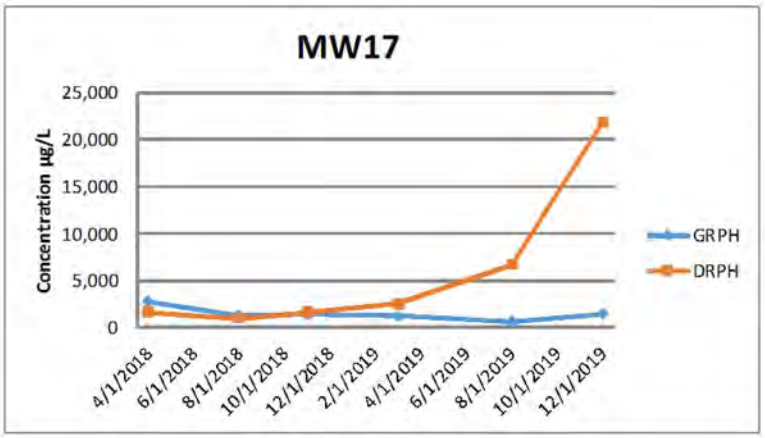
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4C
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







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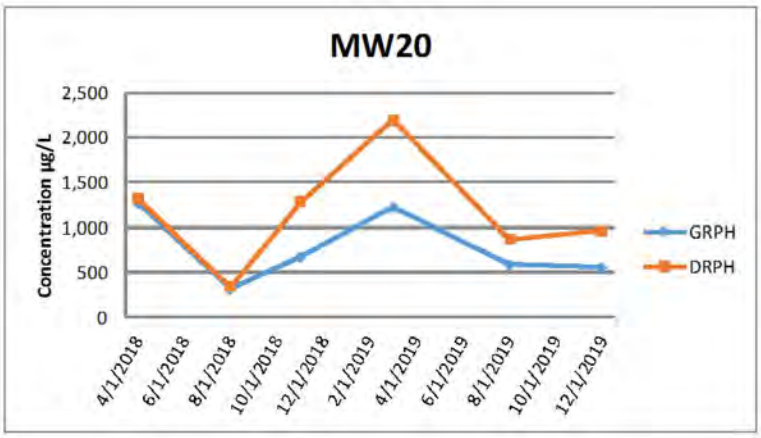
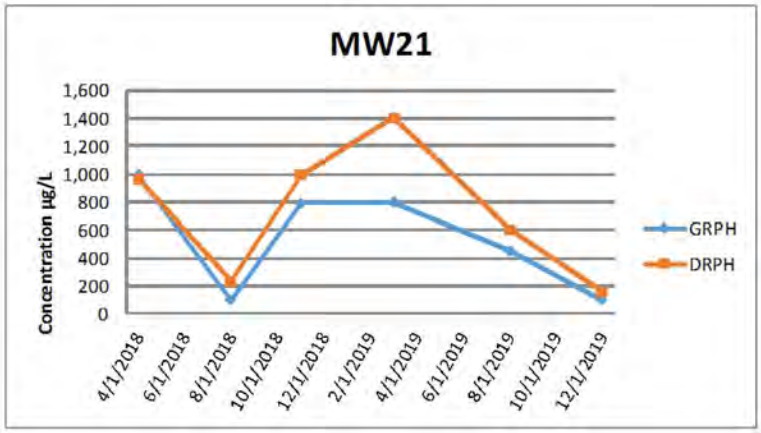
HydroCon

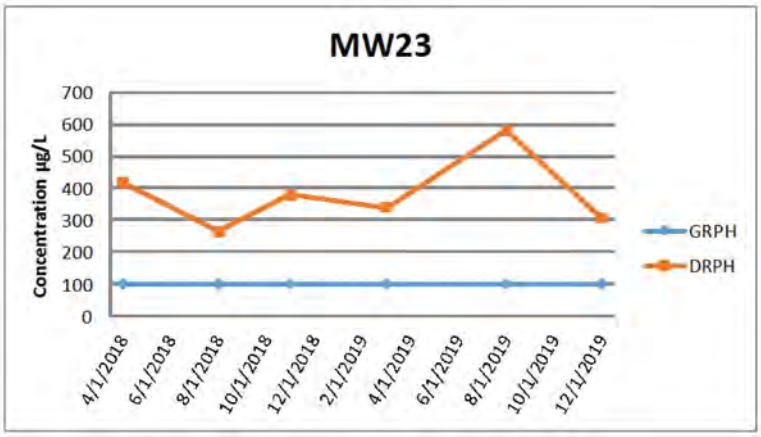
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4D
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







N
W E
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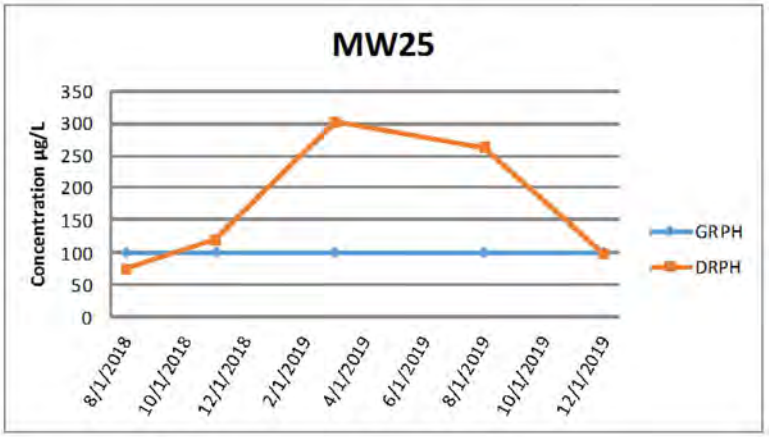
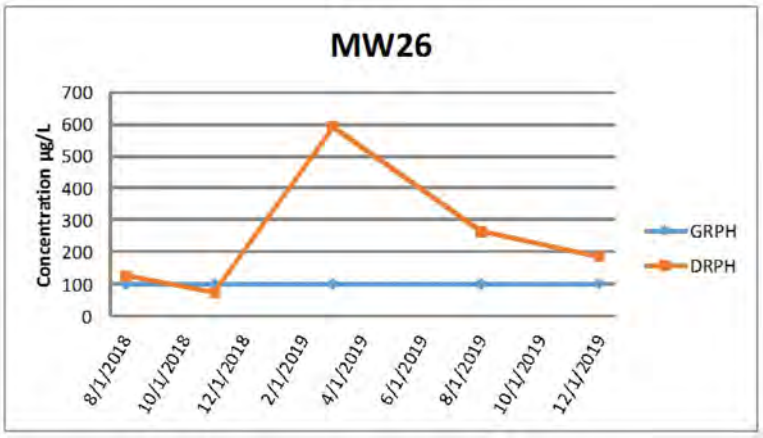
HydroCon

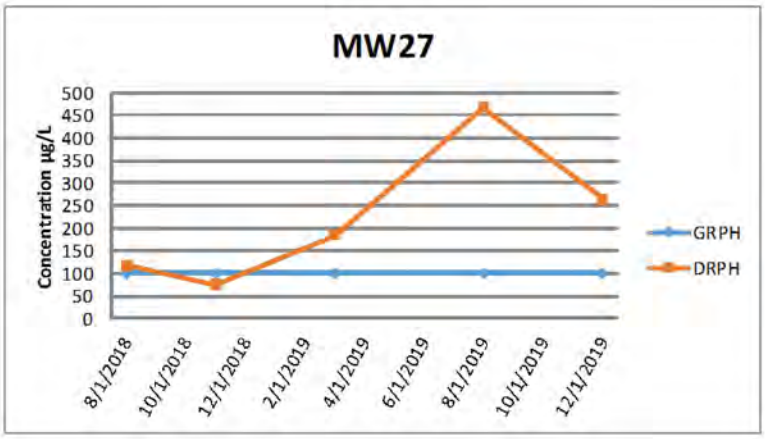
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4E
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







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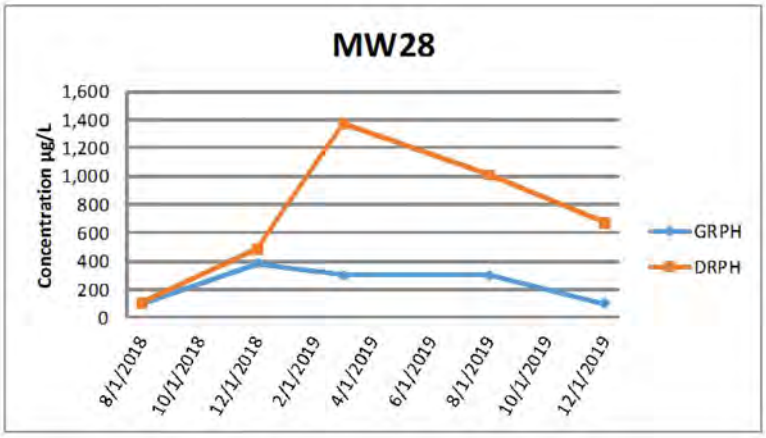
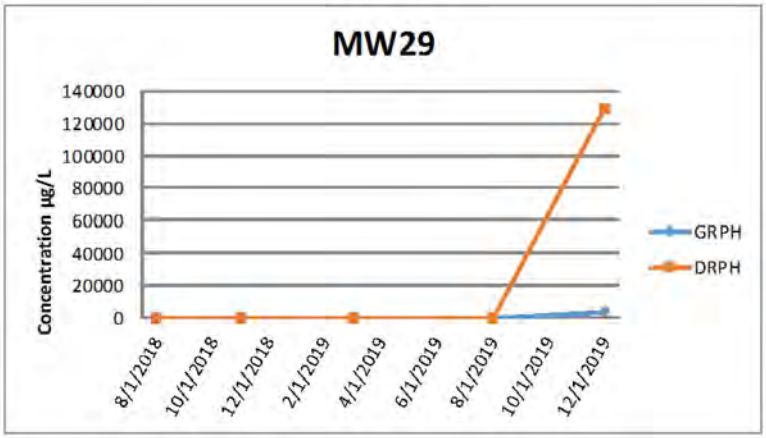
HydroCon

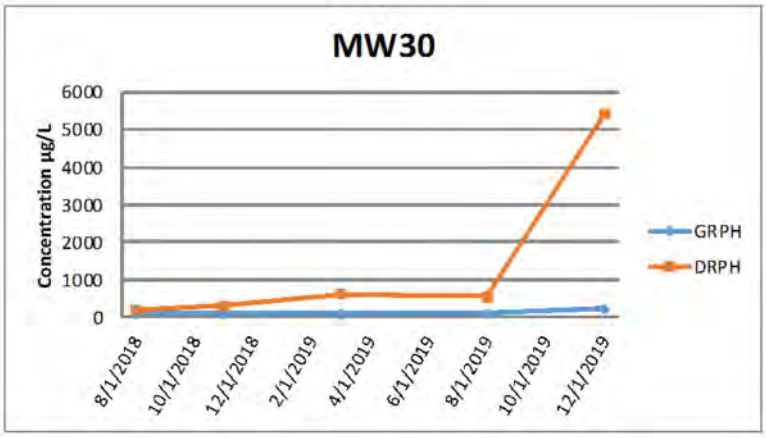
DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4F
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.







N
W E
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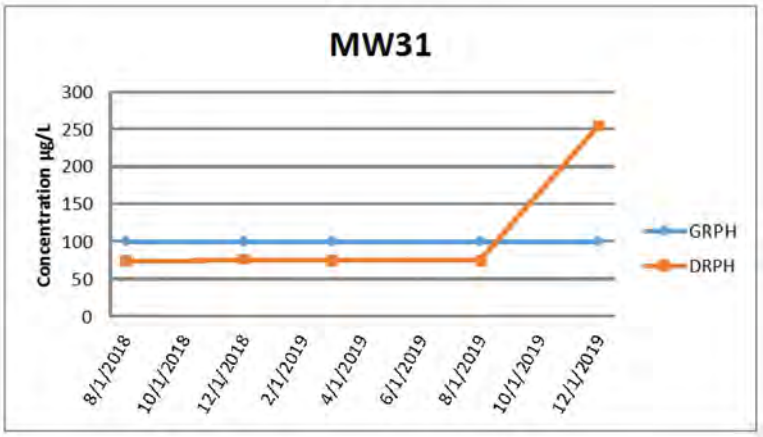
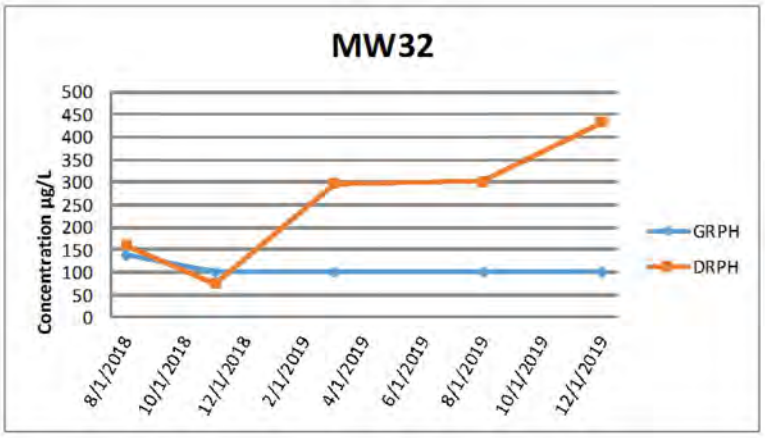
HydroCon

DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4G
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.





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N
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HydroCon

DATE: 1-8-20
DWN: JJT
CHK: RH
APPROVED: RH
PRJ. MGR: CH
PROJECT NO: 2017-074

FIGURE 4H
TREND PLOTS

COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

MW22
MW21
160
MW24
560
MW10R
MW25
98.1
MW26
187
BH-3
488
MW27
264
RW-1
78.7
FB-9
MW20
967
MW28
671
BH01R
42,800
MW29
129,000
MW19
4,300
MW30
5,410
SL05
BH-2
2,230
FB-8
MW31
255
MW09R
1,120,000
FB-7
FB-3
MW17
21,800
433
MW32
259
MW16
MW18
MW-8
1,110
2017 Remdial Excavation
SUMP#5
HC02
FB-11
FB-4
MW-11
1,060
FB-1b
FB-5
SUMP#6
SUMP#3
SUMP#2
SUMP#1
SUMP#4
HC12
MW14
671
MW-6
742
HC01
HC10
HC11
TP08
TP07
MW-7
MW23
305
MW-4
FB-6
MW-5
MW-2
MW13R
979
MW03S
77.7
MW-3
MW01S
97.2
MW-1/FB-1
MW15
91.0
MW12
Upriver Primary
Containment Boom
Downriver Primary
Containment Boom
COLUMBIA RIVER
River Bank
S WORTHEN ST.
CHEHALIS ST
East-West
Trench
North-South
Trench
East-West
Trench 2
West
Trench
Former Main Office
and Warehouse
Building
Former
Storage
Building
Former Truck
Loading Rack
Former Underground Product Lines
2018 Drum Spill Excavation
UST Access
2013 Remedial Excavation
Former Tank Farm B
Fuel and Oil ASTs
2019 Remedial Excavation
Former Pipe Load/Unload
Former Control Valve Building
Former Above Ground Pumps
Tank Farm A Fuel ASTs
Former
Dispenser
Island
Cardlock
Dispenser
Island
Truck
Parking
?

LEGEND

- Road
- Railroad
- MW-1 — Monitoring Well (FARALLON)
- MW12 — Monitoring Well (HydroCon)
- BH-1 — Monitoring Well (EPI, 2017)
- RW-1 — Recovery Well (FARALLON)
- MW-4 — Decommissioned Wells
- SL04 — Shoreline Sample Locations
- Containment Booms
- 7,040 — DRPH Concentration ug/L
- >2,000 ug/L
- 1,000-2,000 ug/L
- 500-1,000 ug/L
- Area of seeps in contact with impacted soil
- MTCA Method A Cleanup Level for DRPH = 500 ug/L

FIGURE 5
DRPH IN GROUNDWATER
FOR (DECEMBER 2019)
COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

DATE: 2-7-20
DWN: JJT
CHK: CH
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 2017-074

HydroCon
510 Allen St. Suite B Kelso, Wa 98626, Ph(360)-703-6086

SCALE IN FEET
1" = 50'
0 50 100

N W E S

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MW22
MW21 <100
Upriver Primary Containment Boom
MW24 <100
?
MW10R
MW25 <100
SL04
MW26 <100
SL03
SL02
BH-3 126
MW27 <100
SL01
RW-1 <100
FB-9
MW20 553
MW28 <100
?
BH01R 918
Downriver Primary Containment Boom
MW29 3,960
MW19 <100
MW30 238
SL05
BH-2 202
FB-8
MW31 <100
COLUMBIA RIVER
?
MW09R 1,420
FB-7
FB-3
MW17 1,470
<100 MW32
CHEHALIS ST
MW18
<100 MW16
MW-8 891
2017 Remdial Excavation
SUMP#5
HC02
FB-11
FB-4
Former Storage Building
FB-5
SUMP#6
MW-11 1,020
FB-10
SUMP#3
East-West Trench
North-South Trench
MW15
Former Main Office and Warehouse Building
HC12
MW14 3,450
SUMP#2
MW-6 221
MW-7
MW23 <100
Former Truck Loading Rack
East-West Trench 2
HC01
FB-6
MW-5
TP08
MW-4
West Trench
SUMP#1
HC10
TP07
SUMP#4
HC11
MW-2
Former Underground Product Lines
Former Tank Farm B Fuel and Oil ASTs
2018 Drum Spill Excavation
2019 Remedial Excavation
MW13R 292
UST Access
Former Pipe Load/Unload
2013 Remedial Excavation
<100 MW01S
MW-1/FB-1
Former Control Valve Building
Former Above Ground Pumps
MW03S <100 MW-3
Tank Farm A Fuel ASTs
Former Dispenser Island
Cardlock Dispenser Island
S WORTHEN ST.
River Bank
<100 MW12
Truck Parking

LEGEND

- Road
- Railroad
- MW-1 — Monitoring Well (FARALLON)
- MW12 — Monitoring Well (HydroCon)
- BH-1 — Monitoring Well (EPI, 2017)
- RW-1 — Recovery Well (FARALLON)
- MW-4 — Decommissioned Wells
- SL04 — Shoreline Sample Locations
- Containment Booms
- 2,180 — GRPH Concentration
- 1,500-5,000 ug/L
- 800-1,500 ug/L
- 101-799 ug/L
- Area of seeps in contact with impacted soil
- MTCA Method A Cleanup Level for GRPH = 800 ug/L

FIGURE 6
GRPH IN GROUNDWATER
FOR (DECEMBER 2019)
COLEMAN OIL COMPANY
3 CHEHALIS ST.
WENATCHEE, WA.

DATE: 2-7-20
DWN: JJT
CHK: CH
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 2017-074

HydroCon
510 Allen St. Suite B Kelso, Wa 98626, Ph(360)-703-6086

SCALE IN FEET
1" = 50'
0 50 100

N W E S

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TABLES

Table 1
Well Construction Details
Coleman Oil
Wenatchee, Washington

Well ID	Date Installed	Installed By	Drilling Method	Total Boring Depth (feet bgs)	Total Well Depth (feet bgs)	Well Diameter (inch)	Well Construction Material	Screen Slot Size (inch)	Length of Screen (feet)	Length of Bottom Cap (feet)	Screened Interval (feet bgs)	Well Casing Elevation (feet[1])
MW-1	7/7/2010	Farallon	Air Rotary	35.50	35.00	2	PVC	0.01	15	-	20-35	658.01
MW01S	3/4/2018	HydroCon	Sonic	20.00	19.99	4	PVC	0.01	15	0.23	5.37 - 20.37	657.54
MW-2	7/8/2010	Farallon	Air Rotary	40.00	40.00	2	PVC	0.01	15	-	25-40	657.76
MW-3	9/7/2010	Farallon	Air Rotary	35.30	35.00	2	PVC	0.01	10	-	25-35	658.26
MW03S	4/3/2018	HydroCon	Sonic	20.00	19.30	4	PVC	0.01	15	0.23	4.43 - 19.43	658.17
MW-4	9/8/2010	Farallon	Air Rotary	40.10	37.00	2	PVC	0.01	10	-	27-37	657.48
MW-5	9/9/2010	Farallon	Air Rotary	45.40	45.00	2	PVC	0.01	15	-	30-45	656.00
MW-6	4/12/2017	Farallon	Air Rotary	18.40	18.00	4	PVC	0.02	10	-	8-18	657.70
MW-7	4/11/2017	Farallon	Air Rotary	20.10	20.00	4	PVC	0.02	10	-	10-20	657.52
MW-8	4/11/2017	Farallon	Air Rotary	25.20	25.00	4	PVC	0.02	10	-	15-25	656.20
MW-9	4/12/2017	Farallon	Air Rotary	24.50	24.00	4	PVC	0.02	10	-	14-24	655.29
MW09R	8/15/2018	HydroCon	Sonic	35.00	32.60	4	PVC	0.01	25	0.45	8.59-33.59	653.55
MW-10	4/14/2017	Farallon	Air Rotary	30.20	30.00	2	PVC	0.02	16	-	14-30	645.80
MW10R	8/16/2018	HydroCon	Sonic	35.00	33.59	4	PVC	0.01	20	0.45	14.64-34.64	644.30
MW-11	4/14/2017	Farallon	Air Rotary	22.30	22.00	4	PVC	0.02	10	-	12-22	658.00
MW12	4/2/2018	HydroCon	Sonic	20.00	19.52	4	PVC	0.01	15	0.23	4.63 - 19.63	658.27
MW13R	7/2/2019	HydroCon	Sonic	19.00	18.46	4	PVC	0.01	14	0.23	4.23 - 18.23	656.67
MW14	3/30/2018	HydroCon	Sonic	35.00	20.02	4	PVC	0.01	15	0.23	5.23 - 20.23	657.15
MW15	4/12/2018	HydroCon	Sonic	35.10	35.10	4	PVC	0.01	25	0.23	10.33 - 35.33	654.99
MW16	4/5/2018	HydroCon	Sonic	30.00	29.15	4	PVC	0.01	20	0.23	9.28 - 29.28	656.93
MW17	4/4/2018	HydroCon	Sonic	35.00	29.41	4	PVC	0.01	20	0.23	9.52 - 29.52	655.55
MW18	4/11/2018	HydroCon	Sonic	35.00	34.65	4	PVC	0.01	20	0.23	15.86 - 35.86	654.51
MW19	4/5/2018	HydroCon	Sonic	35.00	31.48	4	PVC	0.01	20	0.23	11.66 - 31.66	653.31
MW20	4/10/2018	HydroCon	Sonic	30.00	29.50	4	PVC	0.01	20	0.23	9.79 - 29.79	650.85
MW21	4/9/2018	HydroCon	Sonic	35.00	32.10	4	PVC	0.01	20	0.23	12.30 - 32.30	643.88
MW22	4/13/2018	HydroCon	Sonic	40.00	39.10	4	PVC	0.01	25	0.23	9.19 - 34.19	641.85
MW23	3/29/2018	HydroCon	Sonic	25.00	22.04	4	PVC	0.01	15	0.23	7.13 - 22.13	656.91
MW24	8/6/2018	HydroCon	Sonic	35.00	34.25	4	PVC	0.01	20	0.45	14.17-34.17	644.38
MW25	8/7/2018	HydroCon	Sonic	35.00	32.96	4	PVC	0.01	20	0.45	12.81-32.81	645.57
MW26	8/8/2018	HydroCon	Sonic	35.00	32.52	4	PVC	0.01	20	0.45	13.54-33.54	646.65
MW27	8/9/2018	HydroCon	Sonic	40.00	38.74	4	PVC	0.01	25	0.45	13.56-38.56	649.00
MW28	8/10/2018	HydroCon	Sonic	40.00	38.74	4	PVC	0.01	25	0.45	13.62-38.62	650.64
MW29	8/13/2018	HydroCon	Sonic	40.00	39.11	4	PVC	0.01	25	0.45	14.05-39.05	652.34
MW30	8/14/2018	HydroCon	Sonic	40.00	39.79	4	PVC	0.01	25	0.45	14.67-39.67	652.83
MW31	8/15/2018	HydroCon	Sonic	40.00	39.28	4	PVC	0.01	25	0.45	14.11-39.11	653.97
MW32	8/17/2018	HydroCon	Sonic	35.00	34.02	4	PVC	0.01	25	0.45	8.95-33.95	655.83
BH01R	3/25/2017	HydroCon	Sonic	40.00	39.97	4	PVC	0.01	25	0.45	14.52-39.52	651.03
BH-2	3/25/2017	EPI	Air Rotary	35.00	35.00	2	PVC	0.01	15	-	20-35	653.77
BH-3	3/26/2017	EPI	Air Rotary	30.00	30.00	2	PVC	0.01	15	-	15-30	648.76
RW-1	4/10/2017	Farallon	Air Rotary	30.00	30.00	3	PVC	0.02	15	-	15-30	650.42

NOTES:

feet[1] = Elevation is relative to NGVD88

bgs = below ground surface

PVC = polyvinyl chloride

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-1	4/17/2017	20-35	658.01	9.47	- - -	- - -	648.54
	4/20/2017			9.63	- - -	- - -	648.38
	4/27/2017			10.14	- - -	- - -	647.87
	5/1/2017			10.31	- - -	- - -	647.70
	6/8/2017			11.20	- - -	- - -	646.81
	7/3/2017			NM	- - -	- - -	- - -
	9/28/2017			12.36	- - -	- - -	645.65
	8/27/2018			12.17	- - -	- - -	645.84
	8/31/2018			12.20	- - -	- - -	645.81
	11/26/2018			11.36	- - -	- - -	646.65
	11/30/2018			11.38	- - -	- - -	646.63
	3/29/2019			9.68	- - -	- - -	648.33
	8/29/2019			11.69	- - -	- - -	646.32
	12/19/2019			11.84	- - -	- - -	646.17
MW01S	4/25/2018	5.37 - 20.37	657.54	10.49	- - -	- - -	647.05
	4/27/2018			10.62	- - -	- - -	646.92
	8/27/2018			12.30	- - -	- - -	645.24
	8/31/2018			12.33	- - -	- - -	645.21
	11/26/2018			11.54	- - -	- - -	646.00
	11/30/2018			11.51	- - -	- - -	646.03
	3/29/2019			9.88	- - -	- - -	647.66
	8/29/2019			11.81	- - -	- - -	645.73
	12/19/2019			11.97	- - -	- - -	645.57
MW-2	4/17/2017	25-40	657.76	9.58	- - -	- - -	648.18
	4/20/2017			9.61	- - -	- - -	648.15
	4/27/2017			10.19	- - -	- - -	647.57
	5/1/2017			10.36	- - -	- - -	647.40
	6/8/2017			11.33	- - -	- - -	646.43
	7/3/2017			11.96	- - -	- - -	645.80
	9/28/2017			12.65	- - -	- - -	645.11
	4/25/2018			10.50	- - -	- - -	647.26
	4/27/2018			10.54	- - -	- - -	647.22
	8/27/2018			12.20	- - -	- - -	645.56
	8/31/2018			12.22	- - -	- - -	645.54
	11/26/2018			11.43	- - -	- - -	646.33
	11/30/2018			11.46	- - -	- - -	646.30
	3/29/2019			9.61	- - -	- - -	648.15
	8/29/2019			11.65	- - -	- - -	646.11
	12/19/2019			11.96	- - -	- - -	645.80
MW-3	4/17/2017	25-35	658.26	7.12	- - -	- - -	651.14
	4/20/2017			7.15	- - -	- - -	651.11
	4/27/2017			11.44	- - -	- - -	646.82
	5/1/2017			7.90	- - -	- - -	650.36
	6/8/2017			7.33	- - -	- - -	650.93
	7/3/2017			7.46	- - -	- - -	650.80
	9/28/2017			7.74	- - -	- - -	650.52
	8/27/2018			7.75	- - -	- - -	650.51
	8/31/2018			7.80	- - -	- - -	650.46
	11/26/2018			7.78	- - -	- - -	650.48
	11/30/2018			7.89	- - -	- - -	650.37
	3/29/2019			6.42	- - -	- - -	651.84
	8/29/2019			7.53	- - -	- - -	650.73
	12/19/2019			7.95	- - -	- - -	650.31

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW03S	4/25/2018	4.43 - 19.43	658.17	7.25	- - -	- - -	650.92
	4/27/2018			7.24	- - -	- - -	650.93
	8/27/2018			8.04	- - -	- - -	650.13
	8/31/2018			8.05	- - -	- - -	650.12
	11/26/2018			7.48	- - -	- - -	650.33
	11/30/2018			7.93	- - -	- - -	650.33
	3/29/2019			7.22	- - -	- - -	650.24
	8/29/2019			7.72	- - -	- - -	650.45
	12/19/2019			7.97	- - -	- - -	650.20
MW-4	4/17/2017	27-37	657.48	15.29	- - -	- - -	642.19
	4/20/2017			15.40	- - -	- - -	642.08
	4/27/2017			15.74	- - -	- - -	641.74
	5/1/2017			15.71	- - -	- - -	641.77
	6/8/2017			16.23	- - -	- - -	641.25
	7/3/2017			16.93	- - -	- - -	640.55
	9/28/2017			18.18	- - -	- - -	639.30
	4/25/2018			16.22	- - -	- - -	641.26
	4/27/2018			17.59	- - -	- - -	639.89
	8/27/2018			17.25	- - -	- - -	640.23
	8/31/2018			17.28	- - -	- - -	640.20
	11/26/2018			16.54	- - -	- - -	640.94
	11/30/2018			16.55	- - -	- - -	640.93
	3/29/2019			14.66	- - -	- - -	642.82
	8/29/2019			16.14	- - -	- - -	641.34
	12/19/2019			15.80	- - -	- - -	641.68
MW-5	4/17/2017	30-45	656.00	33.98	- - -	- - -	622.02
	4/20/2017			35.67	- - -	- - -	620.33
	4/27/2017			34.98	- - -	- - -	621.02
	5/1/2017			35.92	- - -	- - -	620.08
	6/8/2017			32.06	- - -	- - -	623.94
	7/3/2017			36.75	- - -	- - -	619.25
	9/28/2017			38.67	- - -	- - -	617.33
	4/25/2018			NM	- - -	- - -	- - -
	4/27/2018			35.58	- - -	- - -	620.42
	8/27/2018			38.21	- - -	- - -	617.79
	8/31/2018			38.30	- - -	- - -	617.70
	11/26/2018			38.34	- - -	- - -	617.66
	11/30/2018			38.44	- - -	- - -	617.56
	3/29/2019			37.58	- - -	- - -	618.42
	8/29/2019			38.00	- - -	- - -	618.00
	12/19/2019			38.55	- - -	- - -	617.45

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-6	4/17/2017	8-18	657.70	9.57	- - -	- - -	648.13
	4/20/2017			9.40	- - -	- - -	648.30
	4/27/2017			9.89	- - -	- - -	647.81
	5/1/2017			9.95	- - -	- - -	647.75
	6/8/2017			10.60	10.55	0.05	647.14
	7/3/2017			11.10	- - -	- - -	646.60
	9/28/2017			11.51	- - -	- - -	646.19
	4/25/2018			10.20	- - -	- - -	647.50
	4/27/2018			10.21	- - -	- - -	647.49
	8/27/2018			11.28	- - -	- - -	646.42
	8/31/2018			11.29	- - -	- - -	646.41
	11/26/2018			10.82	- - -	trace	646.88
	11/30/2018			10.84	- - -	- - -	646.86
	3/29/2019			9.50	- - -	trace	648.20
	8/29/2019			10.89	- - -	- - -	646.81
	12/19/2019			11.08	- - -	- - -	646.62
MW-7	4/17/2017	10-20	657.52	9.64	- - -	- - -	647.88
	4/20/2017			9.71	- - -	- - -	647.81
	4/27/2017			10.26	- - -	- - -	647.26
	5/1/2017			10.35	- - -	- - -	647.17
	6/8/2017			11.44	- - -	- - -	646.08
	7/3/2017			11.91	- - -	- - -	645.61
	9/28/2017			12.46	- - -	- - -	645.06
	4/25/2018			10.61	- - -	- - -	646.91
	4/27/2018			10.63	- - -	- - -	646.89
	8/27/2018			11.96	- - -	- - -	645.56
	8/31/2018			12.18	- - -	- - -	645.34
	11/26/2018			11.50	- - -	- - -	646.02
	11/30/2018			11.53	- - -	- - -	645.99
	3/29/2019			9.72	- - -	- - -	647.80
	8/29/2019			11.67	- - -	- - -	645.85
	12/19/2019			11.95	- - -	- - -	645.57
MW-8	4/13/2017	15-25	656.20	16.71	14.50	2.21	641.21
	4/17/2017			13.47	- - -	- - -	642.73
	4/20/2017			13.96	13.95	0.01	642.25
	4/27/2017			17.25	14.91	2.34	640.78
	5/1/2017			17.47	14.94	2.53	640.70
	6/8/2017			18.02	- - -	- - -	638.18
	7/3/2017			17.97	17.91	0.07	638.28
	9/28/2017			18.10	- - -	- - -	638.10
	4/25/2018			15.14	- - -	- - -	641.06
	4/27/2018			15.12	- - -	- - -	641.08
	8/27/2018			16.71	- - -	- - -	639.49
	8/31/2018			16.77	- - -	- - -	639.43
	11/26/2018			16.04	- - -	- - -	640.16
	11/30/2018			16.07	- - -	- - -	640.13
	3/29/2019			13.37	- - -	- - -	642.83
	8/29/2019			15.96	- - -	- - -	640.24
	12/19/2019			16.55	- - -	- - -	639.65

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-9	4/17/2017	14-24	655.29	13.56	- - -	- - -	641.73
	4/20/2017			14.31	- - -	- - -	640.98
	4/27/2017			17.45	16.75	0.70	638.39
	5/1/2017			18.60	17.33	1.27	637.68
	6/8/2017			22.14	- - -	- - -	633.15
	7/3/2017			22.16	- - -	- - -	633.13
	9/28/2017			22.69	- - -	- - -	632.60
	4/25/2018			17.22	- - -	- - -	638.07
	4/27/2018			17.22	- - -	- - -	638.07
MW09R	8/27/2018	8.59-33.59	653.55	19.90	- - -	- - -	635.39
	8/31/2018			19.91	- - -	- - -	635.38
	11/26/2018			28.28	- - -	- - -	625.27
	11/30/2018			19.94	- - -	- - -	633.61
	3/29/2019			12.82	- - -	- - -	640.73
	8/29/2019			19.81	- - -	- - -	633.74
	12/19/2019			28.20	- - -	- - -	625.35
MW-10	4/17/2017	14-30	645.80	16.72	- - -	- - -	629.08
	4/20/2017			17.31	- - -	- - -	628.49
	4/27/2017			18.11	- - -	- - -	627.69
	5/1/2017			18.99	- - -	- - -	626.81
	6/8/2017			19.88	- - -	- - -	625.92
	7/3/2017			25.06	23.62	1.44	621.86
	9/28/2017			25.70	- - -	- - -	620.10
	4/25/2018			21.18	- - -	- - -	624.62
	4/27/2018			20.96	- - -	- - -	624.84
MW10R	8/27/2018	14.66-34.64	644.30	24.64	- - -	- - -	619.66
	8/31/2018			25.71	- - -	- - -	618.59
	11/26/2018			27.51	- - -	- - -	616.79
	11/30/2018			26.19	25.95	0.24	618.30
	3/29/2019			18.54	- - -	- - -	625.76
	8/29/2019			NM	- - -	- - -	- - -
	12/19/2019			27.72	- - -	- - -	616.58
MW-11	4/17/2017	12-22	658.00	13.45	- - -	- - -	644.55
	4/20/2017			13.45	- - -	- - -	644.55
	4/27/2017			13.76	- - -	- - -	644.24
	5/1/2017			13.77	- - -	- - -	644.23
	6/8/2017			14.32	14.05	0.27	643.89
	7/3/2017			14.30	- - -	- - -	643.70
	9/28/2017			14.65	- - -	- - -	643.35
	4/25/2018			13.82	- - -	- - -	644.18
	4/27/2018			13.82	- - -	- - -	644.18
	8/27/2018			14.20	- - -	- - -	643.80
	8/31/2018			14.21	- - -	- - -	643.79
	11/26/2018			14.11	- - -	- - -	643.89
	11/30/2018			14.11	- - -	- - -	643.89
	3/29/2019			13.41	- - -	- - -	644.59
	8/29/2019			14.09	- - -	- - -	643.91
	12/19/2019			14.29	- - -	- - -	643.71

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW12	4/25/2018	4.63 - 19.63	658.27	7.37	- - -	- - -	650.90
	4/27/2018			7.31	- - -	- - -	650.96
	8/27/2018			8.01	- - -	- - -	650.26
	8/31/2018			8.04	- - -	- - -	650.23
	11/26/2018			7.88	- - -	- - -	650.39
	11/30/2018			7.93	- - -	- - -	650.34
	3/29/2019			7.13	- - -	- - -	651.14
	8/29/2019			7.70	- - -	- - -	650.57
	12/19/2019			8.00	- - -	- - -	650.27
MW13	4/25/2018	4.91 - 19.91	657.04	7.39	- - -	- - -	649.65
	4/27/2018			7.36	- - -	- - -	649.68
	8/27/2018			8.05	- - -	- - -	648.99
	8/31/2018			8.15	- - -	- - -	648.89
	11/26/2018			8.22	- - -	- - -	648.82
	11/30/2018			8.17	- - -	- - -	648.87
	3/29/2019			7.21	- - -	- - -	649.83
	8/29/2019			7.61	- - -	- - -	649.43
MW13R	12/19/2019	4.23 - 18.23	656.67	8.02	- - -	- - -	648.65
MW14	4/25/2018	5.23 - 20.23	657.15	7.81	- - -	- - -	649.34
	4/27/2018			7.75	- - -	- - -	649.40
	8/27/2018			8.35	- - -	- - -	648.80
	8/31/2018			8.40	- - -	- - -	648.75
	11/26/2018			8.45	- - -	- - -	648.70
	11/30/2018			8.51	- - -	- - -	648.64
	3/29/2019			7.70	- - -	- - -	649.45
	8/29/2019			8.03	- - -	- - -	649.12
	12/19/2019			8.58	- - -	- - -	648.57
MW15	4/25/2018	10.33 - 35.33	654.99	NM	- - -	- - -	- - -
	4/27/2018			34.80	- - -	- - -	620.19
	8/27/2018			34.76	- - -	- - -	620.23
	8/31/2018			34.82	- - -	- - -	620.17
	11/26/2018			dry	- - -	- - -	- - -
	11/30/2018			dry	- - -	- - -	- - -
	3/29/2019			dry	- - -	- - -	- - -
	8/29/2019			dry	- - -	- - -	- - -
	12/19/2019			34.94	- - -	- - -	620.05
MW16	4/25/2018	9.28 - 29.28	656.93	9.72	- - -	- - -	647.21
	4/27/2018			9.70	- - -	- - -	647.23
	8/27/2018			10.05	- - -	- - -	646.88
	8/31/2018			10.18	- - -	- - -	646.75
	11/26/2018			10.07	- - -	- - -	646.86
	11/30/2018			9.73	- - -	- - -	647.20
	3/29/2019			9.44	- - -	- - -	647.49
	8/29/2019			9.89	- - -	- - -	647.04
	12/19/2019			9.92	- - -	- - -	647.01

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW17	4/25/2018	9.52 - 29.52	655.55	14.25	- - -	- - -	641.30
	4/27/2018			14.22	- - -	- - -	641.33
	8/27/2018			15.07	- - -	- - -	640.48
	8/31/2018			15.14	- - -	- - -	640.41
	11/26/2018			14.78	- - -	- - -	640.77
	11/30/2018			14.66	- - -	- - -	640.89
	3/29/2019			13.38	- - -	- - -	642.17
	8/29/2019			14.23	- - -	- - -	641.32
	12/19/2019			28.34	- - -	- - -	627.21
MW18	4/25/2018	15.86 - 35.86	654.51	NM	- - -	- - -	- - -
	4/27/2018			34.69	- - -	- - -	619.82
	8/27/2018			dry	- - -	- - -	- - -
	8/31/2018			dry	- - -	- - -	- - -
	11/26/2018			dry	- - -	- - -	- - -
	11/30/2018			dry	- - -	- - -	- - -
	3/29/2019			dry	- - -	- - -	- - -
	8/29/2019			dry	- - -	- - -	- - -
	12/19/2019			dry	- - -	- - -	- - -
MW19	4/25/2018	11.66 - 31.66	653.31	23.05	- - -	- - -	630.26
	4/27/2018			23.15	- - -	- - -	630.16
	8/27/2018			28.63	- - -	- - -	624.68
	8/31/2018			28.83	- - -	- - -	624.48
	11/26/2018			dry	- - -	- - -	- - -
	11/30/2018			27.72	- - -	- - -	625.59
	3/29/2019			21.30	- - -	- - -	632.01
	8/29/2019			30.45	- - -	- - -	622.86
	12/19/2019			30.09	- - -	- - -	623.22
MW20	4/25/2018	9.79 - 29.79	650.85	18.55	- - -	- - -	632.30
	4/27/2018			18.64	- - -	- - -	632.21
	8/27/2018			24.97	- - -	- - -	625.88
	8/31/2018			25.24	- - -	- - -	625.61
	11/26/2018			25.20	- - -	- - -	625.65
	11/30/2019			24.95	- - -	- - -	625.90
	3/29/2019			13.32	- - -	- - -	637.53
	8/29/2019			25.02	- - -	- - -	625.83
	12/19/2019			25.98	- - -	- - -	624.87
MW21	4/25/2018	12.30 - 32.30	643.88	19.40	- - -	- - -	624.48
	4/27/2018			19.31	- - -	- - -	624.57
	8/27/2018			20.88	- - -	- - -	623.00
	8/31/2018			21.36	- - -	- - -	622.52
	11/26/2018			20.42	- - -	- - -	623.46
	11/30/2018			20.71	- - -	- - -	623.17
	3/29/2019			19.67	- - -	- - -	624.21
	8/29/2019			20.59	- - -	- - -	623.29
	12/19/2019			21.79	- - -	- - -	622.09

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW22	4/25/2018	9.19 - 34.19	641.85	21.80	- - -	- - -	620.05
	4/27/2018			21.80	- - -	- - -	620.05
	8/27/2018			23.72	- - -	- - -	618.13
	8/31/2018			24.46	- - -	- - -	617.39
	11/26/2018			23.49	- - -	- - -	618.36
	11/30/2018			24.74	- - -	- - -	617.11
	3/29/2019			24.90	- - -	- - -	616.95
	8/29/2019			NM	- - -	- - -	- - -
	12/19/2019			24.49	- - -	- - -	617.36
MW23	4/25/2018	7.13 - 22.13	656.91	10.28	- - -	- - -	646.63
	4/27/2018			10.30	- - -	- - -	646.61
	8/27/2018			12.16	- - -	- - -	644.75
	8/31/2018			11.99	- - -	- - -	644.92
	11/26/2018			11.27	- - -	- - -	645.64
	11/30/2019			11.30	- - -	- - -	645.61
	3/29/2019			9.36	- - -	- - -	647.55
	8/29/2019			11.42	- - -	- - -	645.49
	12/19/2019			11.66	- - -	- - -	645.25
MW24	8/27/2018	14.17 - 34.17	644.38	26.03	- - -	- - -	618.35
	8/31/2018			26.77	- - -	- - -	617.61
	11/26/2018			27.11	- - -	- - -	617.27
	11/30/2018			27.05	- - -	- - -	617.33
	3/29/2019			24.75	- - -	- - -	619.63
	8/29/2019			26.51	- - -	- - -	617.87
	12/19/2019			27.90	- - -	- - -	616.48
MW25	8/27/2018	12.81 - 32.81	645.57	26.01	- - -	- - -	619.56
	8/31/2018			26.49	- - -	- - -	619.08
	11/26/2018			24.96	- - -	- - -	620.61
	11/30/2018			25.19	- - -	- - -	620.38
	3/29/2019			13.45	- - -	- - -	632.12
	8/29/2019			26.02	- - -	- - -	619.55
	12/19/2019			25.50	- - -	- - -	620.07
MW26	8/27/2018	13.54 - 33.54	646.65	25.23	- - -	- - -	621.42
	8/31/2018			25.76	- - -	- - -	620.89
	11/26/2018			25.45	- - -	- - -	621.20
	11/30/2018			25.83	- - -	- - -	620.82
	3/29/2019			16.35	- - -	- - -	630.30
	8/29/2019			26.33	- - -	- - -	620.32
	12/19/2019			26.16	- - -	- - -	620.49
MW27	8/27/2018	13.56 - 38.56	649.00	24.87	- - -	- - -	624.13
	8/31/2018			25.06	- - -	- - -	623.94
	11/26/2018			24.92	- - -	- - -	624.08
	11/30/2018			23.90	- - -	- - -	625.10
	3/29/2019			20.04	- - -	- - -	628.96
	8/29/2019			23.89	- - -	- - -	625.11
	12/19/2019			27.06	- - -	- - -	621.94

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW28	8/27/2018	13.62 - 38.62	650.64	26.04	- - -	- - -	624.60
	8/31/2018			26.25	- - -	- - -	624.39
	11/26/2018			33.05	- - -	- - -	617.59
	11/30/2018			25.00	- - -	- - -	625.64
	3/29/2019			20.50	- - -	- - -	630.14
	8/29/2019			24.96	- - -	- - -	625.68
	12/19/2019			28.33	- - -	- - -	622.31
MW29	8/27/2018	14.05 - 39.05	652.34	34.43	- - -	- - -	617.91
	8/31/2018			34.84	- - -	- - -	617.50
	11/26/2018			34.92	- - -	- - -	617.42
	11/30/2018			34.25	- - -	- - -	618.09
	3/29/2019			20.80	- - -	- - -	631.54
	8/29/2019			30.67	30.67	<0.01	621.67
	12/19/2019			34.99	- - -	- - -	617.35
MW30	8/27/2018	14.67 - 39.67	652.83	34.73	- - -	- - -	618.10
	8/31/2018			35.01	- - -	- - -	617.82
	11/26/2018			34.91	- - -	- - -	617.92
	11/30/2018			34.84	- - -	- - -	617.99
	3/29/2019			35.28	- - -	- - -	617.55
	8/29/2019			35.05	- - -	- - -	617.78
	12/19/2019			35.19	- - -	- - -	617.64
MW31	8/27/2018	14.11 - 39.11	653.97	34.55	- - -	- - -	619.42
	8/31/2018			35.16	- - -	- - -	618.81
	11/26/2018			35.04	- - -	- - -	618.93
	11/30/2019			34.96	- - -	- - -	619.01
	3/29/2019			32.45	- - -	- - -	621.52
	8/29/2019			34.02	- - -	- - -	619.95
	12/19/2019			36.08	- - -	- - -	617.89
MW32	8/27/2018	8.95 - 33.95	655.83	12.41	- - -	- - -	643.42
	8/31/2018			12.43	- - -	- - -	643.40
	11/26/2018			12.28	- - -	- - -	643.55
	11/30/2019			12.25	- - -	- - -	643.58
	3/29/2019			11.13	- - -	- - -	644.70
	8/29/2019			12.01	- - -	- - -	643.82
	12/19/2019			28.28	- - -	- - -	627.55
BH-1	4/17/2017	20-30	652.17	19.71	- - -	- - -	632.46
	4/20/2017			20.13	- - -	- - -	632.04
	4/27/2017			22.88	- - -	- - -	629.29
	5/1/2017			23.16	- - -	- - -	629.01
	6/8/2017			25.64	- - -	- - -	626.53
	7/3/2017			28.46	27.91	0.55	624.14
	9/28/2017			28.73	- - -	- - -	623.44
	4/25/2018			23.03	- - -	- - -	629.14
	4/27/2018			20.03	- - -	- - -	632.14
	8/27/2018			26.21	- - -	- - -	625.96
	8/31/2018			26.27	- - -	- - -	625.90
	11/26/2018			NM	- - -	- - -	- - -
	11/30/2018			NM	- - -	- - -	- - -
BH01R	3/29/2019	14.52-39.52	651.03	20.30	- - -	- - -	630.73
	8/29/2019			24.64	- - -	- - -	626.39
	12/19/2019			34.33	- - -	- - -	616.70

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

Well Identification	Date	Monitoring Well Screened Interval (feet bgs)	Elevation Top of Casing [1] (feet)	Depth to Water (feet below top of casing)	Depth to NAPL (feet below top of casing)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
BH-2	4/17/2017	20-35	653.77	26.16	- - -	- - -	627.61
	4/20/2017			26.30	- - -	- - -	627.47
	4/27/2017			26.56	26.48	0.08	627.27
	5/1/2017			26.68	26.58	0.10	627.17
	6/8/2017			26.73	- - -	- - -	627.04
	7/3/2017			28.86	- - -	- - -	624.91
	9/28/2017			31.25	- - -	- - -	622.52
	4/25/2018			27.68	- - -	- - -	626.09
	4/28/2017			27.53	- - -	- - -	626.24
	8/27/2018			28.50	- - -	- - -	625.27
	8/31/2018			28.91	- - -	- - -	624.86
	11/26/2018			28.66	- - -	trace	625.11
	11/30/2018			28.63	- - -	trace	625.14
	3/29/2019			27.75	- - -	- - -	626.02
	8/29/2019			28.51	- - -	- - -	625.26
	12/19/2019			28.60	- - -	- - -	625.17
BH-3	4/17/2017	15-30	648.76	17.47	- - -	- - -	631.29
	4/20/2017			17.88	- - -	- - -	630.88
	4/27/2017			18.70	- - -	- - -	630.06
	5/1/2017			19.06	- - -	- - -	629.70
	6/8/2017			21.19	- - -	- - -	627.57
	7/3/2017			21.70	- - -	- - -	627.06
	9/28/2017			23.04	- - -	- - -	625.72
	4/25/2018			20.06	- - -	- - -	628.70
	4/27/2018			22.36	- - -	- - -	626.40
	8/27/2018			22.20	- - -	- - -	626.56
	8/31/2018			23.68	- - -	- - -	625.08
	11/26/2018			24.05	- - -	- - -	624.71
	11/30/2018			25.29	- - -	- - -	623.47
	3/29/2019			18.05	- - -	- - -	630.71
	8/29/2019			25.43	- - -	- - -	623.33
	12/19/2019			24.31	- - -	- - -	624.45
RW-1	4/17/2017	15-30	650.42	16.15	- - -	- - -	634.27
	4/20/2017			16.34	- - -	- - -	634.08
	4/27/2017			17.35	- - -	- - -	633.07
	5/1/2017			18.55	- - -	- - -	631.87
	6/8/2017			22.67	- - -	- - -	627.75
	7/3/2017			24.19	- - -	- - -	626.23
	9/28/2017			26.74	- - -	- - -	623.68
	4/25/2018			21.19	- - -	- - -	629.23
	4/27/2018			21.21	- - -	- - -	629.21
	8/27/2018			25.09	- - -	- - -	625.33
	8/31/2018			25.69	- - -	- - -	624.73
	11/26/2018			28.81	- - -	- - -	621.61
	11/30/2018			25.63	- - -	- - -	624.79
	3/29/2019			21.12	- - -	- - -	629.30
	8/29/2019			26.80	- - -	- - -	623.62
	12/19/2019			27.42	- - -	- - -	623.00

NOTES:

- - - denotes no LNAPL present

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

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

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

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
FB-9	4/7/2017	1,200 F	2,900	1,200	2.4	< 1.0	3.7	1.7	--	--	--	--
FB-10	4/7/2017	2,000 F	57,000	< 4,100 ec	71	13	7.1	64	--	--	--	--
BH-1	4/21/2017	820 F	1,900	970 N1	15	2.8	8.3	18.5	--	--	--	--
	4/26/2018	2,140	1,390	<377	0.671	<1.00	5.55	12.5	--	--	--	--
	8/30/2018	591	243	<148	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	1,420	5,120 F13	<151	<0.200	<1.00	0.608	<1.50	--	--	--	--
BH01R	3/27/2019	1,130	13,600 F-13	<151	4.33	<1.00	1.15	1.78	--	--	--	--
	8/27/2019	518	1,910 F-13	<150	0.240	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	918	42,800 F-13	<3,200 ec	<0.200	<1.00	<0.500	<1.50	--	--	--	--
BH-2	4/10/2017	1,900 F	100,000	10,000	< 4.0	< 4.0	13	39	--	--	--	--
	4/21/2017	1,500 F	2,600	630 N1	4.2	3.3	12	39	--	--	--	--
	4/24/2018	854	9,360	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2018	639	3,300	<148	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	509	7,040	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	354	5,310 F-13, F-15	475 F-03, F-16	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	295	6,150 F-13	<150	<0.200	<1.00	<0.500	<1.50				
	12/17/2019	202	2,230 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
BH-3	4/21/2017	1,800 F	2,400	660	1.8	<1.0	5.4	8.2	--	--	--	--
	9/29/2017	150 O	1,200	550 N1	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/26/2018	172	1,130	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/30/2018	250	276	<148	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	502	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	319	1,850 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	121	816 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	126	488 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
RW-1	4/21/2017	<100	840	540 N1	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/29/2017	<100	360	440	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/26/2018	<100	<189	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/30/2018	<100	327	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	<100	152	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	<74.8 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	<100	116 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	<100	78.7 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-1	3/23/2017	---	520	480	---	---	---	---	--	--	--	--
	4/21/2017	210 F	730	510	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/29/2017	200	410	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	8/28/2018	449	219	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	152	159	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	172	126 F-11,F-20	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW01S	4/24/2018	188	<187	<374	0.42	<1.00	5.8	9.48	--	--	--	--
	8/28/2018	268	294	<151	1.49	<1.00	1.26	<1.50	--	--	--	--
	11/27/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	133	116 F-11, F-20	<151	<0.200	<1.00	4.18	8.97	--	--	--	--
	8/26/2019	<100	269 F-11, F-20	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	97.2 F-11	<154	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-2	3/23/2017	---	<260	<410	---	---	---	---	--	--	--	--
	4/20/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	<187	<374	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW-3	4/20/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/28/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
MW03S	4/25/2018	<100	<187	<374	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00	<0.500 ec	<0.400
	8/29/2018	<100	139	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	<100	<76.2	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	114 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	77.7 F-11	<155	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-4	3/23/2017	---	<260	<410	---	---	---	---	--	--	--	--
	4/20/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/28/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	<187	<374	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-5	3/23/2017	---	<260	<410	---	---	---	---	--	--	--	--
	4/20/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	9/28/2017	<100	<260	<410	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	<189	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-6	4/20/2017	880 F	1,800	480 N1	5.0	<4.0	6.2	37	--	--	--	--
	9/28/2017	530 O	760	430 N1	<1.0	<1.0	<1.0	4.3	--	--	--	--
	4/25/2018	643	1,620	<374	0.56	<1.00	<0.500	2.19	--	--	--	--
	8/29/2018	376	668	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	499	634	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	398	1,010 F-13,F-20	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	356	1,200 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	221	742 F-13	<154	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW-7	4/20/2017	1,100 F	1,300	420 N1	3.2	< 1.0	15	11.4	--	--	--	--
	9/28/2017	<100	520	<470 U1	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	4/25/2018	<100	435	<374	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/29/2018	<100	448	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	<100	283	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-8	9/29/2017	1,300 O	2,100	690 N1	<1.0	<1.0	4.1	27.2	--	--	--	--
	4/26/2018	720	1,300	<374	0.641	<1.00	<0.500	4.67	--	--	--	--
	8/29/2018	774	907	<151	<0.200	<1.00	<0.500	3.42	--	--	--	--
	11/28/2018	921	505	<151	0.214	<1.00	1.06	6.23	--	--	--	--
	3/26/2019	768	2,220 F-13,F-20	<152	22.2	<1.00	<0.500	2.70	--	--	--	--
	8/26/2019	899	1,320 F-13,F-20	<151	0.853	<1.00	0.504	2.17	--	--	--	--
	12/18/2019	891	1,110 F-13	<155	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW-9	9/29/2017	500 O	1,200	670 N1	<1.0	<1.0	<1.0	1.5	--	--	--	--
	4/26/2018	2,810	2,620	<374	2.73	<1.00	9.95	20.4	--	--	--	--
MW-9R	8/29/2018	234	654	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	1,300	1,850	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	1,000	5,690 F-13,F-20	<151	5.64	<1.00	0.545	<1.50	--	--	--	--
	8/27/2019	1,080	5,880 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	1,420	1,120,000 F-13	<30,200 ec	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW-10	4/21/2017	1,900 F	3,800	730	3.4	< 1.0	11	12.5	--	--	--	--
	9/29/2017	1,900 O	16,000	1,300 N1	<1.0	<1.0	13	26.7	--	--	--	--
	4/26/2018	2,290	1,500	<377	0.219	<1.00	3.52	5.95	--	--	--	--
MW-10R	8/30/2018	1,080	838	< 150	< 0.200	< 1.00	1.22	2.42	--	--	--	--
	11/29/2018	2,160	1,370	<755 ec	<0.200	<1.00	3.90	5.98	--	--	--	--
	3/28/2019	1,020	2,960 F-13	<151	0.401	<1.00	0.837	<1.50	--	--	--	--
	8/27/2019	1,270	3,620 F-13	<1,510 ec	<0.200	<1.00	1.44	3.06	--	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--
MW-11	4/21/2017	1,400 F	1,700	1,000 N1	28	4.1	8.2	26.1	--	--	--	--
	9/29/2017	1,000 O	3,100	720 N1	<1.0	<1.0	1.9	12.5	--	--	--	--
	4/26/2018	1,240	1,140	<374	<0.200	<1.00	0.56	2.27	--	--	--	--
	8/29/2018	944	251	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	1,350	503	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	1,540	1,230 F-13,F-20	<150	11.6	<1.00	<0.500	2.34	--	--	--	--
	8/26/2019	1,230	1,060 F-13, F-20	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	1,020	1,060 F-13	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW12	4/25/2018	<100	<189	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2018	<100	<74.8	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	<100	92.8	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	<100	<76.2	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	<74.8	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	91.0 F-11	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW13	4/25/2018	40,900	1,790	<377	1,500	4,710	627	3,780	--	--	--	--
	8/29/2018	39,300	2,500	<150	1,780	3,010	796	4,850	167	<50.0 ec	<25.0 ec	<25.0 ec
	11/27/2018	22,400	3,250	<151	1,380	271	458	3,170	--	--	--	--
	3/25/2019	28,500	4,650 F-11,F-20	<151	701	761	804	4,980	--	--	--	--
MW13R	8/26/2019	966	2,180 F-11,F-20	<151	96.4	<1.00	8.52	28.5	--	--	--	--
	12/17/2019	292	979 F-11	<154	47.3	<1.00	2.16	5.00	--	--	--	--
MW14	8/29/2018	4,040	487	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	4/25/2018	4,620	900	<374	13.1	<1.00	16.1	<1.50	3.21	<1.00	<0.500 ec	<0.400
	11/27/2018	5,170	933	<151	15.2	<1.00	1.70	<1.50	--	--	--	--
	3/25/2019	2,650	1,070 F-11,F-20	<151	17.8	<1.00	2.04	<1.50	--	--	--	--
	8/26/2019	3,510	1,280 F-11,F-20	<151	44.2	<10.0	5.95	<15	--	--	--	--
	12/17/2019	3,450	671 F-11,F-20	<154	24.7	<1.00	3.00	2.69	--	--	--	--
MW15	4/25/2018 iw	--	--	--	--	--	--	--	--	--	--	--
	8/29/20018 iw	--	--	--	--	--	--	--	--	--	--	--
	11/27/2018 iw	--	--	--	--	--	--	--	--	--	--	--
	3/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--
	12/19/19 iw	--	--	--	--	--	--	--	--	--	--	--
MW16	4/26/2018	<100	330	<374	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/29/2018	<100	298	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/28/2018	<100	337	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	<100	183 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	349 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	259 F-11	<154	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW17	4/26/2018	2,800	1,630	<377	1.23	<1.00	1.62	7.66	4.72	<1.00	<0.500 ec	<0.400
	8/29/2018	1,270	986	<150	0.450	<1.00	<0.500	<1.50	5.61	<1.00	<0.500 ec	<0.500
	11/28/2018	1,390	1,580	<151	0.305	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	1,180	2,520 F-13,F-20	<151	2.91	<1.00	0.692	1.50	--	--	--	--
	8/26/2019	655	6,730 F-13	<150	2.72	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	1,470	21,800 F-13	<3,050 ec	1.38	<1.00	3.10	<1.50	--	--	--	--
MW18	4/26/2018 iw	--	--	--	--	--	--	--	--	--	--	--
	8/2920018 iw	--	--	--	--	--	--	--	--	--	--	--
	11/27/2018 iw	--	--	--	--	--	--	--	--	--	--	--
	3/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012 iw	--	--	--	--	--	--	--	--	--	--	--
MW19	4/26/2018	280	979	<377	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2018	<100	406	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/30/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	447	4,300 F-13	<151	0.673	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019 iw	--	--	--	--	--	--	--	--	--	--	--
	12/17/2019	<100	674 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW20	4/26/2018	1,270	1,320	<377	<0.200	<1.00	1.56	5.44	--	--	--	--
	8/30/2018	320	346	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	674	1,280	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	1,220	2,190 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	588	870 F-11,F-20	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	553	967 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW21	4/26/2018	991	965	<374	<0.200	<1.00	0.835	1.82	--	--	--	--
	8/30/2018	<100	234	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	789	992	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	799	1,400 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	453	605 F-11,F-20	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	160 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW22	4/26/2018	6,960	4,690	<377	118	28.8	102	196	--	--	--	--
	8/30/2018	2,040	1,150	<748 ec	30.4	5.34	30.5	55.9	--	--	--	--
MW23	4/25/2018	<100	419	<381	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/29/2018	<100	266	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	<100	380	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/25/2019	<100	339 F-11	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	580 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	305 F-11	<152	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW24	8/30/2018	<100	220	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	154	914	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	696 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	560 F-11, F-20	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/19/2019 iw	--	--	--	--	--	--	--	--	--	--	--
MW25	8/30/2018	<100	<74.8	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/27/2018	<100	121	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	302 F-11	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	262 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	98.1 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW26	8/30/2018	<100	128	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	591 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	266 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	<100	187 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW27	8/30/2018	<100	118	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/28/2019	<100	185 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/28/2019	<100	467 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/18/2019	<100	264 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW28	8/30/2018	<100	105	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	385	486	<158	0.208	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	303	1,370 F-13	<151	1.30	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	302	1,010 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/17/2019	<100	671 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW29	8/28/2018	<100	459	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	238	809	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	237	2,930 F-13,F-15	928 F-16	1.64	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	--	--	--	--	--	--	--	--	--	--	--
	12/16/2019	3,960	129,000 F-13	<15,700 ec	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW30	8/28/2018	<100	193	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	11/29/2018	<100	304	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	<100	612 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	557 F-13	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	238	5,410 F-13	<154	<0.200	<1.00	<0.500	<1.50	--	--	--	--

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

		Fuels			Volatiles							
		GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Xylene, Total	Naphthalene	MTBE	EDB	EDC
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WA MTCA Method A Cleanup for Groundwater		800/1000	500	500	5	1,000	700	1,000	160	20	0.01	5
Benzene (Non Detect)		1,000										
Benzene (Detect)		800										
Field ID	**Date**											
MW31	8/28/2018	<100	<74.1	<148	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/1/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/27/2019	<100	<74.8	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/27/2019	<100	<74.8	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	<100	255 F-13	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
MW32	8/29/2018	139	161	<148	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00	<0.500 ec	<0.500
	11/28/2018	<100	<75.5	<151	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	3/26/2019	<100	296 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	8/26/2019	<100	302 F-11	<150	<0.200	<1.00	<0.500	<1.50	--	--	--	--
	12/16/2019	<100	433 F-11	<155	<2.00	<1.00	<0.500	<1.50	--	--	--	--

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

APPENDIX A

GROUNDWATER SAMPLE COLLECTION FORMS

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-015

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/2019

Sample I.D. MW-15-W Time: 1005
Field Duplicate I.D. — Time: —
Personnel: T. Haderly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 19.94 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 5.37 - 20.37
Depth to product — ft
Depth to water 11.84 ft Intake Depth (BTOC) ~13 Begin Purging Well: 9:42 AM
Casing volume 8.15 ft (H_2O) X 0.65 gal/ft = 5.3 gal. X 3 = 15.9 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
945	11.84	1+	15.74	0.523	4.24	6.14		
948	11.91	1+	16.38	0.657	3.57	6.18		
951	12.01	1+	16.10	0.654	3.48	6.32		
955	12.03	1+	16.04	0.659	3.32	6.32		
958	12.03	1+	16.05	0.648	2.89	6.36		
1001	12.03	1+	16.01	0.648	2.80	6.37		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCL	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCL	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-03S

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW-03S-W Time: 1210
Field Duplicate I.D. — Time: —
Personnel: T. Hudedy

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 19.30 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 4.43 - 19.43
Depth to product — ft
Depth to water 7.97 ft Intake Depth (BTOC) 12 Begin Purging Well: 1140
Casing volume 11.33 ft (H_2O) X 0.65 gal/ft = 7.36 gal. X 3 = 22 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1145	8.20	1+	15.20	0.297	1.62	6.60		
1148	8.37	1+	15.43	0.252	0.75	6.63		
1152	8.60	1+	15.49	0.241	0.52	6.65		
1155	8.84	1+	15.40	0.030	0.39	6.69		
1158	8.97	1+	15.41	0.029	0.38	6.70		
1203	9.05	1+	15.45	0.024	0.34	6.70		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCL	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW-6

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/18/19

Sample I.D. MW-6-W Time: 835
Field Duplicate I.D. _____ Time: _____
Personnel: Tc Hidenly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 18.00 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 8-18
Depth to product — ft
Depth to water 11.08 ft Intake Depth (BTOC) ~15 Begin Purging Well: 812
Casing volume 6.92 ft (H_2O) X 0.65 gal/ft = 4.5 gal. X 3 = 13.5 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
815	11.09	1+	14.39	0.462	0.84	6.17	-105	127
818	11.11	1+	15.22	0.466	0.58	6.25	-105	126
822	11.11	1+	15.42	0.466	0.36	6.25	-107	126
825	11.12	1+	15.56	0.461	0.30	6.24	-110	123
828	11.12	1+	15.67	0.465	0.25	6.25	-112	123
831	11.13	1+	15.68	0.470	0.25	6.25	-112	124

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NW TPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-8

Project Name: Coleman Oil Wentzel
Hydrocon Project #: 2017-074
Date 12/18/19

Sample I.D. MW-8-W Time: 1015
Field Duplicate I.D. _____ Time: _____
Personnel: J. Hadley

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 25.00 ft Bottom: ☐ Hard ☐ Soft ☐ Not measured Screen Interval(s): 15-25
Depth to product ~ ft
Depth to water 16.55 ft Intake Depth (BTOC) ~20 Begin Purging Well: 953
Casing volume 8.5 ft (H_2O) X 0.65 gal/ft = 5.5 gal. X 3 = 16.5 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
956	16.69	1+	15.72	0.633	0.94	6.36	-47	152
959	16.89	1+	16.25	0.631	0.29	6.32	-65	138
1002	17.04	1+	16.39	0.632	0.20	6.31	-71	134
1005	17.14	1+	16.47	0.634	0.16	6.31	-76	129
1008	17.22	1+	16.50	0.633	0.15	6.31	-79	124
1011	17.29	1+	16.55	0.636	0.14	6.32	-82	122

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW09R

Project Name: Coleman DTI Wenatchee
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D.: MW09-W Time: 1215
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vaulted well w/ system pump

PURGING INFORMATION

Total well depth 32.66 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 7-32'
Depth to product - ft
Depth to water 28.20 ft Intake Depth (BTOC) 28' Begin Purging Well: _____
Casing volume 4.40 ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: heavy odor/sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1210	-	-	13.3	0.781	3.36	6.63	-21.4	16.5

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	6x, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Sample collected from system well effluent heavy sheen & odor

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW10R

Project Name: Colemans DT Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW10R-W Time:
Field Duplicate I.D. Time:
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured ____ ppm ☐ Odor
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other
Comments System pump turned off 12/17 1130

PURGING INFORMATION

Total well depth 33.59 ft Bottom: ☐ Hard ☐ Soft ☐ Not measured Screen Interval(s):
Depth to product 27.65 ft
Depth to water [redacted] 27.7[redacted] Intake Depth (BTOC) Begin Purging Well:
Casing volume ft (H_2O) X 0.65 gal/ft = gal. X 3 = gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

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

FIELD PARAMETERS

Odor and/or Sheen:

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA		HCl	(No) 0.45 0.10	Gx, BTEX
1 L amber		HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments:

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-11

Project Name: Coleman Oil Montlake
Hydrocon Project #: 2017-074
Date 12/18/19

Sample I.D. MW-11-W Time: 930
Field Duplicate I.D. _____ Time: _____
Personnel: T. Hadley

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 22.00 ft Bottom: ☐ Hard ☐ Soft ☐ Not measured Screen Interval(s): 12-22
Depth to product — ft
Depth to water 14.29 ft Intake Depth (BTOC) ~16 Begin Purging Well: 905
Casing volume 7.71 ft (H_2O) X 0.65 gal/ft = 5 gal. X 3 = 15 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
908	14.30	1+	15.86	0.592	0.93	6.60	-60	154
911	14.33	1+	16.24	0.589	0.35	6.40	-67	143
914	14.33	1+	16.27	0.587	0.28	6.39	-70	136
917	14.33	1+	16.37	0.591	0.23	6.37	-74	128
920	14.35	1+	16.43	0.589	0.19	6.38	-76	124
923	14.35	1+	16.46	0.591	0.16	6.39	-78	120

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-12

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW-12-W Time: 1105
Field Duplicate I.D. — Time: —
Personnel: T. Haderly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 19.52 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 4.63 - 19.63
Depth to product — ft
Depth to water 8.00 ft Intake Depth (BTOC) ~13 Begin Purging Well: 1037
Casing volume 11.52 ft (H_2O) X 0.65 gal/ft = 7.5 gal. X 3 = 22.5 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1040	8.22	1+	14.25	0.321	3.25	6.40		
1043	8.47	1+	14.74	0.314	2.87	6.36		
1046	8.65	1+	15.02	0.315	2.78	6.45		
1050	8.76	1+	15.06	0.311	2.76	6.49		
1053	8.89	1+	15.02	0.312	2.80	6.54		
1059	9.07	1+	15.07	0.312	2.79	6.55		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amb-Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear-Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW-13R

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D.: MW-13R-W Time: 1400
Field Duplicate I.D.: MW-302-W Time: 1420
Personnel: T. Hadley

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 18.46 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 4.23 - 18.23
Depth to product — ft
Depth to water 8.02 ft Intake Depth (BTOC) ~14 Begin Purging Well: 1300
Casing volume 10.44 ft (H_2O) X 0.65 gal/ft = 6.8 gal. X 3 = 20.4 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1333	8.26	1+	11.36	—	2.86	7.25		
1356	8.32	1+	12.02	—	1.39	7.16		
1340	8.51	1+	12.20	0.032	1.19	7.29		
1343	8.79	1+	12.30	0.147	1.10	7.33		
1346	8.96	1+	12.28	0.189	1.04	7.34		
1350	9.25	1+	12.27	0.169	1.04	7.36		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	2	HCL	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	6	HCL	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Duplicate collected = MW-302-W @ 1420

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW-14

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/2019

Sample I.D. MW-14-W Time: 1450
Field Duplicate I.D. _____ Time: _____
Personnel: T. Haderly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 20.02 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 5.23 - 20.23
Depth to product — ft
Depth to water 8.58 ft Intake Depth (BTOC) N/A Begin Purging Well: 1428
Casing volume 11.44 ft (H_2O) X 0.65 gal/ft = 7.4 gal. X 3 = 22.2 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1430	8.81	1+	14.64	0.572	0.82	7.12		
1433	8.96	1+	14.82	0.032	0.39	6.93		
1436	9.06	1+	14.92	0.224	0.29	6.85		
1440	9.21	1+	14.97	0.223	0.24	6.80		
1443	9.32	1+	15.04	0.436	0.21	6.78		
1446	9.36	1+	15.09	0.473	0.20	6.77		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW-16

Project Name: Cleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW-16-W Time: 1255
Field Duplicate I.D. — Time: —
Personnel: T. Haderly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 18.00 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 8-18
Depth to product — ft
Depth to water 9.92 ft Intake Depth (BTOC) ~15 Begin Purging Well: 1232
Casing volume 8.08 ft (H_2O) X 0.65 gal/ft = 5.25 gal. X 3 = 15.7 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1235	10.17	1+	13.04	0.329	3.30	7.01		
1239	10.44	1+	14.42	0.668	2.24	6.98		
1242	10.63	1+	14.50	0.669	2.18	6.96		
1245	10.91	1+	14.48	0.673	2.11	6.95		
1248	11.14	1+	14.52	0.671	2.09	6.95		
1252	11.33	1+	14.51	0.666	1.94	6.95		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	No 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	No 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW17

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D. MW17-W Time: 1015
Field Duplicate I.D. MW301-W Time: 1020
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vaulted w/ system pump

PURGING INFORMATION

Total well depth 29.41 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 9-29
Depth to product - ft
Depth to water 28.34 ft Intake Depth (BTOC) - Begin Purging Well: -
Casing volume 1.07 ft (H_2O) X 0.65 gal/ft = .70 gal. X 3 = 2.10 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: Yes / Yes

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1005	-	-	13.1	.550	3.07	6.58	-50.2	16.1

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Suspended Orange algae in purge H_2O

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW19

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D.: MW19-W Time: 0920
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☒ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 31.48 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 11 - 31'
Depth to product - ft
Depth to water 30.55 ft Intake Depth (BTOC) 31' Begin Purging Well: 0905
Casing volume 0.93 ft (H_2O) X 0.65 gal/ft = .60 gal. X 3 = 2.40 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
☒ Bailer type: disposable Water Disposal: ☐ Drummed ☐ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: faint odor / light sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0912	-	-	14.3	.918	2.11	6.60	-81	47.6

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	Gx, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW20

Project Name: Coleman St Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D. MW20-W Time: 1355
Field Duplicate I.D. MW303-W Time: 1410
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☒ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 29.50 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 9-29'
Depth to product - ft
Depth to water 25.98 ft Intake Depth (BTOC) 27' Begin Purging Well: 1326
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: light odor; no sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1331	26.09		12.3	694	1.52	6.63	-69.0	8.50
1334	26.13		12.5	.716	0.78	6.51	-63.2	6.05
1337	26.17		13.1	.721	0.62	6.48	-62.3	5.54
1340	26.21	0.090	13.4	.723	0.53	6.47	-63.7	5.26
1343	26.24		13.6	.724	0.49	6.47	-65.1	5.12
1346	26.27		13.5	.723	0.46	6.47	-66.8	5.14

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW21

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D.: MW21-W Time: 1245
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 32.10 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 12 - 32'
Depth to product - ft
Depth to water 21.79 ft Intake Depth (BTOC) 26' Begin Purging Well: 1220
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1224	21.94		12.5	.661	2.79	7.02	-10.5	29.6
1227	21.97		13.4	702	2.27	6.93	-1.1	12.9
1230	22.02	0.105	13.8	.702	2.15	6.90	4.1	6.51
1233	22.05		13.9	.700	1.99	6.89	7.1	5.00
1236	22.09		14.1	.700	1.98	6.89	10.0	5.29
1239	22.12		14.1	.700	1.93	6.88	12.3	4.53
			Sample @ 1245					

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	Gx, BTEX
1L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW-23

Project Name: Coleman Oil - Weatherford
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW-23-W Time: 1550
Field Duplicate I.D. _____ Time: _____
Personnel: T. Haderly

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 22.04 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 7.13-22.13
Depth to product — ft
Depth to water 11.66 ft Intake Depth (BTOC) ~14 Begin Purging Well: 1528
Casing volume 10.38 ft (H_2O) X 0.65 gal/ft = 6.7 gal. X 3 = 20.1 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1530	11.82	1+	15.29	0.578	0.67	6.81		
1533	11.93	1+	15.48	0.579	0.31	6.62		
1536	11.97	1+	15.58	0.583	0.24	6.59		
1540	12.02	1+	15.69	0.588	0.20	6.55		
1543	12.05	1+	15.74	0.581	0.18	6.53		
1546	12.05	1+	15.75	0.580	0.17	6.52		

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
Amber Glass	1	HCl	(No) 0.45 0.10	NWTPH-Dx
Clear Glass	3	HCl	(No) 0.45 0.10	NWTPH-Gx, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW24

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW24-W Time:
Field Duplicate I.D. - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured ____ ppm ☐ Odor
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other
Comments System pump shut off 12/17/1120

PURGING INFORMATION

Total well depth 34.25 ft Bottom: ☐ Hard ☐ Soft ☐ Not measured Screen Interval(s):
Depth to product - ft
Depth to water 27.90 ft Intake Depth (BTOC) Begin Purging Well:
Casing volume ft (H_2O) X 0.65 gal/ft = gal. X 3 = gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

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

FIELD PARAMETERS

Odor and/or Sheen:

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
			No Sample					

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments:

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW25

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D.: MW25-W Time: 1545
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 32.96 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 12-32'
Depth to product - ft
Depth to water 25.50 ft Intake Depth (BTOC) 28' Begin Purging Well: 1522
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☐ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1525	25.66		12.1	.685	1.24	7.12	-42.7	+
1528	25.72		11.8	.693	1.22	7.15	-62.6	+
1531	25.79	0-120	12.4	.689	0.86	7.15	-71.4	511
1534	25.87		12.6	.686	0.74	7.16	-74.3	211
1537	25.96		12.8	.682	0.68	7.16	-74.1	94.9
1540	26.03		13.0	.679	0.71	7.16	-72.4	63.0

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

Purging Comments: + = overrange

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	Gx, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW26

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/17/19

Sample I.D.: MW26-W Time: 1625
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 32.52 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 12-32'
Depth to product - ft
Depth to water 26.16 ft Intake Depth (BTOC) 28' Begin Purging Well: 1601
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1606	26.32		11.8	.785	0.77	6.72	-70.3	19.4
1609	26.39		12.0	.801	0.61	6.63	-59.6	12.3
1612	26.47	0.11	12.4	.803	0.55	6.59	-51.1	7.38
1615	26.55		12.6	.811	0.52	6.57	-46.4	5.26
1618	26.63		12.7	.814	0.50	6.57	-44.2	5.43
1621	26.70		12.8	.814	0.49	6.56	-42.9	4.50

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW27

Project Name: Coleman Oil Wasteline
Hydrocon Project #: 2017-024
Date: 12/13/19

Sample I.D.: MW27-W Time: 0950
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 38.74 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 13-38'
Depth to product - ft
Depth to water 27.06 ft Intake Depth (BTOC) 29' Begin Purging Well: 0925
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0928	27.19		12.0	.712	3.42	6.71	-25.7	19.6
0931	27.26	0.110	12.3	.729	3.43	6.70	-12.7	6.63
0934	27.31		12.6	.732	3.30	6.67	-5.2	3.89
0937	27.34		13.1	.737	3.42	6.66	2.0	3.04
0940	27.36		12.4	.746	3.42	6.65	3.9	4.77
0943	27.40		11.6	.752	3.57	6.64	14.5	4.07

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW28

Project Name: Coleman Oil Weststone
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. MW28-W Time: 1105
Field Duplicate I.D. - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted well w/ system pump

PURGING INFORMATION

Total well depth 38.74 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 13 - 38'
Depth to product - ft
Depth to water 28.33 ft Intake Depth (BTOC) 28-38' Begin Purging Well: 1055
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: disposable Water Disposal: ☐ Drummed ☐ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: light/light

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1100	-	-	12.3	.497	5.75	7.05	-73.1	116

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Active system well, well not purged; Collect one round parameters

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	6x BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Grab Sample

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW 29

Project Name: Coleman Oil Venetsboro
Hydrocon Project #: 2014-074
Date: 12/16/19

Sample I.D.: MW 29-W Time: 1445
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vaulted well w/ system pump

PURGING INFORMATION

Total well depth 39.11 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 14-39'
Depth to product - ft
Depth to water 34.99 ft Intake Depth (BTOC) - Begin Purging Well: 1425
Casing volume 4.12 ft (H_2O) X 0.65 gal/ft = 2.68 gal. X 3 = 8.04 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other disposable bladder
Bailer type: _____ Water Disposal:: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: ~~Slight~~ ~~Moderate~~ Heavy odor/sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1435	-	-	11.3	.825	2.85	6.85	-103.9	83.2

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Well not purged, System well actively purges well

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GRO, BTEX
1 Liter	1	HCl	(No) 0.45 0.10	DRO
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Grab Sample w/ disposable bladder

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: MW30

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D.: MW30-W Time: 1400
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vented well w/ system pump

PURGING INFORMATION

Total well depth 39.79 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 14-39'
Depth to product - ft
Depth to water 34.99 ft Intake Depth (BTOC) - Begin Purging Well: 1350
Casing volume 4.80 ft (H_2O) X 0.65 gal/ft = 3.12 gal. X 3 = 9.36 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other disposable bladder
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: light / light

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1353	-	-	11.3	.928	6.08	6.75	-80	43.0

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Well not purged, Active system well & already purged regularly

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Grab Sample w/ disposable bailer

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW31

Project Name: Coleman Oil Warehouse
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D. MW31-W Time: 1320
Field Duplicate I.D. - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 39.28 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 14-39
Depth to product - ft
Depth to water 36.00 ft Intake Depth (BTOC) 37.0' Begin Purging Well 1300
Casing volume 3.28 ft (H_2O) X 0.65 gal/ft = 2.13 gal. X 3 = 6.42 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other disposable bailer
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1315	-	-	8.6	.824	5.02	6.89	-52.6	42.7

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	Gx, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Well bailed dry after 3 gals; Collect fresh recharge for parameters & sample

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW32

Project Name: Coleman Oil Weatherford
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D.: MW32-W Time: 0930
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vaulted systems well

PURGING INFORMATION

Total well depth 34.02 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 9-34'
Depth to product - ft
Depth to water 28.30 ft Intake Depth (BTOC) - Begin Purging Well: [illegible] -
Casing volume 5.72 ft (H_2O) X 0.65 gal/ft = 3.72 gal. X 3 = 11.16 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: light petro odor

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0925	-	-	13.9	.704	3.60	6.88	65.3	63.7

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	6x, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Sampled from dedicated pump effluent

GROUNDWATER SAMPLE COLLECTION FORM

Hydro Con

Well I.D. Number: B1to1R

Project Name: Columbia Wenatchee
Hydrocon Project #: 2017-074
Date: 12/16/19

Sample I.D.: B1to1R-W Time: 1550
Field Duplicate I.D.: - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☒ 4-inch ☐ 6-inch ☐ Other _____
Comments: Vaulted well w/ system pump

PURGING INFORMATION

Total well depth 39.97 ft Bottom: ☐ Hard ☐ Soft ☒ Not measured Screen Interval(s): 14 - 39'
Depth to product - ft
Depth to water 34.31 ft Intake Depth (BTOC) 35' Begin Purging Well: 1530
Casing volume 5.66 ft (H_2O) X 0.65 gal/ft = 3.68 gal. X 3 = 11.04 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☒ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1545	-	-	11.4	.612	7.70	6.84	-83.4	160

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Initial purge water stained orange, f/ iron bacteria; last pump run until water clears up

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	Gx, BTEX
1L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: Sampled from system pump effluent

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: BH02

Project Name: Coleman Oil Wenatchee
Hydrocon Project #: 2017-074
Date 12/17/19

Sample I.D. BH02-W Time: 1030
Field Duplicate I.D. - Time: -
Personnel: CD

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 34.60 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 20 - 35'
Depth to product - ft
Depth to water 23.60 ft Intake Depth (BTOC) - Begin Purging Well: 1000
Casing volume 6.00 ft (H_2O) X 0.16 gal/ft = 0.96 gal. X 3 = 2.88 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☐ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: disposable Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: mod odor w/sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1020	-	-	12.3	.629	2.63	6.65	-70	126

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Well bailed dry; Capture recharge for parameters & samples

SAMPLE INFORMATION

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

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: BH03

Project Name: Coleman Oil Weatherford
Hydrocon Project #: 2017-0724
Date: 12/18/19

Sample I.D.: BH03-W Time: 0900
Field Duplicate I.D.: - Time: -
Personnel: CO

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 29.45 ft Bottom: ☐ Hard ☒ Soft ☐ Not measured Screen Interval(s): 15-30'
Depth to product - ft
Depth to water 24.31 ft Intake Depth (BTOC) 27' Begin Purging Well: 0837
Casing volume _____ ft (H_2O) X 0.16 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: No

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
0841	24.73		13.2	.714	0.83	6.53	-66.9	108
0844	24.85		13.1	.724	0.65	6.39	-65.5	126
0847	24.97	0.09	13.1	.722	0.61	6.33	-62.8	105
0850	25.11		12.8	.721	0.56	6.31	-61.5	103
0853	25.23		12.7	.720	0.54	6.30	-60.7	81.3
0856	25.32		12.5	.719	0.53	6.29	-60.4	73.4

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L-amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

Hydro Con

GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: RW01

Project Name: Coleman 021 Windchree
Hydrocon Project #: 2017-074
Date: 12/13/19

Sample I.D.: RW01-V Time: 1030
Field Duplicate I.D.: - Time: -
Personnel: CO

WELL INFORMATION

Monument condition: ☒ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☒ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☒ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☐ 4-inch ☐ 6-inch ☒ Other 3"
Comments _____

PURGING INFORMATION

Total well depth 29.60 ft Bottom: ☒ Hard ☐ Soft ☐ Not measured Screen Interval(s): 15 - 30'
Depth to product - ft
Depth to water 27.42 ft Intake Depth (BTOC) 29' Begin Purging Well: 1004
Casing volume 2.18 ft (H_2O) X 0.331 gal/ft = .726 gal. X 3 = 2.18 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☒ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☒ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1008	27.69		12.5	.841	1.07	6.89	-62.4	14.5
1011	27.76		12.9	.851	0.95	6.86	-59.8	11.3
1014	27.86	0.105	13.3	.848	0.95	6.85	-54.5	7.20
1017	27.97		13.4	.838	0.99	6.86	-45.8	4.53
1020	28.07		13.5	.818	1.13	6.85	-36.8	4.11
1023	28.16		13.5	.841	1.55	6.85	-28.8	4.19

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

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40ml VOA	3	HCl	(No) 0.45 0.10	GX, BTEX
1 L amber	1	HCl	(No) 0.45 0.10	DX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

APPENDIX B

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Monday, December 30, 2019

Craig Hultgren
HydroCon LLC
314 W 15th Street Suite 300
Vancouver, WA 98660

RE: A9L0812 - Coleman Wenatchee - 2017-074

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

Enclosed are the results of analyses for work order A9L0812, which was received by the laboratory on 12/19/2019 at 2:47:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	1.9 degC	Cooler #2	1.0 degC
Cooler #3	0.9 degC	Cooler #4	2.9 degC

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

Apex Laboratories

Lisa A Domenighini

Lisa Domenighini, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01S-W	A9L0812-01	Water	12/17/19 10:05	12/19/19 14:47
MW03S-W	A9L0812-02	Water	12/17/19 12:10	12/19/19 14:47
MW06-W	A9L0812-03	Water	12/18/19 08:35	12/19/19 14:47
MW08-W	A9L0812-04	Water	12/18/19 10:15	12/19/19 14:47
MW09R-W	A9L0812-05	Water	12/16/19 12:15	12/19/19 14:47
MW11-W	A9L0812-06	Water	12/18/19 09:30	12/19/19 14:47
MW12-W	A9L0812-07	Water	12/17/19 11:05	12/19/19 14:47
MW13R-W	A9L0812-08	Water	12/17/19 14:00	12/19/19 14:47
MW14-W	A9L0812-09	Water	12/17/19 14:50	12/19/19 14:47
MW16-W	A9L0812-10	Water	12/17/19 12:55	12/19/19 14:47
MW17-W	A9L0812-11	Water	12/16/19 10:15	12/19/19 14:47
MW19-W	A9L0812-12	Water	12/17/19 09:20	12/19/19 14:47
MW20-W	A9L0812-13	Water	12/17/19 13:55	12/19/19 14:47
MW21-W	A9L0812-14	Water	12/17/19 12:45	12/19/19 14:47
MW23-W	A9L0812-15	Water	12/17/19 15:50	12/19/19 14:47
MW25-W	A9L0812-16	Water	12/17/19 15:45	12/19/19 14:47
MW26-W	A9L0812-17	Water	12/17/19 16:25	12/19/19 14:47
MW27-W	A9L0812-18	Water	12/18/19 09:50	12/19/19 14:47
MW28-W	A9L0812-19	Water	12/17/19 11:05	12/19/19 14:47
MW29-W	A9L0812-20	Water	12/16/19 14:45	12/19/19 14:47
MW30-W	A9L0812-21	Water	12/16/19 14:00	12/19/19 14:47
MW31-W	A9L0812-22	Water	12/16/19 13:20	12/19/19 14:47
MW32-W	A9L0812-23	Water	12/16/19 09:30	12/19/19 14:47
BH01R-W	A9L0812-24	Water	12/16/19 15:50	12/19/19 14:47
BH02-W	A9L0812-25	Water	12/17/19 10:30	12/19/19 14:47
BH03-W	A9L0812-26	Water	12/18/19 09:00	12/19/19 14:47
RW01-W	A9L0812-27	Water	12/18/19 10:30	12/19/19 14:47
MW301-W	A9L0812-28	Water	12/16/19 10:20	12/19/19 14:47
MW302-W	A9L0812-29	Water	12/17/19 14:20	12/19/19 14:47
MW303-W	A9L0812-30	Water	12/17/19 14:10	12/19/19 14:47
Trip Blank #2201	A9L0812-31	Water	12/16/19 00:00	12/19/19 14:47

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Lisa A Domenighini

Lisa Domenighini, Client Services Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW01S-W (A9L0812-01)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**97.2**	---	76.9	ug/L	1	12/24/19 21:04	NWTPH-Dx	**F-11**
Oil	ND	---	154	ug/L	1	12/24/19 21:04	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 84 %*	*Limits: 50-150 %*		*1*	*12/24/19 21:04*	*NWTPH-Dx*	
MW03S-W (A9L0812-02)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**77.7**	---	77.7	ug/L	1	12/24/19 21:27	NWTPH-Dx	**F-11**
Oil	ND	---	155	ug/L	1	12/24/19 21:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 84 %*	*Limits: 50-150 %*		*1*	*12/24/19 21:27*	*NWTPH-Dx*	
MW06-W (A9L0812-03)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**742**	---	76.9	ug/L	1	12/21/19 01:47	NWTPH-Dx	**F-13**
Oil	ND	---	154	ug/L	1	12/21/19 01:47	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 73 %*	*Limits: 50-150 %*		*1*	*12/21/19 01:47*	*NWTPH-Dx*	
MW08-W (A9L0812-04)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**1110**	---	77.7	ug/L	1	12/21/19 02:07	NWTPH-Dx	**F-13**
Oil	ND	---	155	ug/L	1	12/21/19 02:07	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 76 %*	*Limits: 50-150 %*		*1*	*12/21/19 02:07*	*NWTPH-Dx*	
MW09R-W (A9L0812-05RE2)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**1120000**	---	15100	ug/L	200	12/23/19 09:45	NWTPH-Dx	**F-13**
Oil	ND	---	30200	ug/L	200	12/23/19 09:45	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: %*	*Limits: 50-150 %*		*200*	*12/23/19 09:45*	*NWTPH-Dx*	*S-01*
MW11-W (A9L0812-06)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**1060**	---	76.2	ug/L	1	12/21/19 02:47	NWTPH-Dx	**F-13**
Oil	ND	---	152	ug/L	1	12/21/19 02:47	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 79 %*	*Limits: 50-150 %*		*1*	*12/21/19 02:47*	*NWTPH-Dx*	
MW12-W (A9L0812-07)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**91.0**	---	76.2	ug/L	1	12/21/19 03:07	NWTPH-Dx	**F-11**
Oil	ND	---	152	ug/L	1	12/21/19 03:07	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 71 %*	*Limits: 50-150 %*		*1*	*12/21/19 03:07*	*NWTPH-Dx*	
MW13R-W (A9L0812-08)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**979**	---	76.9	ug/L	1	12/21/19 03:27	NWTPH-Dx	**F-11**

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EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW13R-W (A9L0812-08)				**Matrix: Water**		**Batch: 9121190**		
Oil	ND	---	154	ug/L	1	12/21/19 03:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 69 %*		*Limits: 50-150 %*	*1*	*12/21/19 03:27*	*NWTPH-Dx*	
MW14-W (A9L0812-09)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**671**	---	76.9	ug/L	1	12/21/19 03:47	NWTPH-Dx	**F-11, F-20**
Oil	ND	---	154	ug/L	1	12/21/19 03:47	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 74 %*		*Limits: 50-150 %*	*1*	*12/21/19 03:47*	*NWTPH-Dx*	
MW16-W (A9L0812-10)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**259**	---	76.2	ug/L	1	12/21/19 04:08	NWTPH-Dx	**F-11**
Oil	ND	---	152	ug/L	1	12/21/19 04:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*12/21/19 04:08*	*NWTPH-Dx*	
MW17-W (A9L0812-11RE1)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**21800**	---	1520	ug/L	20	12/23/19 09:25	NWTPH-Dx	**F-13**
Oil	ND	---	3050	ug/L	20	12/23/19 09:25	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: %*		*Limits: 50-150 %*	*20*	*12/23/19 09:25*	*NWTPH-Dx*	*S-01*
MW19-W (A9L0812-12)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**674**	---	75.5	ug/L	1	12/21/19 04:48	NWTPH-Dx	**F-13**
Oil	ND	---	151	ug/L	1	12/21/19 04:48	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*12/21/19 04:48*	*NWTPH-Dx*	
MW20-W (A9L0812-13)				**Matrix: Water**		**Batch: 9121190**		
Diesel	**967**	---	74.8	ug/L	1	12/21/19 05:08	NWTPH-Dx	**F-13**
Oil	ND	---	150	ug/L	1	12/21/19 05:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 66 %*		*Limits: 50-150 %*	*1*	*12/21/19 05:08*	*NWTPH-Dx*	
MW21-W (A9L0812-14)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**160**	---	74.8	ug/L	1	12/24/19 21:49	NWTPH-Dx	**F-11**
Oil	ND	---	150	ug/L	1	12/24/19 21:49	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*12/24/19 21:49*	*NWTPH-Dx*	
MW23-W (A9L0812-15)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**305**	---	76.2	ug/L	1	12/24/19 22:12	NWTPH-Dx	**F-11**
Oil	ND	---	152	ug/L	1	12/24/19 22:12	NWTPH-Dx	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW23-W (A9L0812-15)				**Matrix: Water**		**Batch: 9121291**		
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*	*Limits: 50-150 %*		*1*	*12/24/19 22:12*	*NWTPH-Dx*	
MW25-W (A9L0812-16)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**98.1**	---	74.8	ug/L	1	12/25/19 00:05	NWTPH-Dx	**F-11**
Oil	ND	---	150	ug/L	1	12/25/19 00:05	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*	*Limits: 50-150 %*		*1*	*12/25/19 00:05*	*NWTPH-Dx*	
MW26-W (A9L0812-17)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**187**	---	74.8	ug/L	1	12/25/19 00:28	NWTPH-Dx	**F-11**
Oil	ND	---	150	ug/L	1	12/25/19 00:28	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 75 %*	*Limits: 50-150 %*		*1*	*12/25/19 00:28*	*NWTPH-Dx*	
MW27-W (A9L0812-18)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**264**	---	74.8	ug/L	1	12/25/19 00:50	NWTPH-Dx	**F-11**
Oil	ND	---	150	ug/L	1	12/25/19 00:50	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*	*Limits: 50-150 %*		*1*	*12/25/19 00:50*	*NWTPH-Dx*	
MW28-W (A9L0812-19)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**671**	---	75.5	ug/L	1	12/25/19 01:13	NWTPH-Dx	**F-13**
Oil	ND	---	151	ug/L	1	12/25/19 01:13	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*	*Limits: 50-150 %*		*1*	*12/25/19 01:13*	*NWTPH-Dx*	
MW29-W (A9L0812-20RE1)				**Matrix: Water**		**Batch: 9121291**		
Diesel	**129000**	---	7840	ug/L	100	12/26/19 08:00	NWTPH-Dx	**F-13**
Oil	ND	---	15700	ug/L	100	12/26/19 08:00	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: %*	*Limits: 50-150 %*		*100*	*12/26/19 08:00*	*NWTPH-Dx*	*S-01*
MW30-W (A9L0812-21)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**5410**	---	76.9	ug/L	1	12/26/19 22:26	NWTPH-Dx	**F-13**
Oil	ND	---	154	ug/L	1	12/26/19 22:26	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 95 %*	*Limits: 50-150 %*		*1*	*12/26/19 22:26*	*NWTPH-Dx*	
MW31-W (A9L0812-22)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**255**	---	75.5	ug/L	1	12/26/19 22:48	NWTPH-Dx	**F-13**
Oil	ND	---	151	ug/L	1	12/26/19 22:48	NWTPH-Dx	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW31-W (A9L0812-22)				**Matrix: Water**		**Batch: 9121331**		
Surrogate: o-Terphenyl (Surr)			*Recovery: 99 %*	*Limits: 50-150 %*	*1*	*12/26/19 22:48*	*NWTPH-Dx*	
MW32-W (A9L0812-23)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**433**	---	77.7	ug/L	1	12/26/19 23:11	NWTPH-Dx	**F-11**
Oil	ND	---	155	ug/L	1	12/26/19 23:11	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*	*1*	*12/26/19 23:11*	*NWTPH-Dx*	
BH01R-W (A9L0812-24RE1)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**42800**	---	1600	ug/L	20	12/27/19 08:53	NWTPH-Dx	**F-13**
Oil	ND	---	3200	ug/L	20	12/27/19 08:53	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: %*	*Limits: 50-150 %*	*20*	*12/27/19 08:53*	*NWTPH-Dx*	*S-01*
BH02-W (A9L0812-25)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**2230**	---	75.5	ug/L	1	12/26/19 23:56	NWTPH-Dx	**F-13**
Oil	ND	---	151	ug/L	1	12/26/19 23:56	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 95 %*	*Limits: 50-150 %*	*1*	*12/26/19 23:56*	*NWTPH-Dx*	
BH03-W (A9L0812-26)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**488**	---	74.8	ug/L	1	12/27/19 00:19	NWTPH-Dx	**F-13**
Oil	ND	---	150	ug/L	1	12/27/19 00:19	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*	*1*	*12/27/19 00:19*	*NWTPH-Dx*	
RW01-W (A9L0812-27)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**78.7**	---	74.8	ug/L	1	12/27/19 00:41	NWTPH-Dx	**F-11**
Oil	ND	---	150	ug/L	1	12/27/19 00:41	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 92 %*	*Limits: 50-150 %*	*1*	*12/27/19 00:41*	*NWTPH-Dx*	
MW301-W (A9L0812-28RE1)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**16000**	---	800	ug/L	10	12/27/19 09:16	NWTPH-Dx	**F-13**
Oil	ND	---	1600	ug/L	10	12/27/19 09:16	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 86 %*	*Limits: 50-150 %*	*10*	*12/27/19 09:16*	*NWTPH-Dx*	*S-05*
MW302-W (A9L0812-29)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**1320**	---	77.7	ug/L	1	12/27/19 01:27	NWTPH-Dx	**F-11**
Oil	ND	---	155	ug/L	1	12/27/19 01:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)			*Recovery: 94 %*	*Limits: 50-150 %*	*1*	*12/27/19 01:27*	*NWTPH-Dx*	

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW303-W (A9L0812-30)				**Matrix: Water**		**Batch: 9121331**		
Diesel	**1060**	---	74.8	ug/L	1	12/27/19 01:49	NWTPH-Dx	**F-13**
Oil	ND	---	150	ug/L	1	12/27/19 01:49	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*	*Limits: 50-150 %*		*1*	*12/27/19 01:49*	*NWTPH-Dx*	

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Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW01S-W (A9L0812-01)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 12:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*12/20/19 12:40*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*111 %*	*50-150 %*		*1*	*12/20/19 12:40*	*NWTPH-Gx (MS)*	
MW03S-W (A9L0812-02)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 13:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*12/20/19 13:07*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*112 %*	*50-150 %*		*1*	*12/20/19 13:07*	*NWTPH-Gx (MS)*	
MW06-W (A9L0812-03)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**221**	---	100	ug/L	1	12/20/19 13:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*12/20/19 13:34*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*109 %*	*50-150 %*		*1*	*12/20/19 13:34*	*NWTPH-Gx (MS)*	
MW08-W (A9L0812-04)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**891**	---	100	ug/L	1	12/20/19 17:10	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*12/20/19 17:10*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*108 %*	*50-150 %*		*1*	*12/20/19 17:10*	*NWTPH-Gx (MS)*	
MW09R-W (A9L0812-05)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**1420**	---	100	ug/L	1	12/20/19 14:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*12/20/19 14:01*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*110 %*	*50-150 %*		*1*	*12/20/19 14:01*	*NWTPH-Gx (MS)*	
MW11-W (A9L0812-06)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**1020**	---	100	ug/L	1	12/20/19 14:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*12/20/19 14:28*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*108 %*	*50-150 %*		*1*	*12/20/19 14:28*	*NWTPH-Gx (MS)*	
MW12-W (A9L0812-07)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 14:55	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*12/20/19 14:55*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*109 %*	*50-150 %*		*1*	*12/20/19 14:55*	*NWTPH-Gx (MS)*	
MW13R-W (A9L0812-08)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**292**	---	100	ug/L	1	12/20/19 18:04	NWTPH-Gx (MS)	

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Lisa A Domenighini

Lisa Domenighini, Client Services Manager

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW13R-W (A9L0812-08)				**Matrix: Water**		**Batch: 9121169**		
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 93 %*	*Limits: 50-150 %*	*1*	*12/20/19 18:04*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*12/20/19 18:04*	*NWTPH-Gx (MS)*	
MW14-W (A9L0812-09)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**3450**	---	100	ug/L	1	12/20/19 15:22	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*	*Limits: 50-150 %*	*1*	*12/20/19 15:22*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*12/20/19 15:22*	*NWTPH-Gx (MS)*	
MW16-W (A9L0812-10)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 15:49	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 94 %*	*Limits: 50-150 %*	*1*	*12/20/19 15:49*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*12/20/19 15:49*	*NWTPH-Gx (MS)*	
MW17-W (A9L0812-11)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**1470**	---	100	ug/L	1	12/20/19 16:16	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*	*Limits: 50-150 %*	*1*	*12/20/19 16:16*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*12/20/19 16:16*	*NWTPH-Gx (MS)*	
MW19-W (A9L0812-12)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 16:43	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 98 %*	*Limits: 50-150 %*	*1*	*12/20/19 16:43*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*	*1*	*12/20/19 16:43*	*NWTPH-Gx (MS)*	
MW20-W (A9L0812-13)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	**553**	---	100	ug/L	1	12/20/19 19:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 100 %*	*Limits: 50-150 %*	*1*	*12/20/19 19:25*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*110 %*	*50-150 %*	*1*	*12/20/19 19:25*	*NWTPH-Gx (MS)*	
MW21-W (A9L0812-14)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 19:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 94 %*	*Limits: 50-150 %*	*1*	*12/20/19 19:52*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*12/20/19 19:52*	*NWTPH-Gx (MS)*	
MW23-W (A9L0812-15)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 20:19	NWTPH-Gx (MS)	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW23-W (A9L0812-15)				**Matrix: Water**		**Batch: 9121169**		
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*	*1*	*12/20/19 20:19*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*	*1*	*12/20/19 20:19*	*NWTPH-Gx (MS)*	
MW25-W (A9L0812-16)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 20:46	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*	*Limits: 50-150 %*	*1*	*12/20/19 20:46*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*110 %*	*50-150 %*	*1*	*12/20/19 20:46*	*NWTPH-Gx (MS)*	
MW26-W (A9L0812-17)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 16:54	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*	*Limits: 50-150 %*	*1*	*12/20/19 16:54*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*111 %*	*50-150 %*	*1*	*12/20/19 16:54*	*NWTPH-Gx (MS)*	
MW27-W (A9L0812-18)				**Matrix: Water**		**Batch: 9121169**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 21:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*	*Limits: 50-150 %*	*1*	*12/20/19 21:13*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*110 %*	*50-150 %*	*1*	*12/20/19 21:13*	*NWTPH-Gx (MS)*	
MW28-W (A9L0812-19)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 17:21	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 114 %*	*Limits: 50-150 %*	*1*	*12/20/19 17:21*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*111 %*	*50-150 %*	*1*	*12/20/19 17:21*	*NWTPH-Gx (MS)*	
MW29-W (A9L0812-20)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	**3960**	---	100	ug/L	1	12/20/19 17:49	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 129 %*	*Limits: 50-150 %*	*1*	*12/20/19 17:49*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*12/20/19 17:49*	*NWTPH-Gx (MS)*	
MW30-W (A9L0812-21)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	**238**	---	100	ug/L	1	12/20/19 18:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 124 %*	*Limits: 50-150 %*	*1*	*12/20/19 18:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*12/20/19 18:17*	*NWTPH-Gx (MS)*	
MW31-W (A9L0812-22)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 18:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 117 %*	*Limits: 50-150 %*	*1*	*12/20/19 18:45*	*NWTPH-Gx (MS)*	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW31-W (A9L0812-22)				**Matrix: Water**		**Batch: 9121174**		
Surrogate: 1,4-Difluorobenzene (Sur)		*Recovery: 106 %*	*Limits: 50-150 %*		*1*	*12/20/19 18:45*	*NWTPH-Gx (MS)*	
MW32-W (A9L0812-23)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 19:12	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 111 %*	*Limits: 50-150 %*		*1*	*12/20/19 19:12*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*108 %*	*50-150 %*		*1*	*12/20/19 19:12*	*NWTPH-Gx (MS)*	
BH01R-W (A9L0812-24)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	**918**	---	100	ug/L	1	12/20/19 19:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*12/20/19 19:40*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*92 %*	*50-150 %*		*1*	*12/20/19 19:40*	*NWTPH-Gx (MS)*	
BH02-W (A9L0812-25)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	**202**	---	100	ug/L	1	12/20/19 20:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 113 %*	*Limits: 50-150 %*		*1*	*12/20/19 20:34*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*12/20/19 20:34*	*NWTPH-Gx (MS)*	
BH03-W (A9L0812-26)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	**126**	---	100	ug/L	1	12/20/19 21:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 112 %*	*Limits: 50-150 %*		*1*	*12/20/19 21:01*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*12/20/19 21:01*	*NWTPH-Gx (MS)*	
RW01-W (A9L0812-27)				**Matrix: Water**		**Batch: 9121174**		
Gasoline Range Organics	ND	---	100	ug/L	1	12/20/19 21:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 111 %*	*Limits: 50-150 %*		*1*	*12/20/19 21:28*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*107 %*	*50-150 %*		*1*	*12/20/19 21:28*	*NWTPH-Gx (MS)*	
MW301-W (A9L0812-28RE1)				**Matrix: Water**		**Batch: 9121227**		
Gasoline Range Organics	**2030**	---	100	ug/L	1	12/23/19 14:57	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*12/23/19 14:57*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*108 %*	*50-150 %*		*1*	*12/23/19 14:57*	*NWTPH-Gx (MS)*	
MW302-W (A9L0812-29RE1)				**Matrix: Water**		**Batch: 9121227**		
Gasoline Range Organics	**242**	---	100	ug/L	1	12/23/19 15:24	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 89 %*	*Limits: 50-150 %*		*1*	*12/23/19 15:24*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*103 %*	*50-150 %*		*1*	*12/23/19 15:24*	*NWTPH-Gx (MS)*	

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW303-W (A9L0812-30RE1)				**Matrix: Water**		**Batch: 9121227**		
Gasoline Range Organics	**589**	---	100	ug/L	1	12/23/19 15:51	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*12/23/19 15:51*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*12/23/19 15:51*	*NWTPH-Gx (MS)*	

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Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW01S-W (A9L0812-01)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 12:40	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 12:40	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 12:40	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 12:40	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 12:40*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 12:40*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 12:40*	*EPA 8260C*	
MW03S-W (A9L0812-02)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 13:07	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 13:07	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 13:07	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 13:07	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits: 80-120 %*	*1*	*12/20/19 13:07*	*EPA 8260C*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 13:07*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 13:07*	*EPA 8260C*	
MW06-W (A9L0812-03)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 13:34	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 13:34	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 13:34	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 13:34	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 13:34*	*EPA 8260C*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 13:34*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 13:34*	*EPA 8260C*	
MW08-W (A9L0812-04)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 17:10	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 17:10	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 17:10	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 17:10	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 17:10*	*EPA 8260C*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 17:10*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 17:10*	*EPA 8260C*	
MW09R-W (A9L0812-05)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 14:01	EPA 8260C	

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Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW09R-W (A9L0812-05)				**Matrix: Water**		**Batch: 9121169**		
Toluene	ND	---	1.00	ug/L	1	12/20/19 14:01	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 14:01	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 14:01	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*113 %*	*Limits: 80-120 %*	*1*	*12/20/19 14:01*	*EPA 8260C*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*12/20/19 14:01*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*12/20/19 14:01*	*EPA 8260C*	
MW11-W (A9L0812-06)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 14:28	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 14:28	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 14:28	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 14:28	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*113 %*	*Limits: 80-120 %*	*1*	*12/20/19 14:28*	*EPA 8260C*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 14:28*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 14:28*	*EPA 8260C*	
MW12-W (A9L0812-07)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 14:55	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 14:55	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 14:55	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 14:55	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 14:55*	*EPA 8260C*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 14:55*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 14:55*	*EPA 8260C*	
MW13R-W (A9L0812-08)				**Matrix: Water**		**Batch: 9121169**		
Benzene	**47.3**	---	0.200	ug/L	1	12/20/19 18:04	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 18:04	EPA 8260C	
Ethylbenzene	**2.16**	---	0.500	ug/L	1	12/20/19 18:04	EPA 8260C	
Xylenes, total	**5.00**	---	1.50	ug/L	1	12/20/19 18:04	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*111 %*	*Limits: 80-120 %*	*1*	*12/20/19 18:04*	*EPA 8260C*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 18:04*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 18:04*	*EPA 8260C*	
MW14-W (A9L0812-09)				**Matrix: Water**		**Batch: 9121169**		
Benzene	**24.7**	---	0.200	ug/L	1	12/20/19 15:22	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 15:22	EPA 8260C	

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Lisa Domenighini, Client Services Manager

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW14-W (A9L0812-09)				**Matrix: Water**		**Batch: 9121169**		
Ethylbenzene	**3.00**	---	0.500	ug/L	1	12/20/19 15:22	EPA 8260C	
Xylenes, total	**2.69**	---	1.50	ug/L	1	12/20/19 15:22	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*113 %*	*Limits: 80-120 %*	*1*	*12/20/19 15:22*	*EPA 8260C*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*12/20/19 15:22*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 15:22*	*EPA 8260C*	
MW16-W (A9L0812-10)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 15:49	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 15:49	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 15:49	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 15:49	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits: 80-120 %*	*1*	*12/20/19 15:49*	*EPA 8260C*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 15:49*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 15:49*	*EPA 8260C*	
MW17-W (A9L0812-11)				**Matrix: Water**		**Batch: 9121169**		
Benzene	**1.38**	---	0.200	ug/L	1	12/20/19 16:16	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 16:16	EPA 8260C	
Ethylbenzene	**3.10**	---	0.500	ug/L	1	12/20/19 16:16	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 16:16	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*113 %*	*Limits: 80-120 %*	*1*	*12/20/19 16:16*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 16:16*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 16:16*	*EPA 8260C*	
MW19-W (A9L0812-12)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 16:43	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 16:43	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 16:43	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 16:43	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits: 80-120 %*	*1*	*12/20/19 16:43*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 16:43*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 16:43*	*EPA 8260C*	
MW20-W (A9L0812-13)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 19:25	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 19:25	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 19:25	EPA 8260C	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW20-W (A9L0812-13)				**Matrix: Water**		**Batch: 9121169**		
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 19:25	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 19:25*	*EPA 8260C*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 19:25*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 19:25*	*EPA 8260C*	
MW21-W (A9L0812-14)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 19:52	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 19:52	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 19:52	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 19:52	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 19:52*	*EPA 8260C*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 19:52*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 19:52*	*EPA 8260C*	
MW23-W (A9L0812-15)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 20:19	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 20:19	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 20:19	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 20:19	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 20:19*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 20:19*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 20:19*	*EPA 8260C*	
MW25-W (A9L0812-16)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 20:46	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 20:46	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 20:46	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 20:46	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*114 %*	*Limits: 80-120 %*	*1*	*12/20/19 20:46*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 20:46*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 20:46*	*EPA 8260C*	
MW26-W (A9L0812-17)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 16:54	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 16:54	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 16:54	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 16:54	EPA 8260C	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW26-W (A9L0812-17)				**Matrix: Water**		**Batch: 9121174**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*110 %*	*Limits: 80-120 %*	*1*	*12/20/19 16:54*	*EPA 8260C*	
Toluene-d8 (Surr)			*112 %*	*80-120 %*	*1*	*12/20/19 16:54*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 16:54*	*EPA 8260C*	
MW27-W (A9L0812-18)				**Matrix: Water**		**Batch: 9121169**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 21:13	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 21:13	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 21:13	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 21:13	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*116 %*	*Limits: 80-120 %*	*1*	*12/20/19 21:13*	*EPA 8260C*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 21:13*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 21:13*	*EPA 8260C*	
MW28-W (A9L0812-19)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 17:21	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 17:21	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 17:21	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 17:21	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*12/20/19 17:21*	*EPA 8260C*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 17:21*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*12/20/19 17:21*	*EPA 8260C*	
MW29-W (A9L0812-20)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 17:49	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 17:49	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 17:49	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 17:49	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*12/20/19 17:49*	*EPA 8260C*	
Toluene-d8 (Surr)			*89 %*	*80-120 %*	*1*	*12/20/19 17:49*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*105 %*	*80-120 %*	*1*	*12/20/19 17:49*	*EPA 8260C*	
MW30-W (A9L0812-21)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 18:17	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 18:17	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 18:17	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 18:17	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*12/20/19 18:17*	*EPA 8260C*	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW30-W (A9L0812-21)				**Matrix: Water**		**Batch: 9121174**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*92 %*	*Limits: 80-120 %*	*1*	*12/20/19 18:17*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*12/20/19 18:17*	*EPA 8260C*	
MW31-W (A9L0812-22)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 18:45	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 18:45	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 18:45	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 18:45	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*12/20/19 18:45*	*EPA 8260C*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*12/20/19 18:45*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*12/20/19 18:45*	*EPA 8260C*	
MW32-W (A9L0812-23)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 19:12	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 19:12	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 19:12	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 19:12	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*12/20/19 19:12*	*EPA 8260C*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 19:12*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*12/20/19 19:12*	*EPA 8260C*	
BH01R-W (A9L0812-24)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 19:40	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 19:40	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 19:40	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 19:40	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*92 %*	*Limits: 80-120 %*	*1*	*12/20/19 19:40*	*EPA 8260C*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*12/20/19 19:40*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*12/20/19 19:40*	*EPA 8260C*	
BH02-W (A9L0812-25)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 20:34	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 20:34	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 20:34	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 20:34	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*12/20/19 20:34*	*EPA 8260C*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*12/20/19 20:34*	*EPA 8260C*	

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BH02-W (A9L0812-25)				**Matrix: Water**		**Batch: 9121174**		
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery: 99 %*	*Limits: 80-120 %*		*1*	*12/20/19 20:34*	*EPA 8260C*	
BH03-W (A9L0812-26)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 21:01	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 21:01	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 21:01	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 21:01	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*	*Limits: 80-120 %*		*1*	*12/20/19 21:01*	*EPA 8260C*	
Toluene-d8 (Surr)		*96 %*	*80-120 %*		*1*	*12/20/19 21:01*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)		*100 %*	*80-120 %*		*1*	*12/20/19 21:01*	*EPA 8260C*	
RW01-W (A9L0812-27)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 21:28	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 21:28	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 21:28	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 21:28	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 108 %*	*Limits: 80-120 %*		*1*	*12/20/19 21:28*	*EPA 8260C*	
Toluene-d8 (Surr)		*98 %*	*80-120 %*		*1*	*12/20/19 21:28*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)		*98 %*	*80-120 %*		*1*	*12/20/19 21:28*	*EPA 8260C*	
MW301-W (A9L0812-28RE1)				**Matrix: Water**		**Batch: 9121227**		
Benzene	**1.35**	---	0.200	ug/L	1	12/23/19 14:57	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/23/19 14:57	EPA 8260C	
Ethylbenzene	**2.41**	---	0.500	ug/L	1	12/23/19 14:57	EPA 8260C	
Xylenes, total	**1.59**	---	1.50	ug/L	1	12/23/19 14:57	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 113 %*	*Limits: 80-120 %*		*1*	*12/23/19 14:57*	*EPA 8260C*	
Toluene-d8 (Surr)		*100 %*	*80-120 %*		*1*	*12/23/19 14:57*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)		*98 %*	*80-120 %*		*1*	*12/23/19 14:57*	*EPA 8260C*	
MW302-W (A9L0812-29RE1)				**Matrix: Water**		**Batch: 9121227**		
Benzene	**38.5**	---	0.200	ug/L	1	12/23/19 15:24	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/23/19 15:24	EPA 8260C	
Ethylbenzene	**1.87**	---	0.500	ug/L	1	12/23/19 15:24	EPA 8260C	
Xylenes, total	**3.98**	---	1.50	ug/L	1	12/23/19 15:24	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 110 %*	*Limits: 80-120 %*		*1*	*12/23/19 15:24*	*EPA 8260C*	
Toluene-d8 (Surr)		*101 %*	*80-120 %*		*1*	*12/23/19 15:24*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)		*95 %*	*80-120 %*		*1*	*12/23/19 15:24*	*EPA 8260C*	

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EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW303-W (A9L0812-30RE1)				**Matrix: Water**		**Batch: 9121227**		
Benzene	ND	---	0.200	ug/L	1	12/23/19 15:51	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/23/19 15:51	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/23/19 15:51	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/23/19 15:51	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits:* *80-120 %*	*1*	*12/23/19 15:51*	*EPA 8260C*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*12/23/19 15:51*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/23/19 15:51*	*EPA 8260C*	
Trip Blank #2201 (A9L0812-31)				**Matrix: Water**		**Batch: 9121174**		
Benzene	ND	---	0.200	ug/L	1	12/20/19 16:25	EPA 8260C	
Toluene	ND	---	1.00	ug/L	1	12/20/19 16:25	EPA 8260C	
Ethylbenzene	ND	---	0.500	ug/L	1	12/20/19 16:25	EPA 8260C	
Xylenes, total	ND	---	1.50	ug/L	1	12/20/19 16:25	EPA 8260C	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:* *80-120 %*	*1*	*12/20/19 16:25*	*EPA 8260C*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 16:25*	*EPA 8260C*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*12/20/19 16:25*	*EPA 8260C*	

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121190 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (9121190-BLK1)		Prepared: 12/20/19 11:46		Analyzed: 12/20/19 20:48								
NWTPH-Dx												
Diesel	ND	---	72.7	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	145	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*		*Dilution: 1x*						
LCS (9121190-BS1)		Prepared: 12/20/19 11:46		Analyzed: 12/20/19 21:08								
NWTPH-Dx												
Diesel	409	---	80.0	ug/L	1	500	---	82	58 - 115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 95 %*		*Limits: 50-150 %*		*Dilution: 1x*						
LCS Dup (9121190-BSD1)		Prepared: 12/20/19 11:46		Analyzed: 12/20/19 21:28								**Q-19**
NWTPH-Dx												
Diesel	392	---	80.0	ug/L	1	500	---	78	58 - 115%	4	20%	
Surr: o-Terphenyl (Surr)		*Recovery: 91 %*		*Limits: 50-150 %*		*Dilution: 1x*						
Batch 9121291 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (9121291-BLK1)		Prepared: 12/24/19 11:44		Analyzed: 12/24/19 19:56								
NWTPH-Dx												
Diesel	ND	---	72.7	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	145	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 94 %*		*Limits: 50-150 %*		*Dilution: 1x*						
LCS (9121291-BS1)		Prepared: 12/24/19 11:44		Analyzed: 12/24/19 20:19								
NWTPH-Dx												
Diesel	415	---	80.0	ug/L	1	500	---	83	58 - 115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 102 %*		*Limits: 50-150 %*		*Dilution: 1x*						
LCS Dup (9121291-BSD1)		Prepared: 12/24/19 11:44		Analyzed: 12/24/19 20:41								**Q-19**
NWTPH-Dx												
Diesel	406	---	80.0	ug/L	1	500	---	81	58 - 115%	2	20%	
Surr: o-Terphenyl (Surr)		*Recovery: 97 %*		*Limits: 50-150 %*		*Dilution: 1x*						

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Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121331 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (9121331-BLK1)		Prepared: 12/26/19 12:52		Analyzed: 12/26/19 21:18								
NWTPH-Dx												
Diesel	ND	---	72.7	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	145	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 94 %*		*Limits: 50-150 %*			*Dilution: 1x*					
LCS (9121331-BS1)		Prepared: 12/26/19 12:52		Analyzed: 12/26/19 21:40								
NWTPH-Dx												
Diesel	403	---	80.0	ug/L	1	500	---	81	58 - 115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 98 %*		*Limits: 50-150 %*			*Dilution: 1x*					
LCS Dup (9121331-BSD1)		Prepared: 12/26/19 12:52		Analyzed: 12/26/19 22:03								**Q-19**
NWTPH-Dx												
Diesel	402	---	80.0	ug/L	1	500	---	80	58 - 115%	0.4	20%	
Surr: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121169 - EPA 5030B									Water			
Blank (9121169-BLK1)		Prepared: 12/20/19 09:00		Analyzed: 12/20/19 11:46								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 95 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*110 %*		*50-150 %*			*"*					
LCS (9121169-BS1)		Prepared: 12/20/19 09:00		Analyzed: 12/20/19 10:07								
NWTPH-Gx (MS)												
Gasoline Range Organics	406	---	100	ug/L	1	500	---	81	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*106 %*		*50-150 %*			*"*					
Duplicate (9121169-DUP1)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 17:37								
QC Source Sample: MW08-W (A9L0812-04)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**860**	---	100	ug/L	1	---	891	---	---	3	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*106 %*		*50-150 %*			*"*					
Duplicate (9121169-DUP2)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 18:31								
QC Source Sample: MW13R-W (A9L0812-08)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**258**	---	100	ug/L	1	---	292	---	---	12	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*105 %*		*50-150 %*			*"*					

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121174 - EPA 5030B									Water			
Blank (9121174-BLK1)		Prepared: 12/20/19 08:13		Analyzed: 12/20/19 12:06								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 110 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*109 %*		*50-150 %*			*"*					
LCS (9121174-BS2)		Prepared: 12/20/19 08:13		Analyzed: 12/20/19 11:38								
NWTPH-Gx (MS)												
Gasoline Range Organics	458	---	100	ug/L	1	500	---	92	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*98 %*		*50-150 %*			*"*					
Duplicate (9121174-DUP2)		Prepared: 12/20/19 12:13		Analyzed: 12/20/19 20:07								
QC Source Sample: BH01R-W (A9L0812-24)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**1020**	---	100	ug/L	1	---	918	---	---	10	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 115 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*105 %*		*50-150 %*			*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121227 - EPA 5030B									Water			
Blank (9121227-BLK1)		Prepared: 12/23/19 10:00		Analyzed: 12/23/19 11:34								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*110 %*		*50-150 %*			*"*					
LCS (9121227-BS2)		Prepared: 12/23/19 10:00		Analyzed: 12/23/19 11:07								
NWTPH-Gx (MS)												
Gasoline Range Organics	418	---	100	ug/L	1	500	---	84	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*103 %*		*50-150 %*			*"*					

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121169 - EPA 5030B												**Water**
Blank (9121169-BLK1)		Prepared: 12/20/19 09:00		Analyzed: 12/20/19 11:46								
EPA 8260C												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 114 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*100 %*		*80-120 %*			*"*					
LCS (9121169-BS2)		Prepared: 12/20/19 09:00		Analyzed: 12/20/19 10:52								
EPA 8260C												
Benzene	19.6	---	0.200	ug/L	1	20.0	---	98	80 - 120%	---	---	
Toluene	17.4	---	1.00	ug/L	1	20.0	---	87	80 - 120%	---	---	
Ethylbenzene	17.5	---	0.500	ug/L	1	20.0	---	87	80 - 120%	---	---	
Xylenes, total	50.7	---	1.50	ug/L	1	60.0	---	85	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 109 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*97 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*95 %*		*80-120 %*			*"*					
Duplicate (9121169-DUP1)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 17:37								
QC Source Sample: MW08-W (A9L0812-04)												
EPA 8260C												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 113 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*98 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*98 %*		*80-120 %*			*"*					
Duplicate (9121169-DUP2)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 18:31								
QC Source Sample: MW13R-W (A9L0812-08)												
EPA 8260C												

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121169 - EPA 5030B							**Water**					
Duplicate (9121169-DUP2)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 18:31								
QC Source Sample: MW13R-W (A9L0812-08)												
Benzene	**43.2**	---	0.200	ug/L	1	---	47.3	---	---	9	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**1.95**	---	0.500	ug/L	1	---	2.16	---	---	10	30%	
Xylenes, total	**4.45**	---	1.50	ug/L	1	---	5.00	---	---	12	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*112 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*			*"*				
Matrix Spike (9121169-MS1)		Prepared: 12/20/19 11:23		Analyzed: 12/20/19 21:40								
QC Source Sample: MW27-W (A9L0812-18)												
EPA 8260C												
Benzene	21.3	---	0.200	ug/L	1	20.0	ND	107	79 - 120%	---	---	
Toluene	18.9	---	1.00	ug/L	1	20.0	ND	94	80 - 121%	---	---	
Ethylbenzene	18.7	---	0.500	ug/L	1	20.0	ND	94	79 - 121%	---	---	
Xylenes, total	54.4	---	1.50	ug/L	1	60.0	ND	91	79 - 121%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*110 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*			*"*				

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121174 - EPA 5030B												**Water**
Blank (9121174-BLK1)			Prepared: 12/20/19 08:13		Analyzed: 12/20/19 12:06							
EPA 8260C												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*			*"*				
LCS (9121174-BS1)			Prepared: 12/20/19 08:13		Analyzed: 12/20/19 11:10							
EPA 8260C												
Benzene	20.0	---	0.200	ug/L	1	20.0	---	100	80 - 120%	---	---	
Toluene	19.3	---	1.00	ug/L	1	20.0	---	96	80 - 120%	---	---	
Ethylbenzene	20.5	---	0.500	ug/L	1	20.0	---	102	80 - 120%	---	---	
Xylenes, total	65.5	---	1.50	ug/L	1	60.0	---	109	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*101 %*		*80-120 %*			*"*				
Duplicate (9121174-DUP2)			Prepared: 12/20/19 12:13		Analyzed: 12/20/19 20:07							
QC Source Sample: BH01R-W (A9L0812-24)												
EPA 8260C												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*			*"*				
Matrix Spike (9121174-MS1)			Prepared: 12/20/19 12:13		Analyzed: 12/20/19 23:17							**T-02**
QC Source Sample: MW303-W (A9L0812-30)												
EPA 8260C												

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121174 - EPA 5030B							**Water**					
Matrix Spike (9121174-MS1)		Prepared: 12/20/19 12:13		Analyzed: 12/20/19 23:17								**T-02**
QC Source Sample: MW303-W (A9L0812-30)												
Benzene	211	---	2.00	ug/L	10	200	ND	105	79 - 120%	---	---	
Toluene	198	---	10.0	ug/L	10	200	ND	99	80 - 121%	---	---	
Ethylbenzene	211	---	5.00	ug/L	10	200	ND	105	79 - 121%	---	---	
Xylenes, total	682	---	15.0	ug/L	10	600	ND	114	79 - 121%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*101 %*		*80-120 %*			*"*				

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121227 - EPA 5030B							**Water**					
Blank (9121227-BLK1)		Prepared: 12/23/19 10:00		Analyzed: 12/23/19 11:34								
EPA 8260C												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 116 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*100 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*98 %*		*80-120 %*			*"*					
LCS (9121227-BS1)		Prepared: 12/23/19 10:00		Analyzed: 12/23/19 10:40								
EPA 8260C												
Benzene	21.0	---	0.200	ug/L	1	20.0	---	105	80 - 120%	---	---	
Toluene	18.6	---	1.00	ug/L	1	20.0	---	93	80 - 120%	---	---	
Ethylbenzene	18.3	---	0.500	ug/L	1	20.0	---	92	80 - 120%	---	---	
Xylenes, total	53.6	---	1.50	ug/L	1	60.0	---	89	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 110 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*95 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*95 %*		*80-120 %*			*"*					

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9121190							
A9L0812-03	Water	NWTPH-Dx	12/18/19 08:35	12/20/19 15:58	1040mL/2mL	1000mL/2mL	0.96
A9L0812-04	Water	NWTPH-Dx	12/18/19 10:15	12/20/19 15:58	1030mL/2mL	1000mL/2mL	0.97
A9L0812-05RE2	Water	NWTPH-Dx	12/16/19 12:15	12/20/19 15:58	1060mL/2mL	1000mL/2mL	0.94
A9L0812-06	Water	NWTPH-Dx	12/18/19 09:30	12/20/19 15:58	1050mL/2mL	1000mL/2mL	0.95
A9L0812-07	Water	NWTPH-Dx	12/17/19 11:05	12/20/19 15:58	1050mL/2mL	1000mL/2mL	0.95
A9L0812-08	Water	NWTPH-Dx	12/17/19 14:00	12/20/19 15:58	1040mL/2mL	1000mL/2mL	0.96
A9L0812-09	Water	NWTPH-Dx	12/17/19 14:50	12/20/19 15:58	1040mL/2mL	1000mL/2mL	0.96
A9L0812-10	Water	NWTPH-Dx	12/17/19 12:55	12/20/19 15:58	1050mL/2mL	1000mL/2mL	0.95
A9L0812-11RE1	Water	NWTPH-Dx	12/16/19 10:15	12/20/19 15:58	1050mL/2mL	1000mL/2mL	0.95
A9L0812-12	Water	NWTPH-Dx	12/17/19 09:20	12/20/19 15:58	1060mL/2mL	1000mL/2mL	0.94
A9L0812-13	Water	NWTPH-Dx	12/17/19 13:55	12/20/19 15:58	1070mL/2mL	1000mL/2mL	0.94
Batch: 9121291							
A9L0812-01	Water	NWTPH-Dx	12/17/19 10:05	12/24/19 11:44	1040mL/2mL	1000mL/2mL	0.96
A9L0812-02	Water	NWTPH-Dx	12/17/19 12:10	12/24/19 11:44	1030mL/2mL	1000mL/2mL	0.97
A9L0812-14	Water	NWTPH-Dx	12/17/19 12:45	12/24/19 11:44	1070mL/2mL	1000mL/2mL	0.94
A9L0812-15	Water	NWTPH-Dx	12/17/19 15:50	12/24/19 11:44	1050mL/2mL	1000mL/2mL	0.95
A9L0812-16	Water	NWTPH-Dx	12/17/19 15:45	12/24/19 11:44	1070mL/2mL	1000mL/2mL	0.94
A9L0812-17	Water	NWTPH-Dx	12/17/19 16:25	12/24/19 11:44	1070mL/2mL	1000mL/2mL	0.94
A9L0812-18	Water	NWTPH-Dx	12/18/19 09:50	12/24/19 11:44	1070mL/2mL	1000mL/2mL	0.94
A9L0812-19	Water	NWTPH-Dx	12/17/19 11:05	12/24/19 11:44	1060mL/2mL	1000mL/2mL	0.94
A9L0812-20RE1	Water	NWTPH-Dx	12/16/19 14:45	12/24/19 11:46	1020mL/2mL	1000mL/2mL	0.98
Batch: 9121331							
A9L0812-21	Water	NWTPH-Dx	12/16/19 14:00	12/26/19 12:52	1040mL/2mL	1000mL/2mL	0.96
A9L0812-22	Water	NWTPH-Dx	12/16/19 13:20	12/26/19 12:52	1060mL/2mL	1000mL/2mL	0.94
A9L0812-23	Water	NWTPH-Dx	12/16/19 09:30	12/26/19 12:52	1030mL/2mL	1000mL/2mL	0.97
A9L0812-24RE1	Water	NWTPH-Dx	12/16/19 15:50	12/26/19 12:52	1000mL/2mL	1000mL/2mL	1.00
A9L0812-25	Water	NWTPH-Dx	12/17/19 10:30	12/26/19 12:52	1060mL/2mL	1000mL/2mL	0.94
A9L0812-26	Water	NWTPH-Dx	12/18/19 09:00	12/26/19 12:52	1070mL/2mL	1000mL/2mL	0.94
A9L0812-27	Water	NWTPH-Dx	12/18/19 10:30	12/26/19 12:52	1070mL/2mL	1000mL/2mL	0.94
A9L0812-28RE1	Water	NWTPH-Dx	12/16/19 10:20	12/26/19 12:52	1000mL/2mL	1000mL/2mL	1.00
A9L0812-29	Water	NWTPH-Dx	12/17/19 14:20	12/26/19 12:52	1030mL/2mL	1000mL/2mL	0.97
A9L0812-30	Water	NWTPH-Dx	12/17/19 14:10	12/26/19 16:57	1070mL/2mL	1000mL/2mL	0.94

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

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

SAMPLE PREPARATION INFORMATION

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

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9121169							
A9L0812-01	Water	NWTPH-Gx (MS)	12/17/19 10:05	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-02	Water	NWTPH-Gx (MS)	12/17/19 12:10	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-03	Water	NWTPH-Gx (MS)	12/18/19 08:35	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-04	Water	NWTPH-Gx (MS)	12/18/19 10:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-05	Water	NWTPH-Gx (MS)	12/16/19 12:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-06	Water	NWTPH-Gx (MS)	12/18/19 09:30	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-07	Water	NWTPH-Gx (MS)	12/17/19 11:05	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-08	Water	NWTPH-Gx (MS)	12/17/19 14:00	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-09	Water	NWTPH-Gx (MS)	12/17/19 14:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-10	Water	NWTPH-Gx (MS)	12/17/19 12:55	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-11	Water	NWTPH-Gx (MS)	12/16/19 10:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-12	Water	NWTPH-Gx (MS)	12/17/19 09:20	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-13	Water	NWTPH-Gx (MS)	12/17/19 13:55	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-14	Water	NWTPH-Gx (MS)	12/17/19 12:45	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-15	Water	NWTPH-Gx (MS)	12/17/19 15:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-16	Water	NWTPH-Gx (MS)	12/17/19 15:45	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-18	Water	NWTPH-Gx (MS)	12/18/19 09:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
Batch: 9121174							
A9L0812-17	Water	NWTPH-Gx (MS)	12/17/19 16:25	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-19	Water	NWTPH-Gx (MS)	12/17/19 11:05	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-20	Water	NWTPH-Gx (MS)	12/16/19 14:45	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-21	Water	NWTPH-Gx (MS)	12/16/19 14:00	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-22	Water	NWTPH-Gx (MS)	12/16/19 13:20	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-23	Water	NWTPH-Gx (MS)	12/16/19 09:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-24	Water	NWTPH-Gx (MS)	12/16/19 15:50	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-25	Water	NWTPH-Gx (MS)	12/17/19 10:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-26	Water	NWTPH-Gx (MS)	12/18/19 09:00	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-27	Water	NWTPH-Gx (MS)	12/18/19 10:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
Batch: 9121227							
A9L0812-28RE1	Water	NWTPH-Gx (MS)	12/16/19 10:20	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00
A9L0812-29RE1	Water	NWTPH-Gx (MS)	12/17/19 14:20	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00
A9L0812-30RE1	Water	NWTPH-Gx (MS)	12/17/19 14:10	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00

BTEX Compounds by EPA 8260C

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314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

SAMPLE PREPARATION INFORMATION

BTEX Compounds by EPA 8260C

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9121169							
A9L0812-01	Water	EPA 8260C	12/17/19 10:05	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-02	Water	EPA 8260C	12/17/19 12:10	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-03	Water	EPA 8260C	12/18/19 08:35	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-04	Water	EPA 8260C	12/18/19 10:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-05	Water	EPA 8260C	12/16/19 12:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-06	Water	EPA 8260C	12/18/19 09:30	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-07	Water	EPA 8260C	12/17/19 11:05	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-08	Water	EPA 8260C	12/17/19 14:00	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-09	Water	EPA 8260C	12/17/19 14:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-10	Water	EPA 8260C	12/17/19 12:55	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-11	Water	EPA 8260C	12/16/19 10:15	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-12	Water	EPA 8260C	12/17/19 09:20	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-13	Water	EPA 8260C	12/17/19 13:55	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-14	Water	EPA 8260C	12/17/19 12:45	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-15	Water	EPA 8260C	12/17/19 15:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-16	Water	EPA 8260C	12/17/19 15:45	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
A9L0812-18	Water	EPA 8260C	12/18/19 09:50	12/20/19 11:23	5mL/5mL	5mL/5mL	1.00
Batch: 9121174							
A9L0812-17	Water	EPA 8260C	12/17/19 16:25	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-19	Water	EPA 8260C	12/17/19 11:05	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-20	Water	EPA 8260C	12/16/19 14:45	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-21	Water	EPA 8260C	12/16/19 14:00	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-22	Water	EPA 8260C	12/16/19 13:20	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-23	Water	EPA 8260C	12/16/19 09:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-24	Water	EPA 8260C	12/16/19 15:50	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-25	Water	EPA 8260C	12/17/19 10:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-26	Water	EPA 8260C	12/18/19 09:00	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-27	Water	EPA 8260C	12/18/19 10:30	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
A9L0812-31	Water	EPA 8260C	12/16/19 00:00	12/20/19 12:13	5mL/5mL	5mL/5mL	1.00
Batch: 9121227							
A9L0812-28RE1	Water	EPA 8260C	12/16/19 10:20	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00
A9L0812-29RE1	Water	EPA 8260C	12/17/19 14:20	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00
A9L0812-30RE1	Water	EPA 8260C	12/17/19 14:10	12/23/19 11:47	5mL/5mL	5mL/5mL	1.00

Apex Laboratories

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Lisa Domenighini, Client Services Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation
F-20	Result for Diesel is Estimated due to overlap from Gasoline Range Organics or other VOCs.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
T-02	This Batch QC sample was analyzed outside of the method specified 12 hour tune window. Results are estimated.

Apex Laboratories

Lisa A Domenighini

Lisa Domenighini, Client Services Manager

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

Lisa Domenighini, Client Services Manager

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HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Lisa A Domenighini

Lisa Domenighini, Client Services Manager

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
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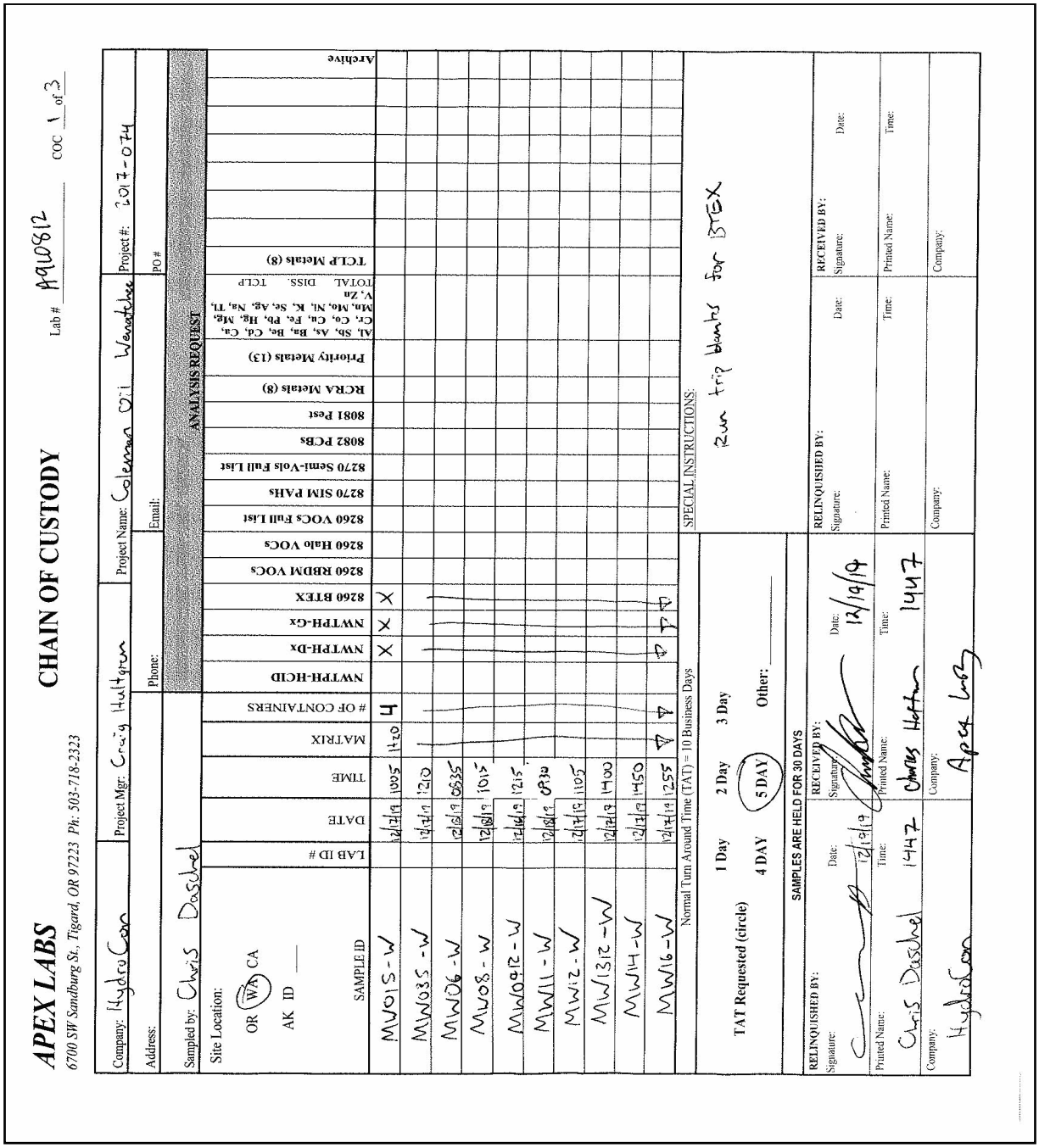
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0812 COC 1 of 3

Company: HydroCon — Project Mgr: Craig Hultgren — Project Name: Coleman Wenatchee — Project #: 2017-074
Address: — Phone: — Email: — PO #
Sampled by: Chris Doschel
Site Location: OR (WA) CA AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MW01S-W		12/12/19	1005	H2O	4		X	X	X											
MW035-W		12/12/19	1210																	
MW06-W		12/09/19	0835																	
MW08-W		12/09/19	1015																	
MW0912-W		12/12/19	1215																	
MW11-W		12/09/19	0930																	
MW12-W		12/12/19	1105																	
MW1312-W		12/12/19	1400																	
MW14-W		12/12/19	1450																	
MW16-W		12/11/19	1255	▼	▼	▼	▼	▼	▼											

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SPECIAL INSTRUCTIONS:
2 un trip blanks for BTEX

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date:	Date: 12/19/19	Date:	Date:
Printed Name:	Printed Name: Chris Hultgren	Printed Name:	Printed Name:
Time:	Time: 1447	Time:	Time:
Company:	Company: Apex Labs	Company:	Company:

Apex Laboratories

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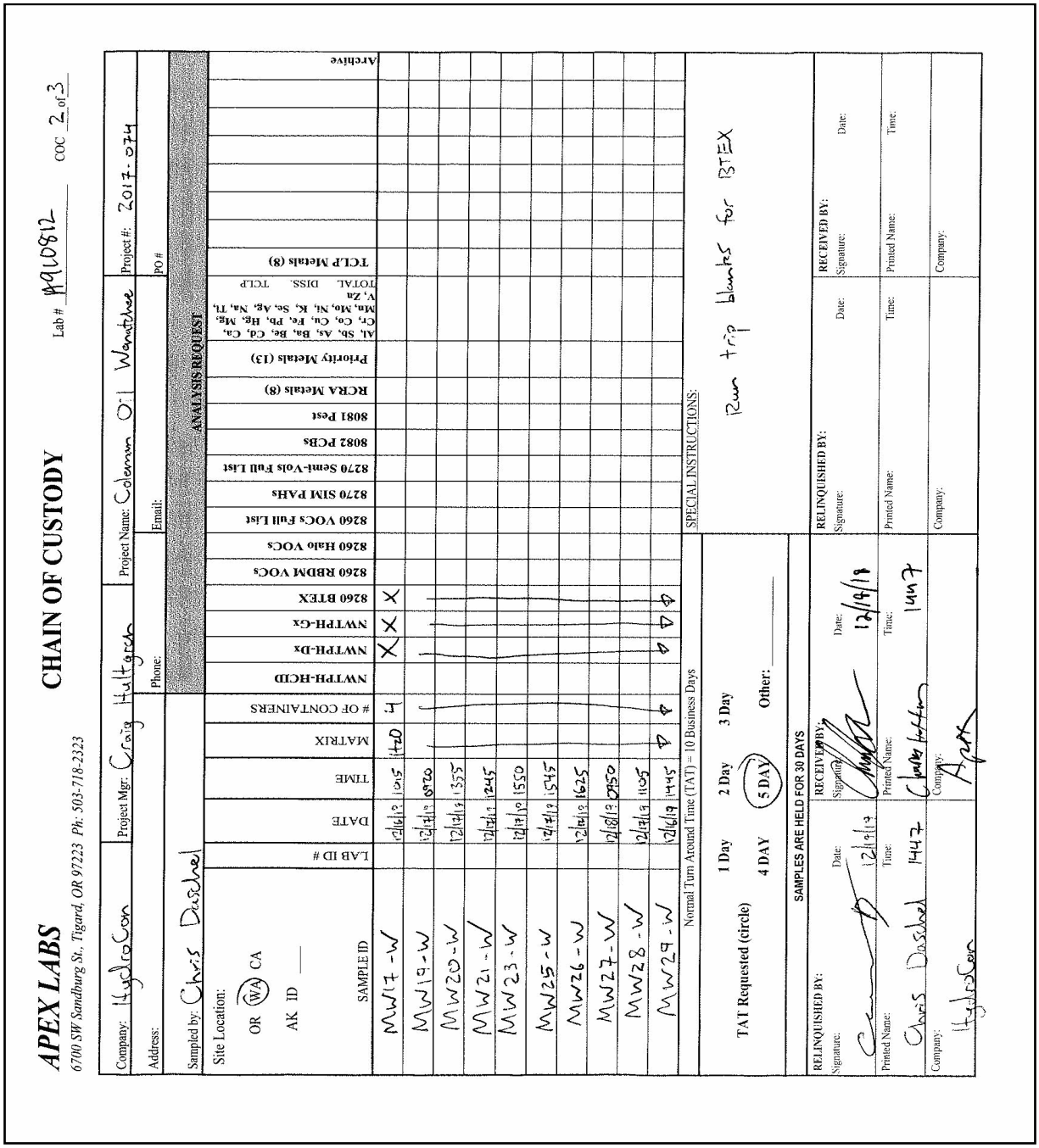
Lisa Domenighini

Lisa Domenighini, Client Services Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	A9L0812 - 12 30 19 0951



APEX LABS — 6700 SW Sandburg St., Tigard, OR 97223 Ph. 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0812 COC 2 of 3

Company: HydroCon | Project Mgr: Craig Hultgren | Project Name: Coleman Oil Wenatchee | Project #: 2017-074
Address: | Phone: | Email: | PO #
Sampled by: Chris Dashnel

Site Location: OR (WA) CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MW17-W		12/6/19	1105	H2O	4		X	X	X												
MW19-W		12/4/19	0920																		
MW20-W		12/4/19	1355																		
MW21-W		12/4/19	1245																		
MW23-W		12/4/19	1550																		
MW25-W		12/4/19	1545																		
MW26-W		12/5/19	1625																		
MW27-W		12/6/19	0850																		
MW28-W		12/6/19	1105		4			4	4												
MW29-W		12/6/19	1345		4			4	4												

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS: Run trip blanks for BTEX

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY (5 DAY) Other: ____

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/6/19	Date: 12/4/19	Date:	Date:
Time: 1447	Time:	Time:	Time:
Printed Name: Chris Dashnel	Printed Name:	Printed Name:	Printed Name:
Company: HydroCon	Company: Apex	Company:	Company:

Apex Laboratories

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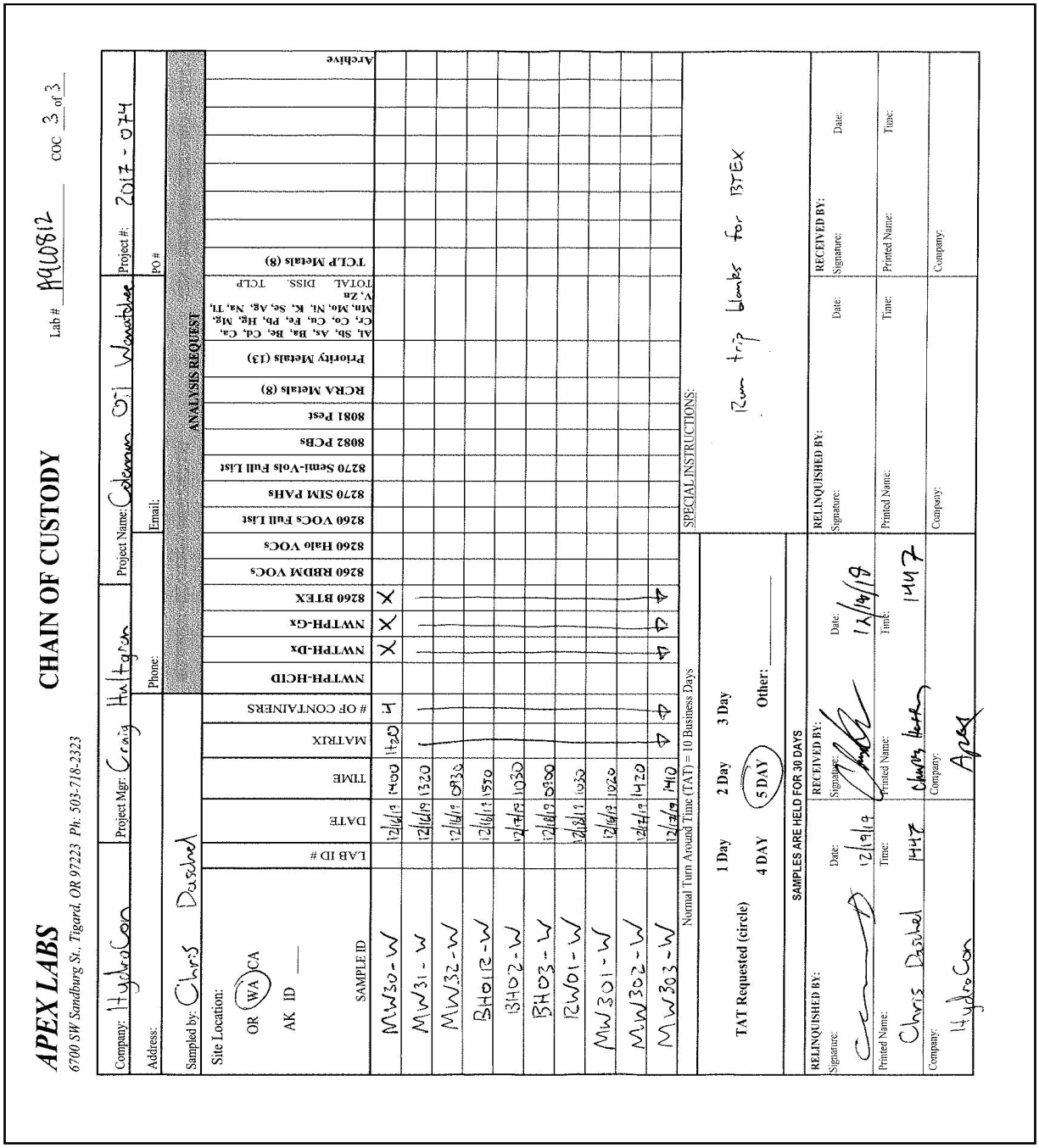
Lisa A Domenighini

Lisa Domenighini, Client Services Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**



APEX LABS — **CHAIN OF CUSTODY** — Lab # A9L0812 — COC 3 of 3

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Company: HydroCon | Project Mgr: Craig Hultgren | Project Name: Coleman Off Wenatchee | Project #: 2017-074
Address: | Phone: | Email: | PO #
Sampled by: Chris Bashel

Site Location: OR (WA) CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	TCLP Metals (8)	Archive
MW30-W		12/6/19	1400	H2O	4		X	X	X												
MW31-W		12/6/19	1320																		
MW32-W		12/6/19	0935																		
BH01R-W		12/6/19	1570																		
BH02-W		12/7/19	1030																		
BH03-W		12/6/19	0950																		
RW01-W		12/6/19	1030																		
MW301-W		12/6/19	1020																		
MW302-W		12/6/19	1420																		
MW303-W		12/6/19	1410		4		4	4	4												

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS: Run trip blanks for BTEX

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 4 DAY | 5 DAY | Other: ____

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/19/19	Date: 12/19/19	Date:	Date:
Time:	Time: 1447	Time:	Time:
Printed Name: Chris Bashel	Printed Name: Chris Bashel	Printed Name:	Printed Name:
Company: HydroCon	Company: Apex	Company:	Company:

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

HydroCon LLC	Project: **Coleman Wenatchee**	
314 W 15th Street Suite 300	Project Number: **2017-074**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Craig Hultgren**	**A9L0812 - 12 30 19 0951**

APEX LABS COOLER RECEIPT FORM

Client: HydroCon Element WO#: A9 L0812

Project/Project #: Coleman Oil Wenatchee 2017-074

Delivery Info:

Date/time received: 12/19/A@ 1447 By: CFH

Delivered by: Apex X Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 12/19/19@ 1614 By: CFH

Chain of Custody included? Yes X No Custody seals? Yes No X

Signed/dated by client? Yes X No

Signed/dated by Apex? Yes X No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.9	1.0	0.9	2.9			
Received on ice? (Y/N)	Y	Y	Y	Y			
Temp. blanks? (Y/N)	N	N	N	N			
Ice type: (Gel/Real/Other)	Real	Real	Real	Real			
Condition:	Good	Good	Good	Good			

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 12/19/19@ 7:15 By: MD

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes No X Comments: See Form

COC/container discrepancies form initiated? Yes X No NA

Containers/volumes received appropriate for analysis? Yes X No Comments:

Do VOA vials have visible headspace? Yes No X NA

Comments

Water samples: pH checked: Yes X No NA pH appropriate? Yes No X NA

Comments: MW09-W pH ~7

Additional information: TB# 2201

Labeled by: ADC 12/19/19 Witness: CFH Cooler Inspected by: MD See Project Contact Form: Y

Apex Laboratories

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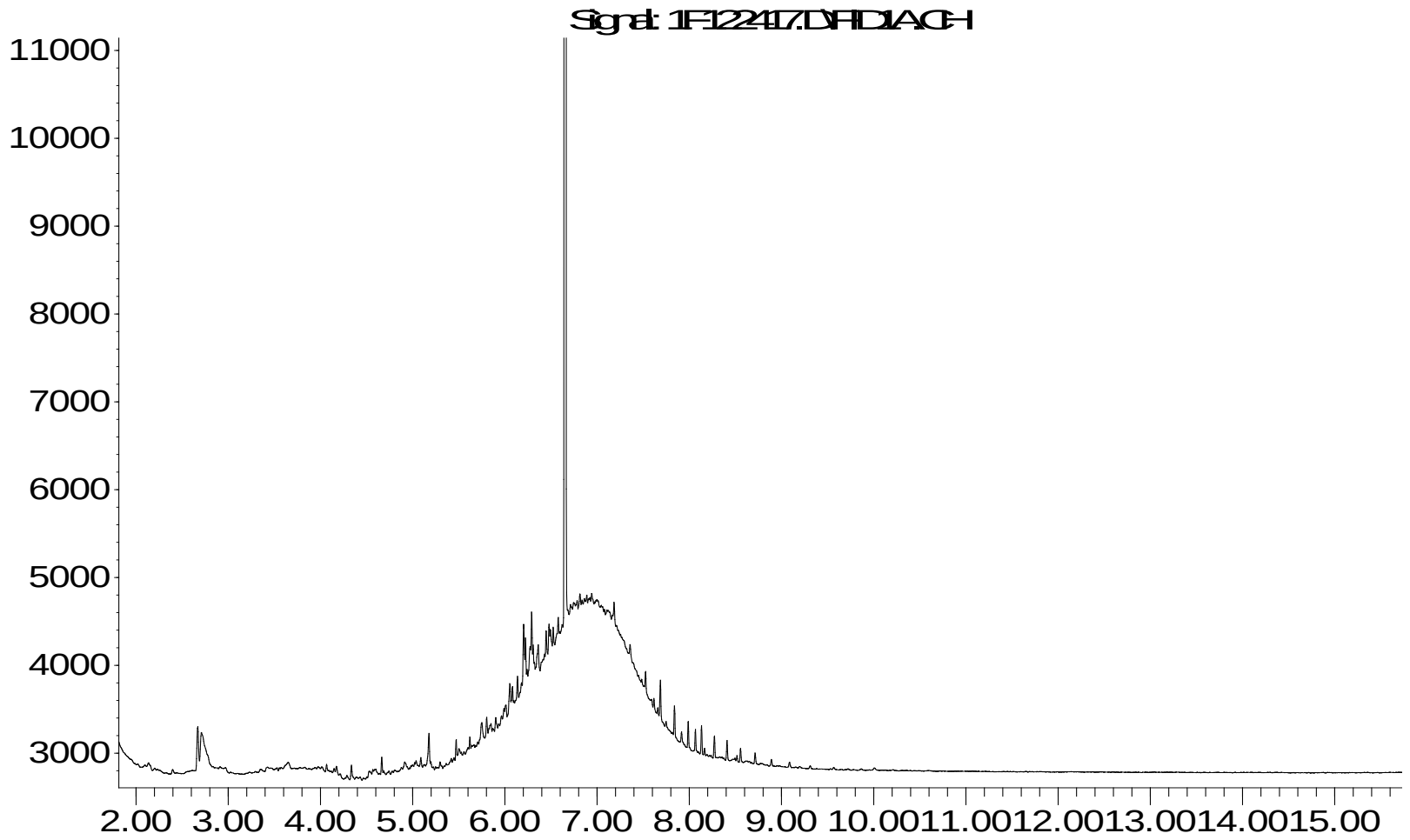
Lisa A Domenighini

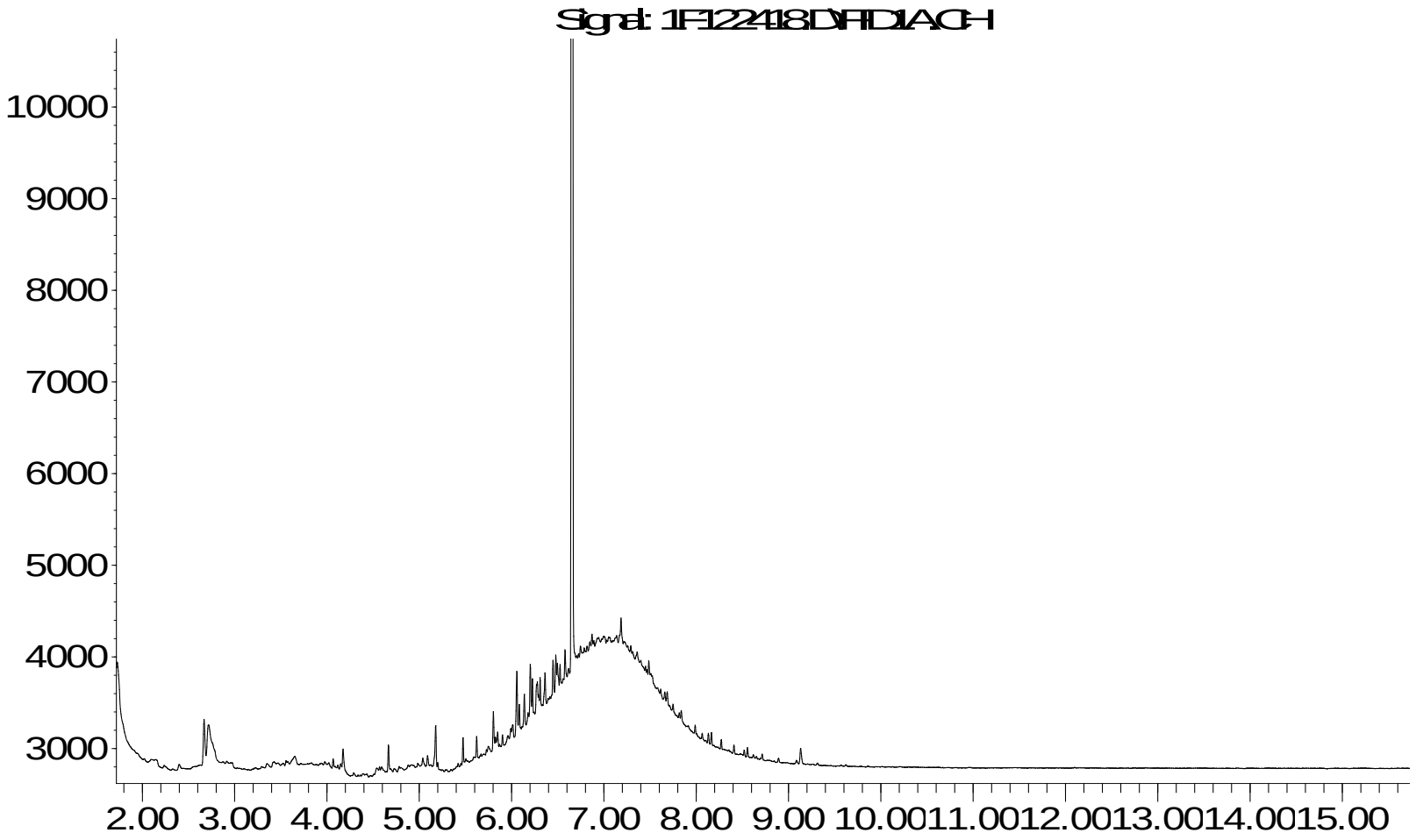
Lisa Domenighini, Client Services Manager

Water Sample: MW01S-W (A9L0812-01)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



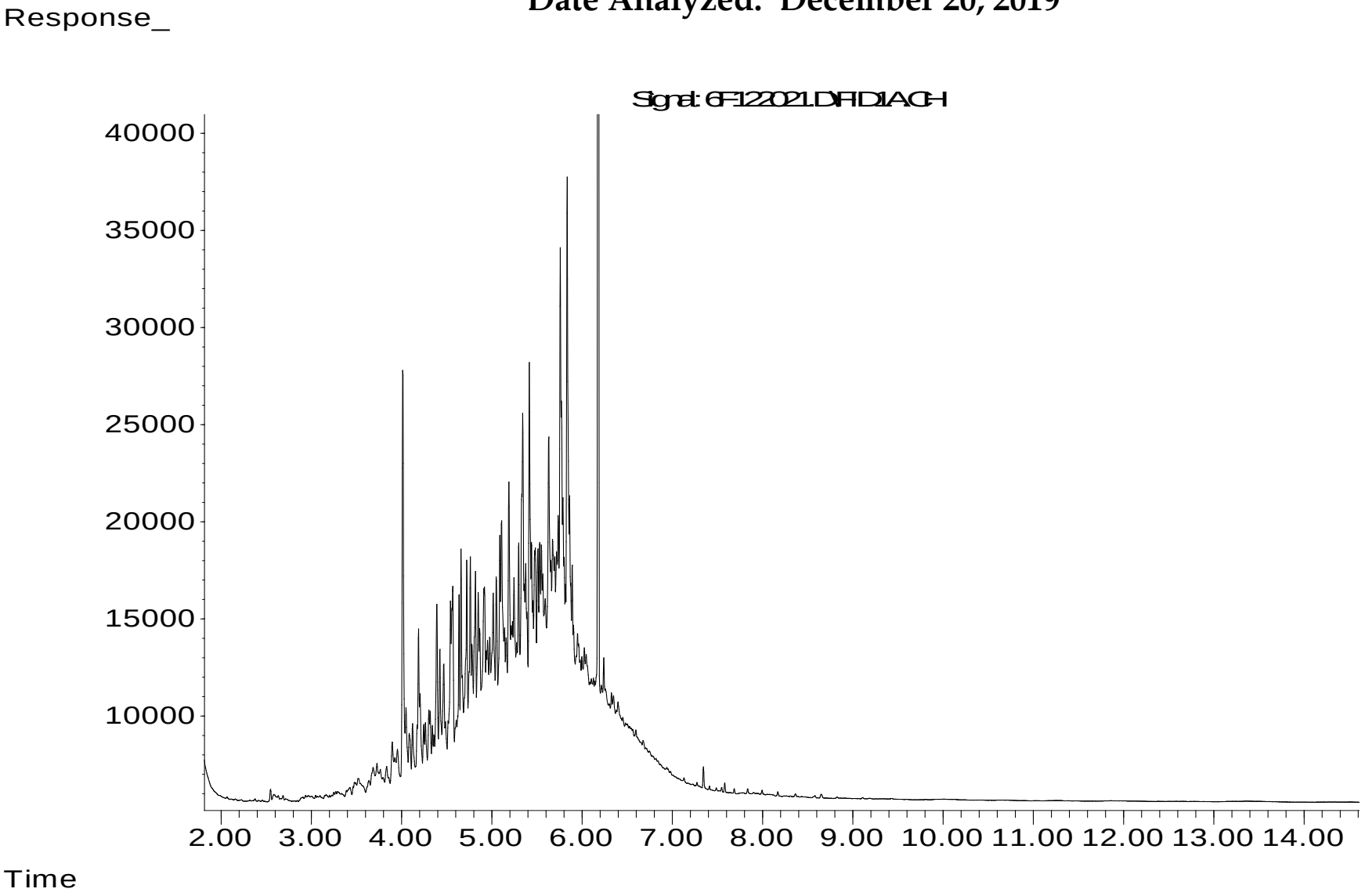
Apex Forensics

Water Sample: MW03S-W (A9L0812-02)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



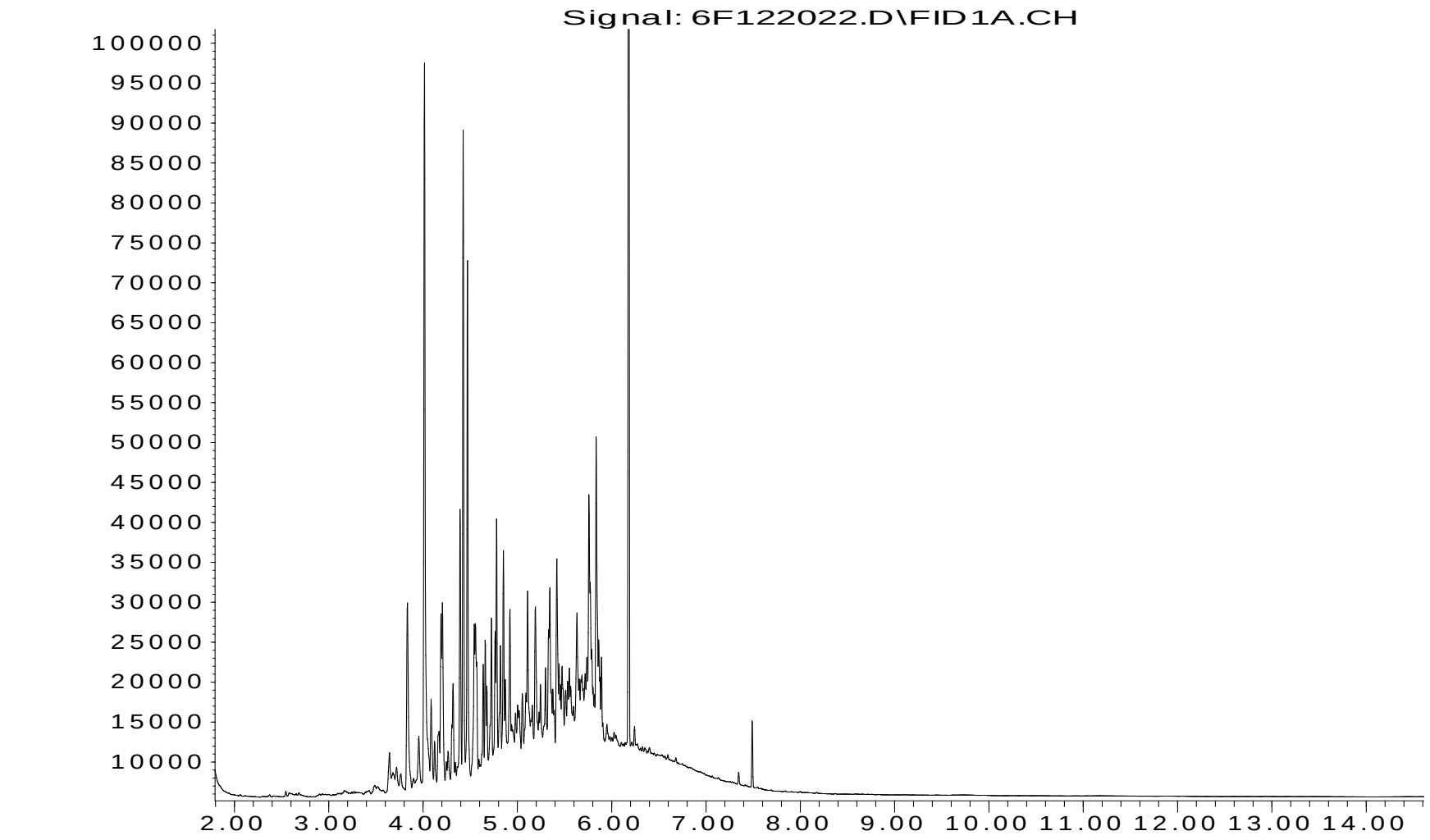
Apex Forensics

Water Sample: MW06-W (A9L0812-03)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



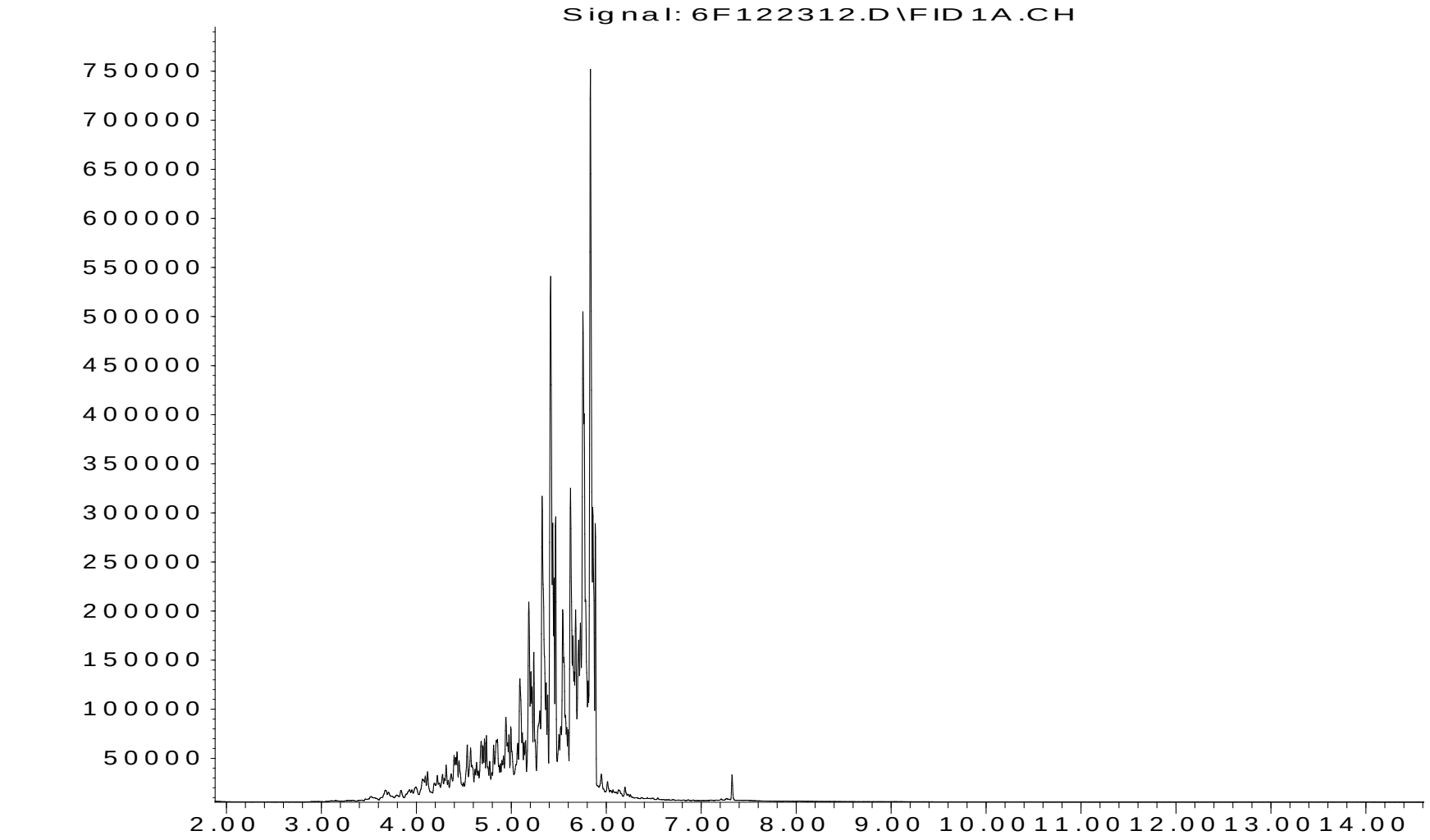
Apex Forensics

Water Sample: MW08-W (A9L0812-04)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



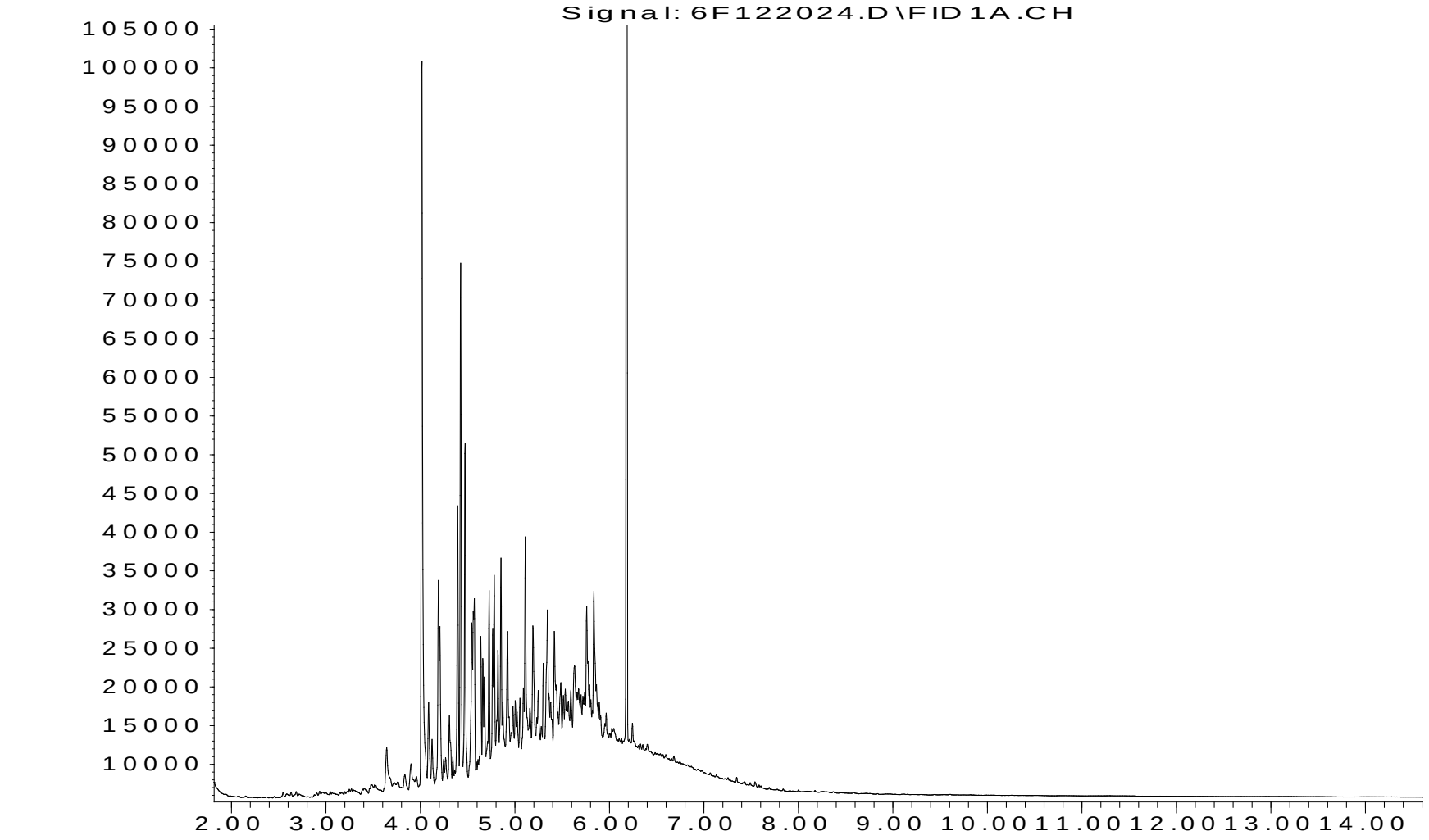
Apex Forensics

Water Sample: MW09R-W (A9L0812-05)@200
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 23, 2019



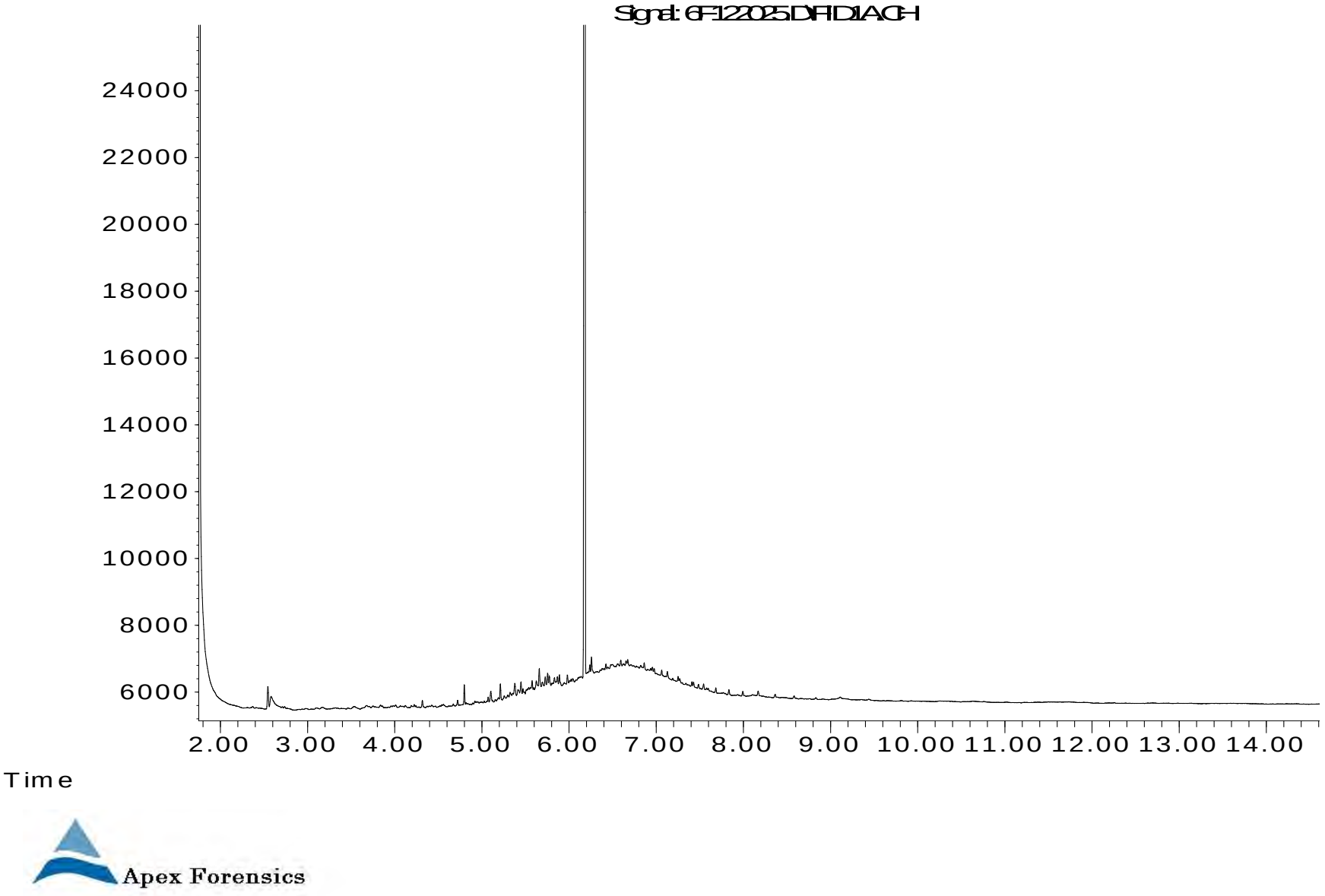
Apex Forensics

Water Sample: MW11-W (A9L0812-06)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



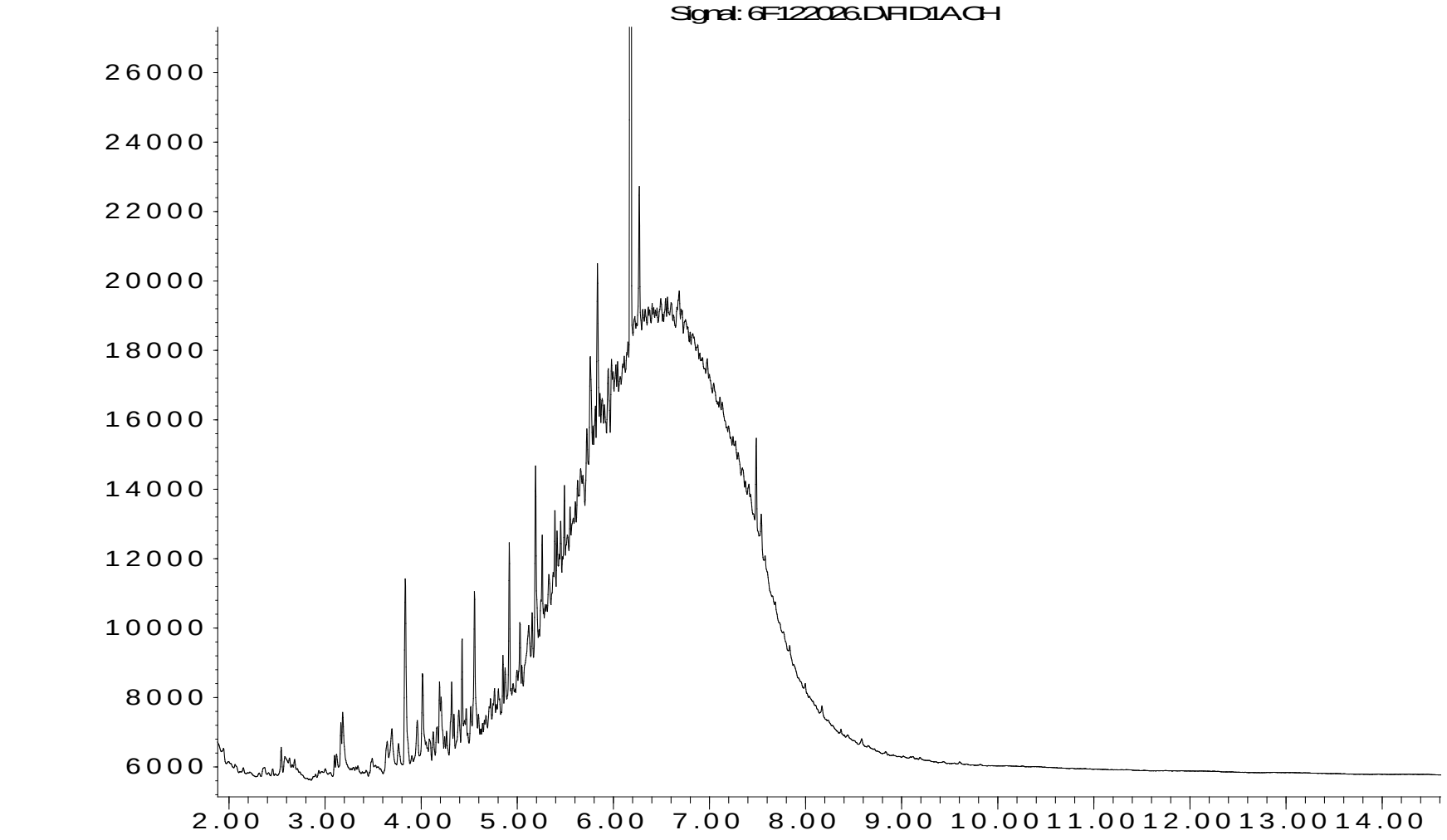
Apex Forensics

Water Sample: MW12-W (A9L0812-07)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



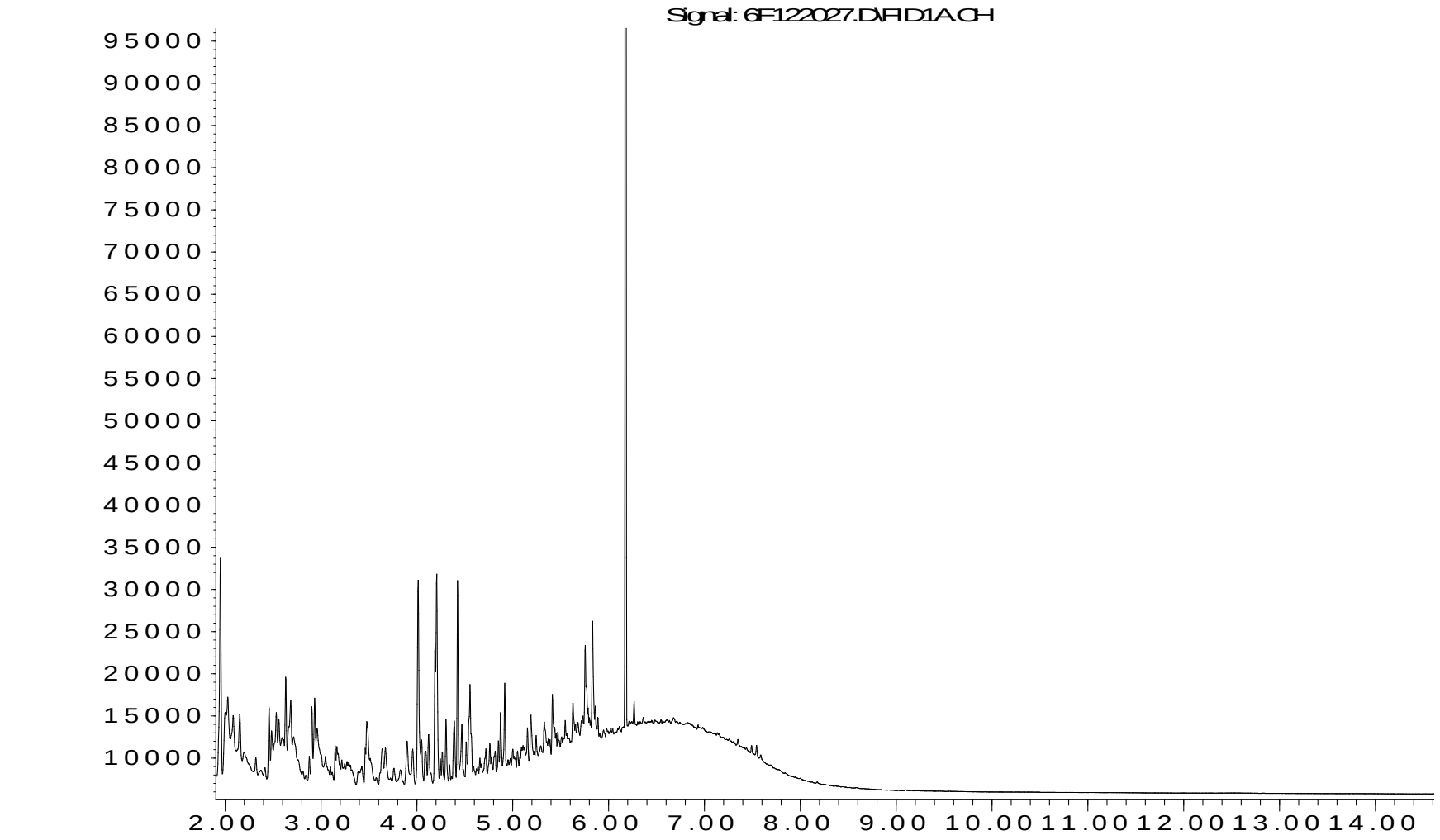
Apex Forensics

Water Sample: MW13R-W (A9L0812-08)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



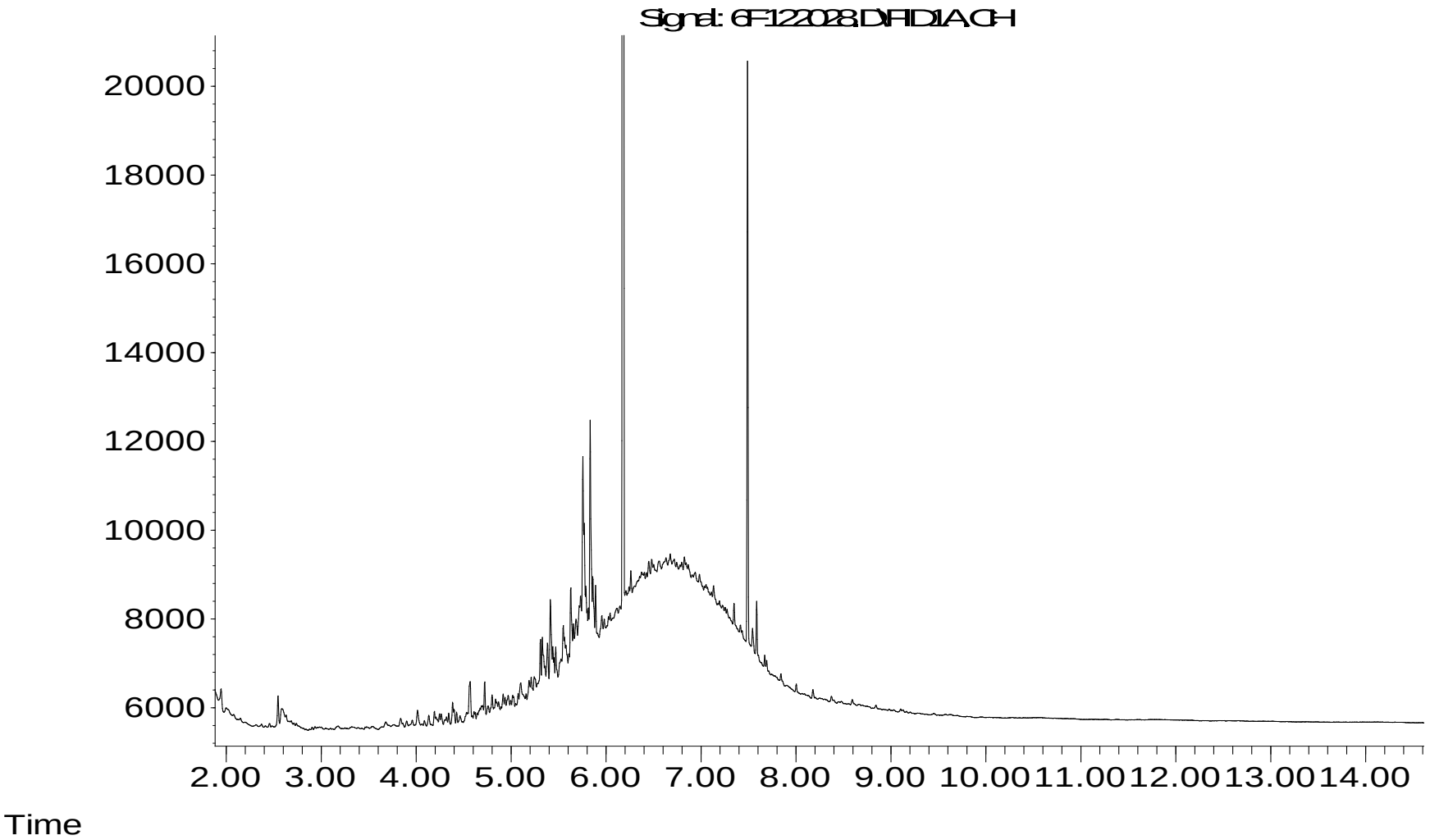
Apex Forensics

Water Sample: MW14-W (A9L0812-09)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



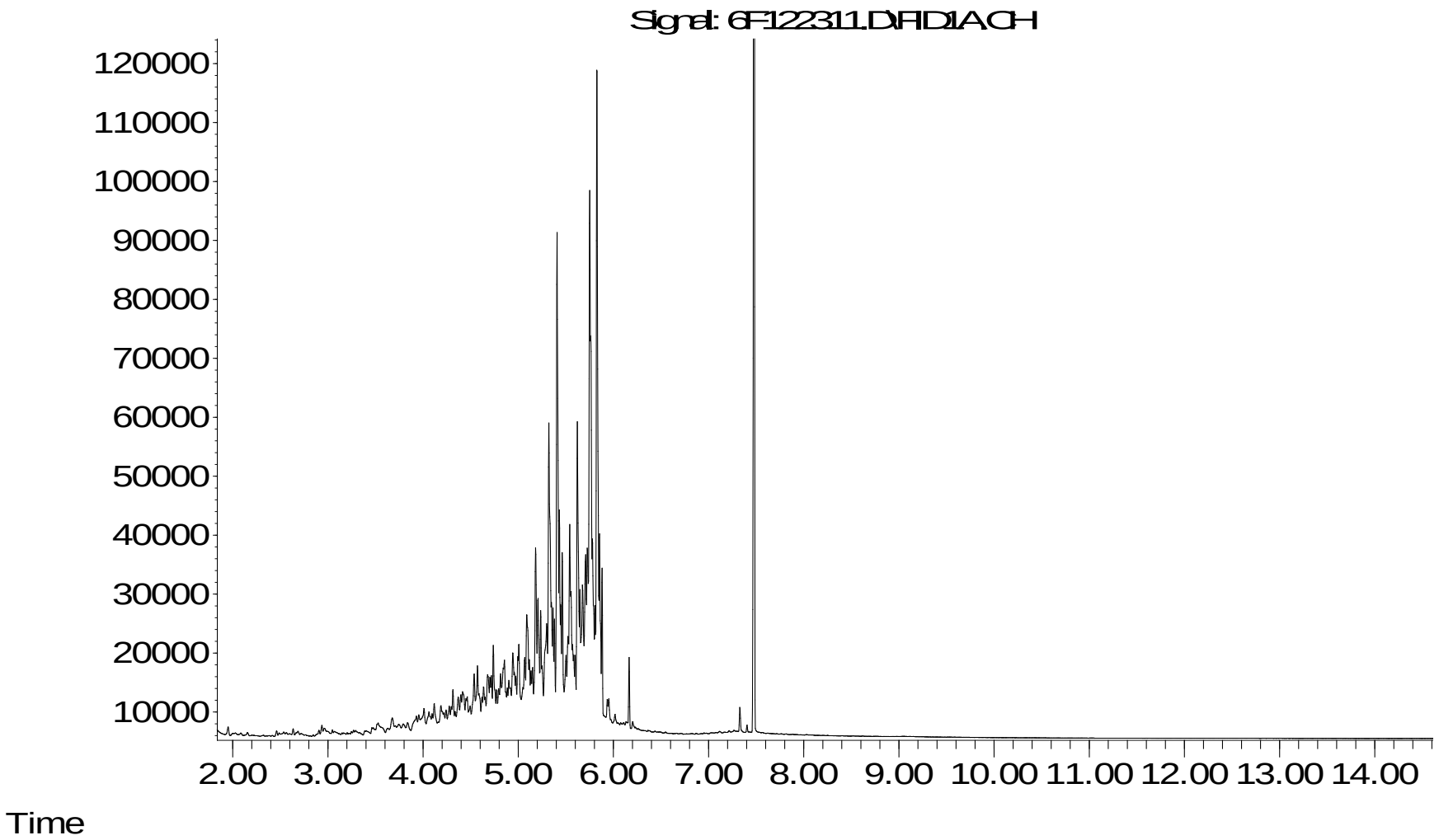
Apex Forensics

Water Sample: MW16-W (A9L0812-10)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



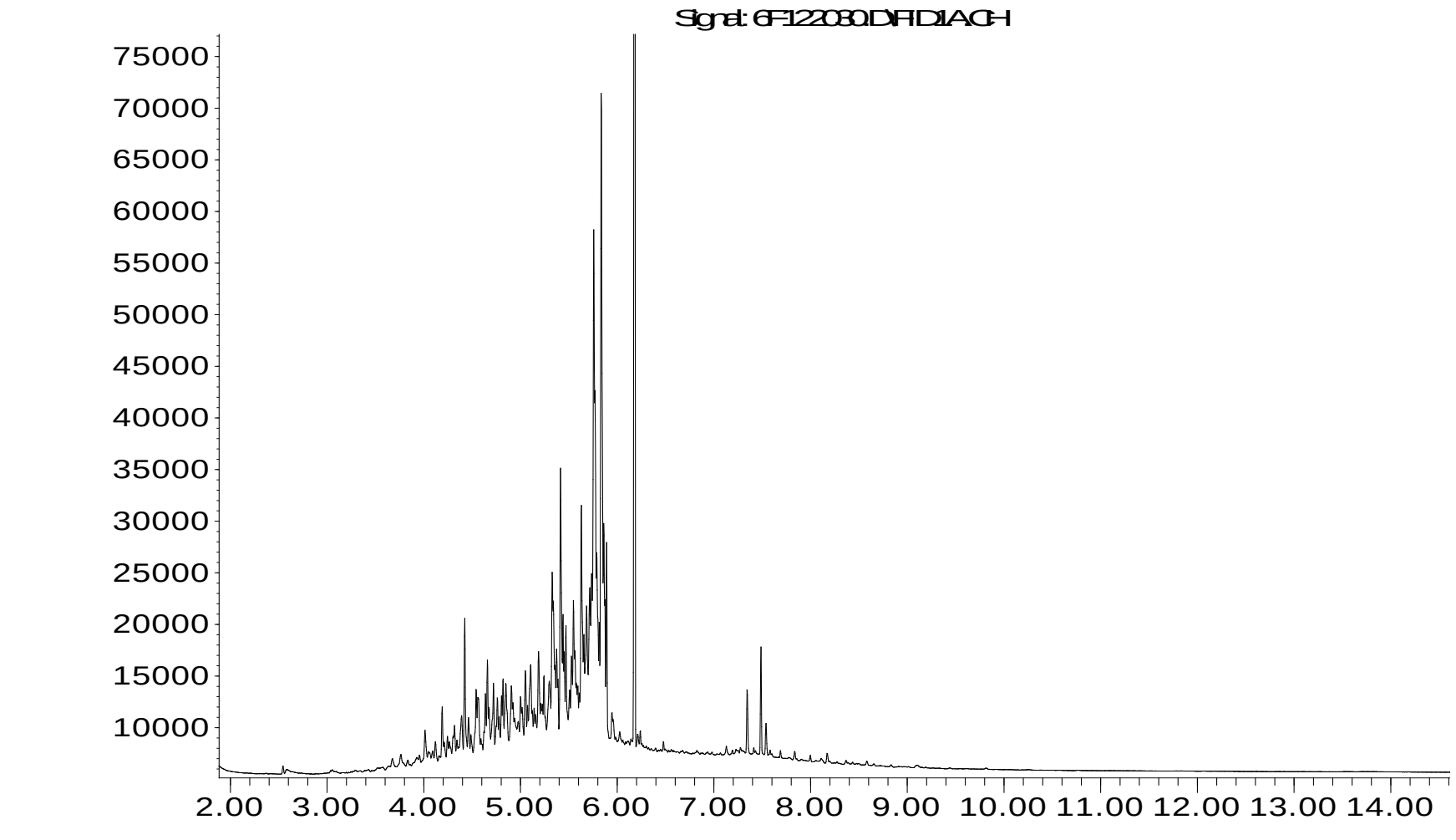
Apex Forensics

Water Sample: MW17-W (A9L0812-11)@20
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 23, 2019



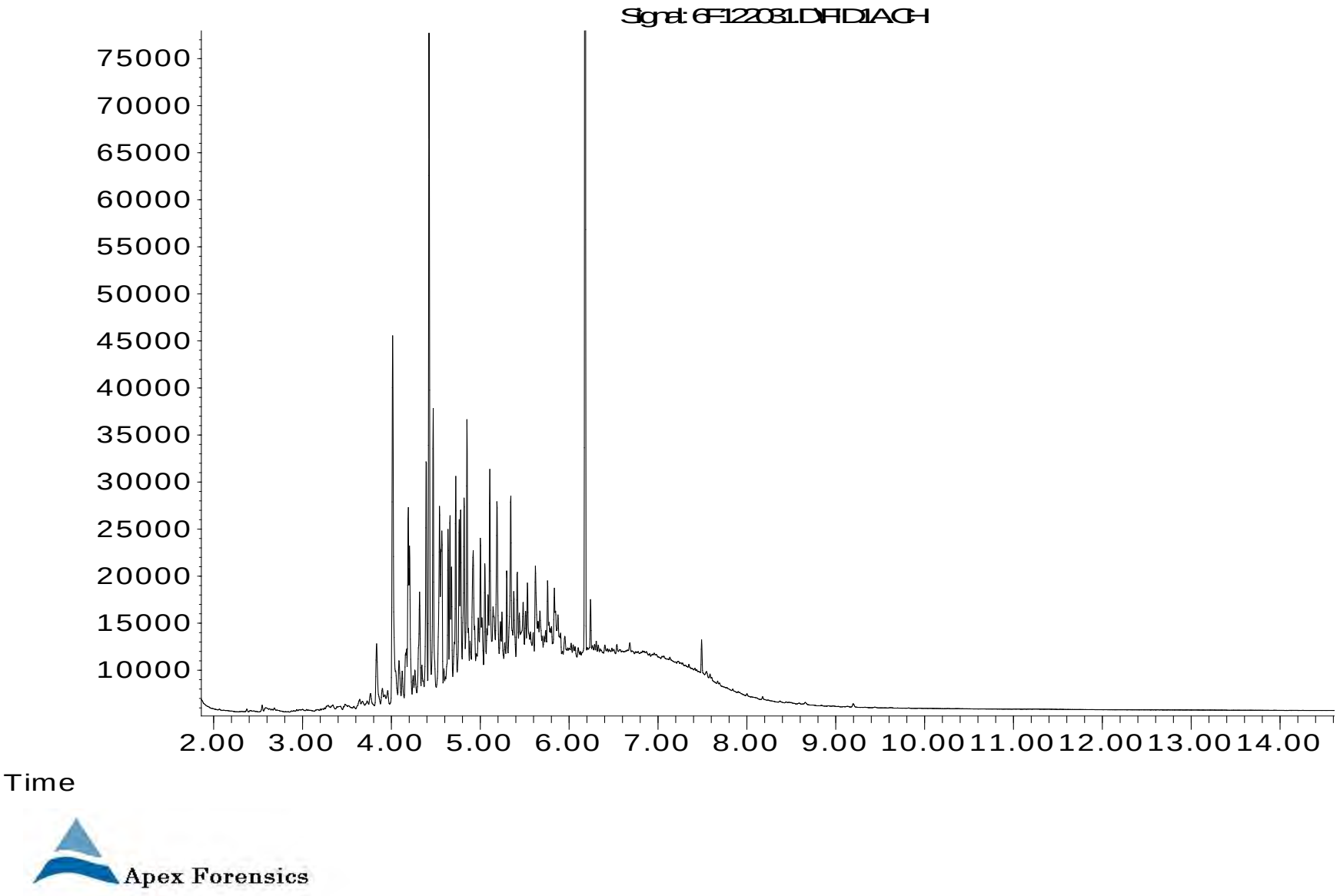
Apex Forensics

Water Sample: MW19-W (A9L0812-12)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



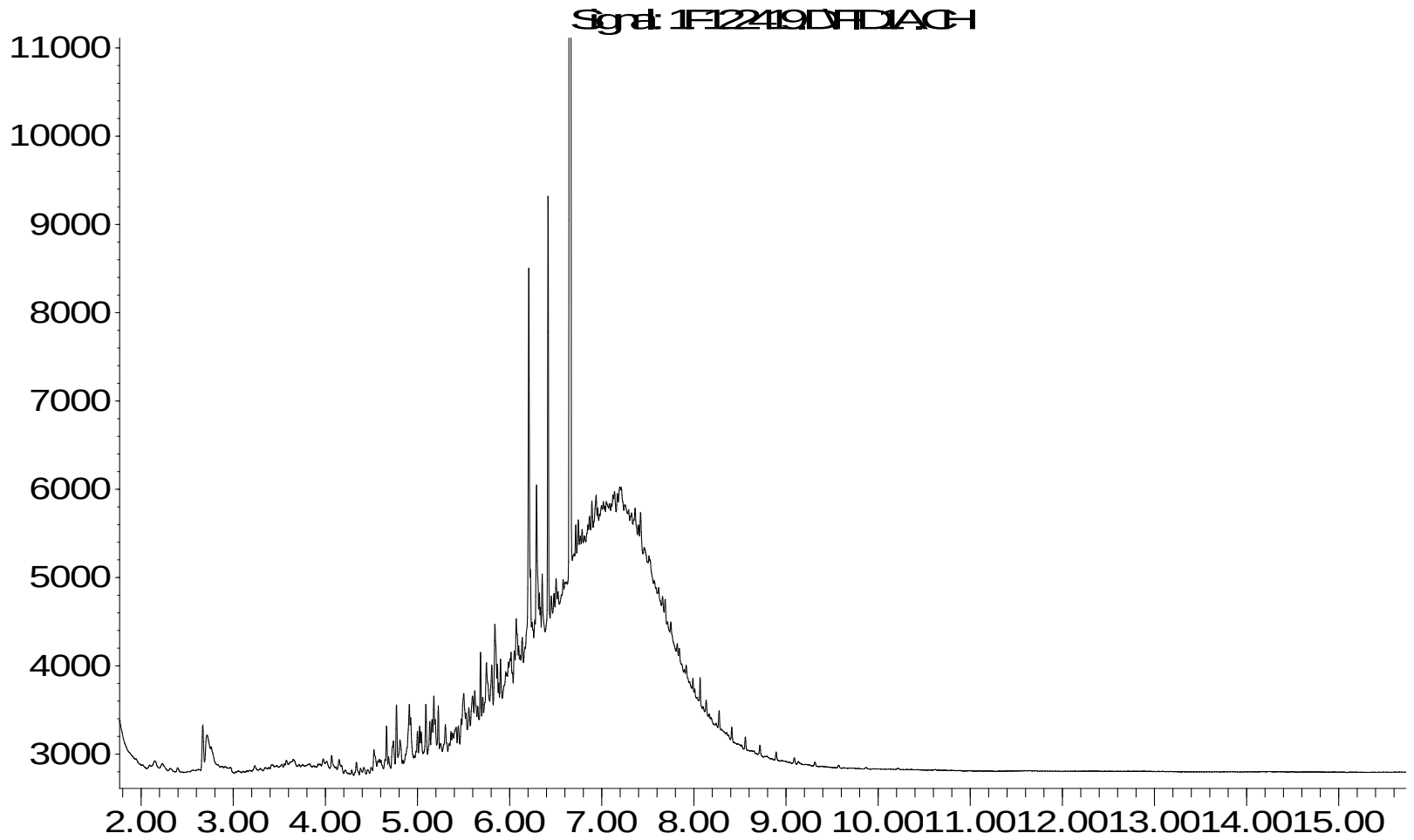
Apex Forensics

Water Sample: MW20-W (A9L0812-13)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



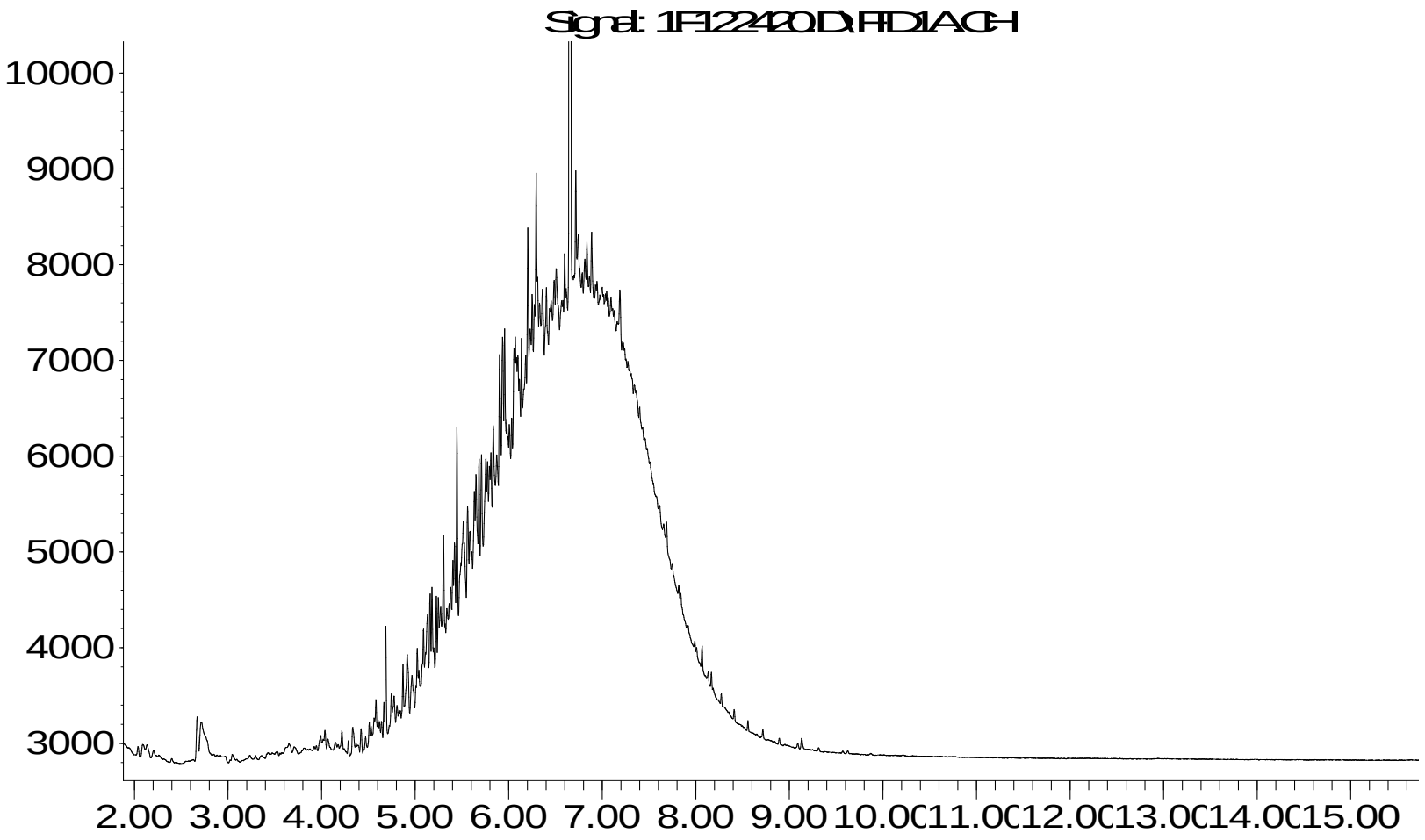
Apex Forensics

Water Sample: MW21-W (A9L0812-14)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



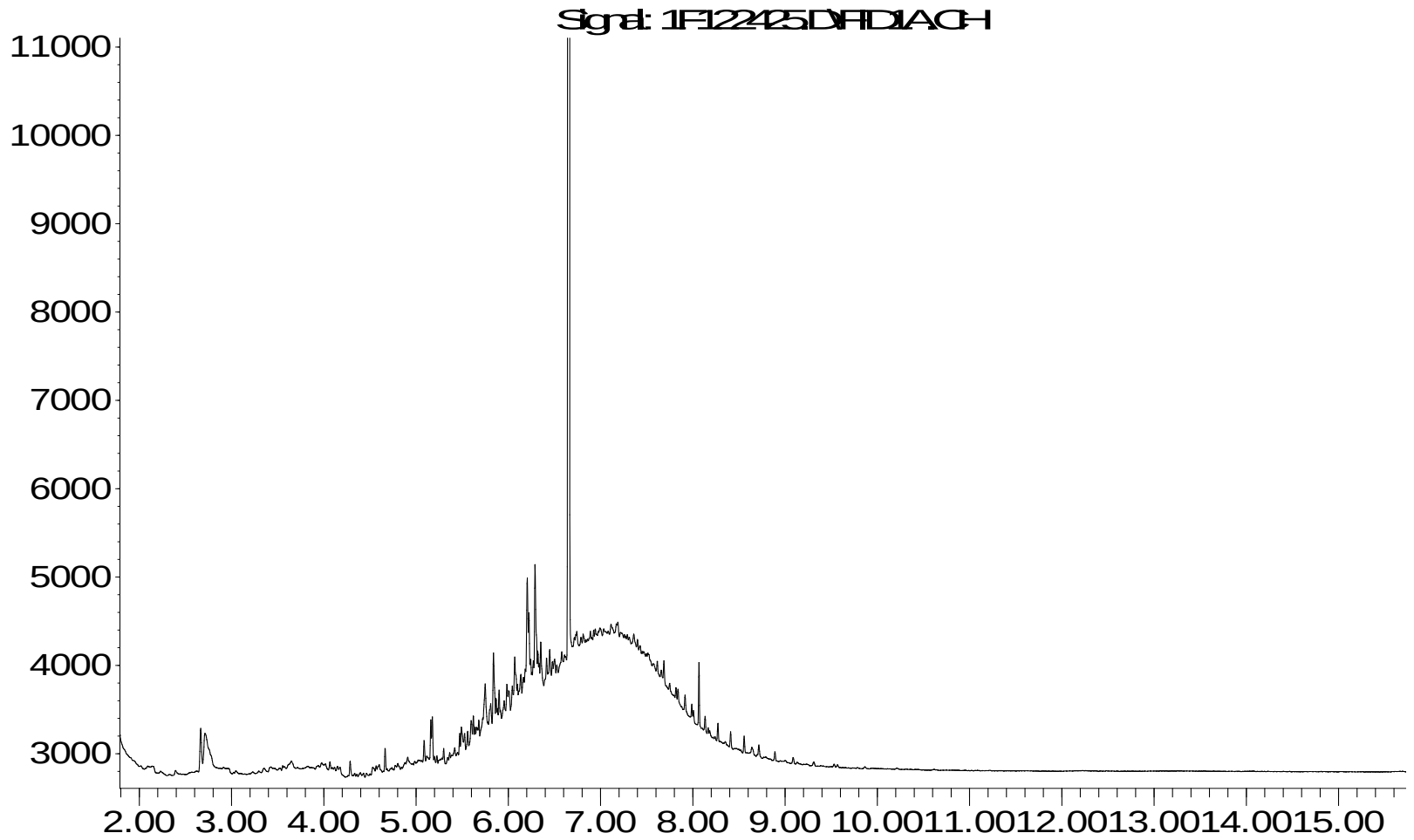
Apex Forensics

Water Sample: MW23-W (A9L0812-15)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



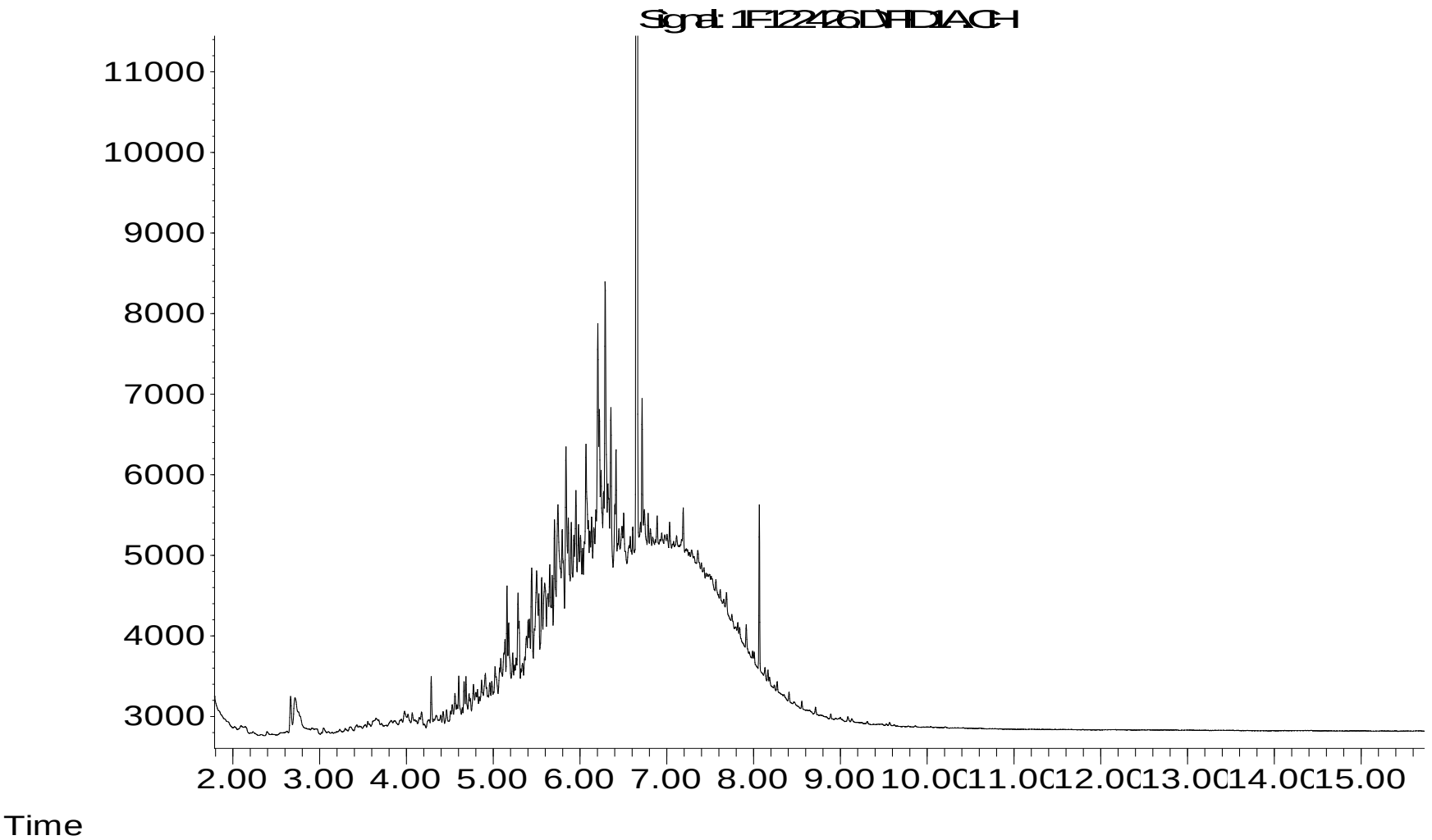
Apex Forensics

Water Sample: MW25-W (A9L0812-16)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



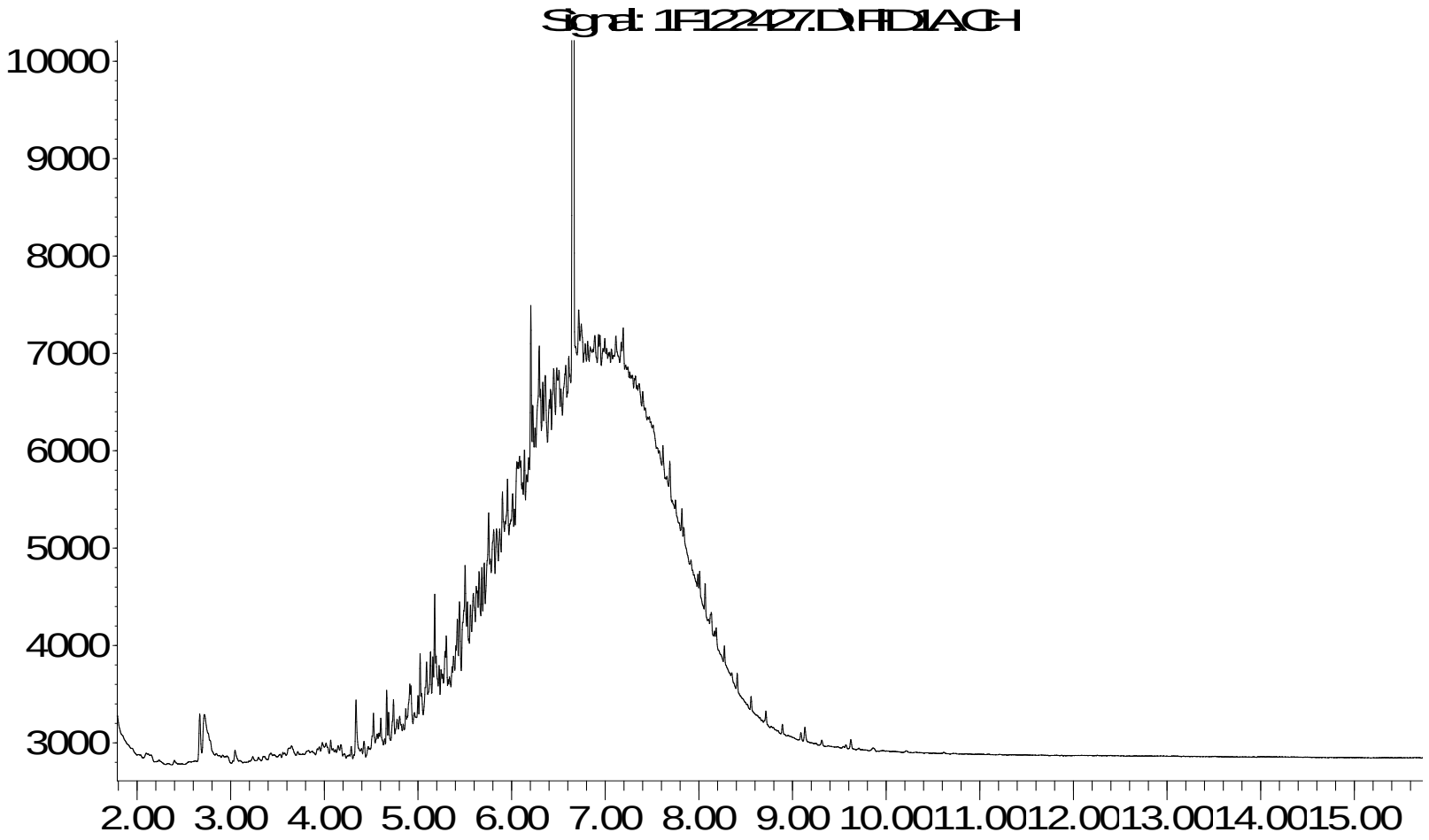
Apex Forensics

Water Sample: MW26-W (A9L0812-17)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



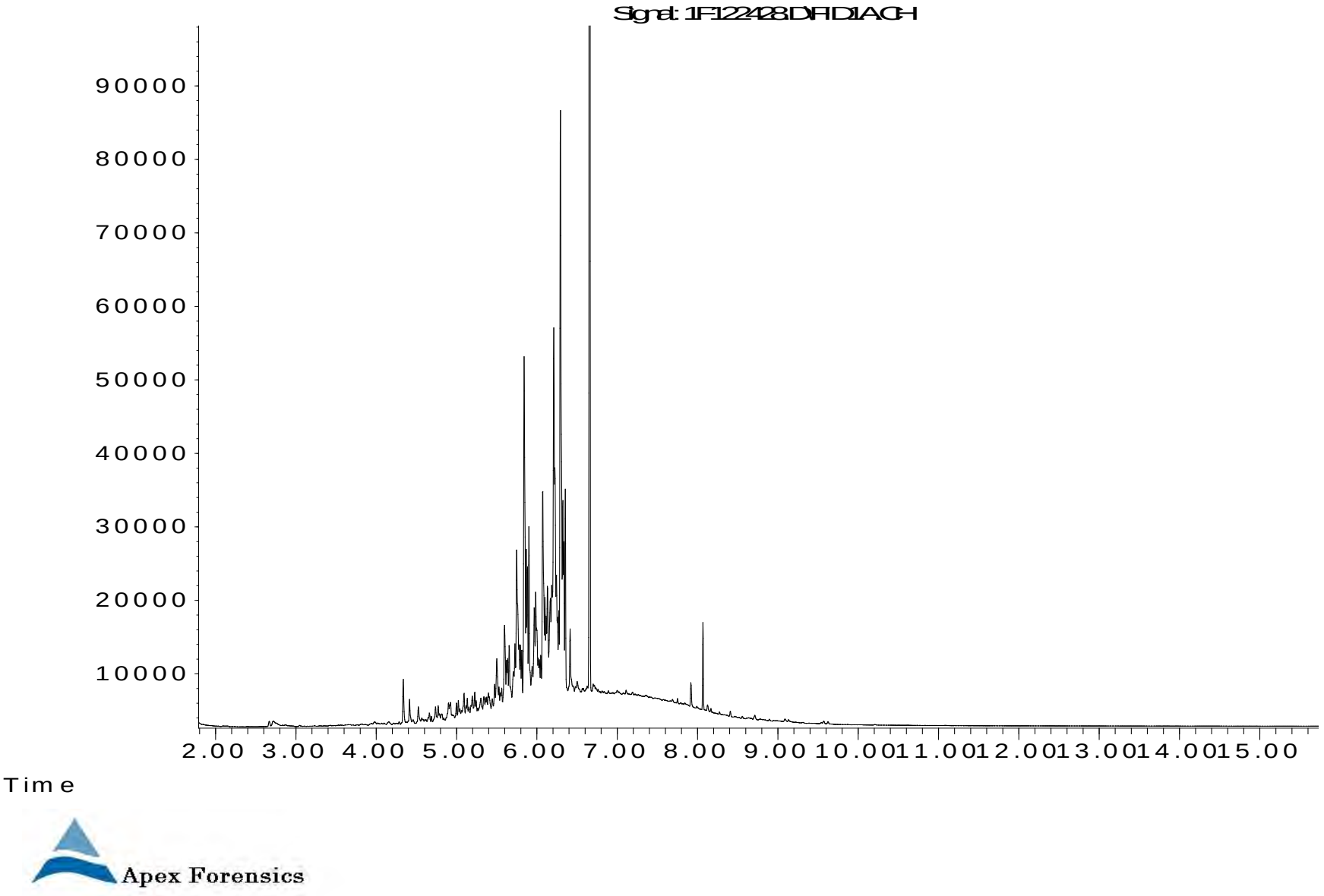
Apex Forensics

Water Sample: MW27-W (A9L0812-18)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



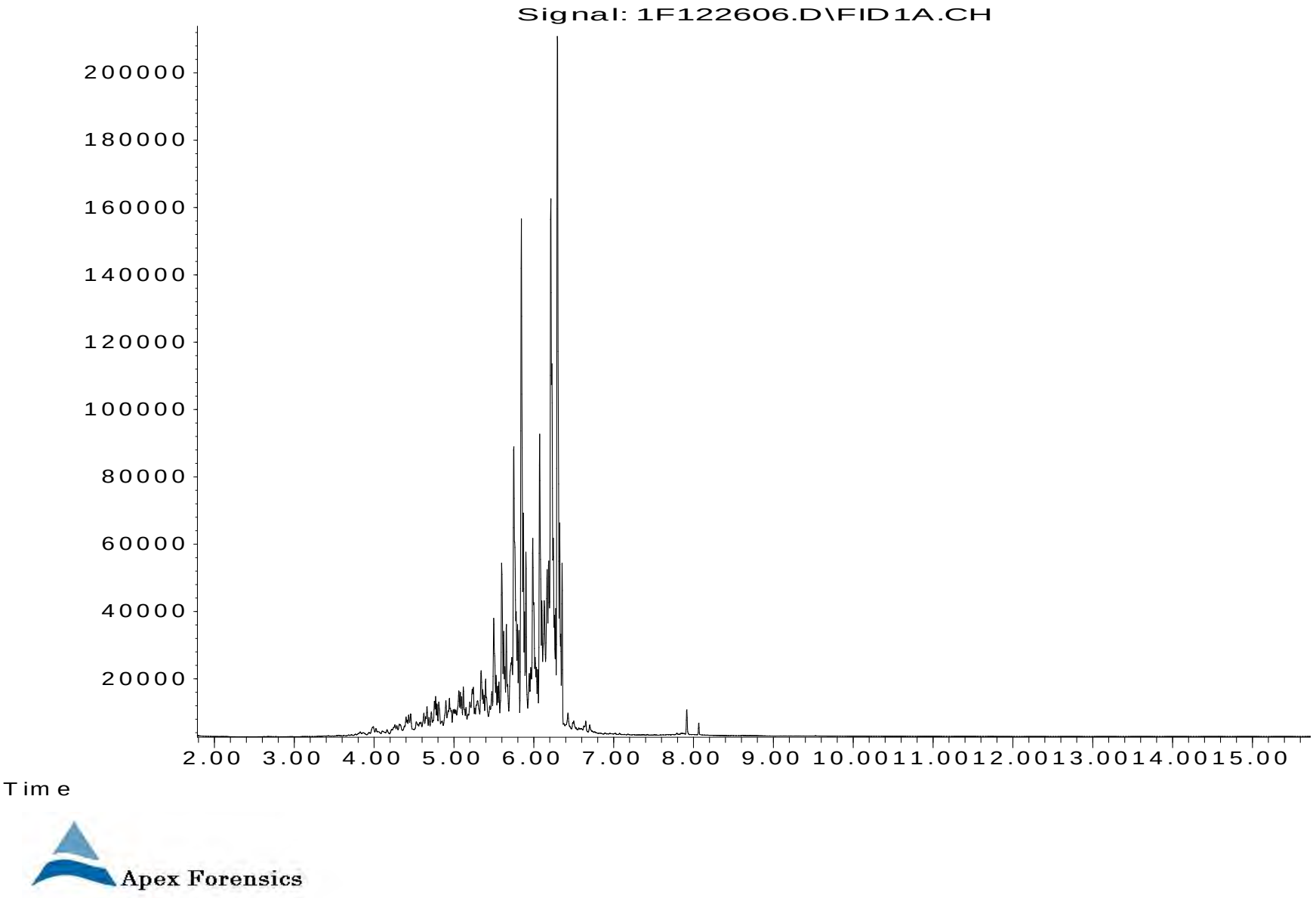
Apex Forensics

Water Sample: MW28-W (A9L0812-19)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



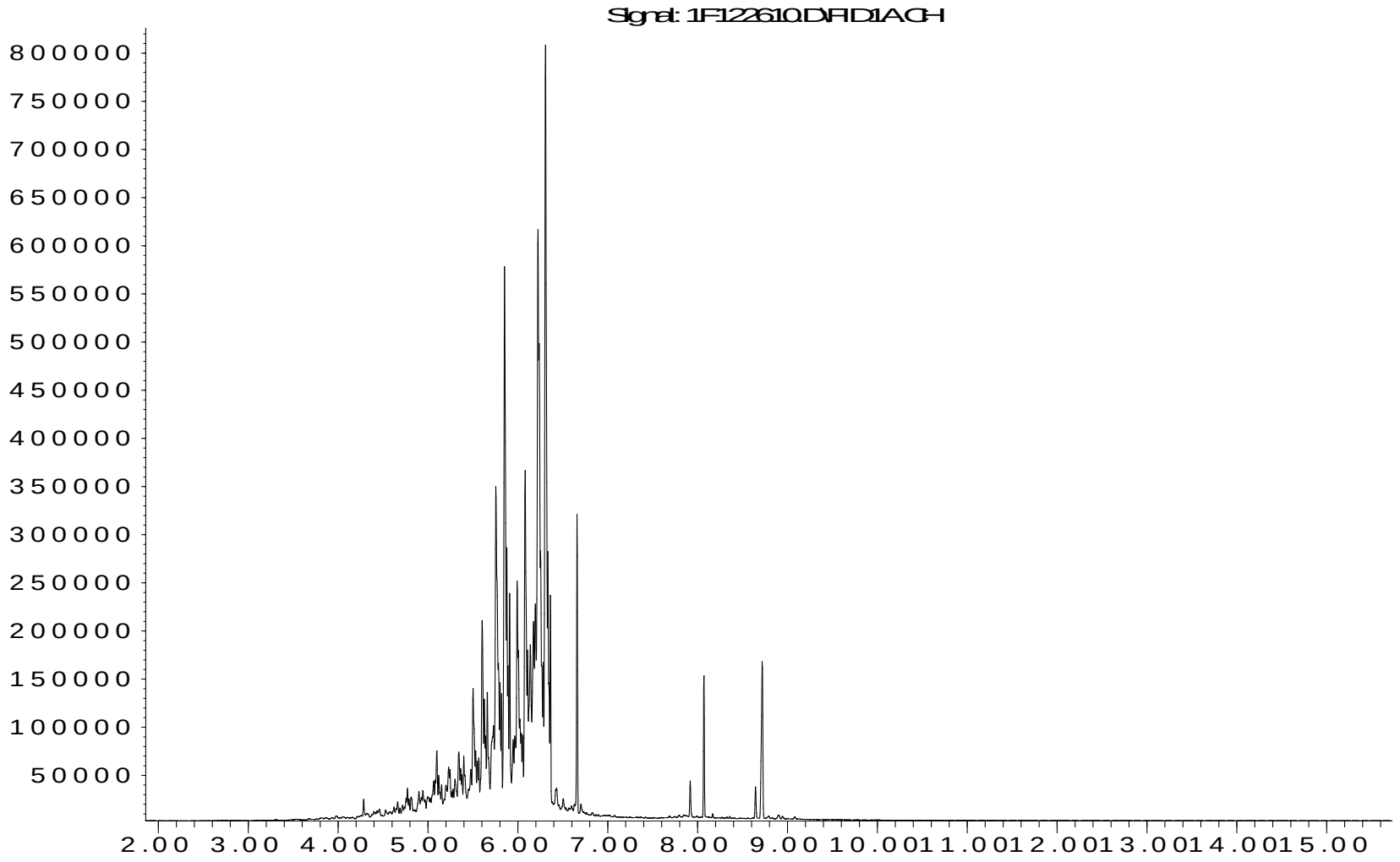
Apex Forensics

Water Sample: MW29-W (A9L0812-20)@100
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



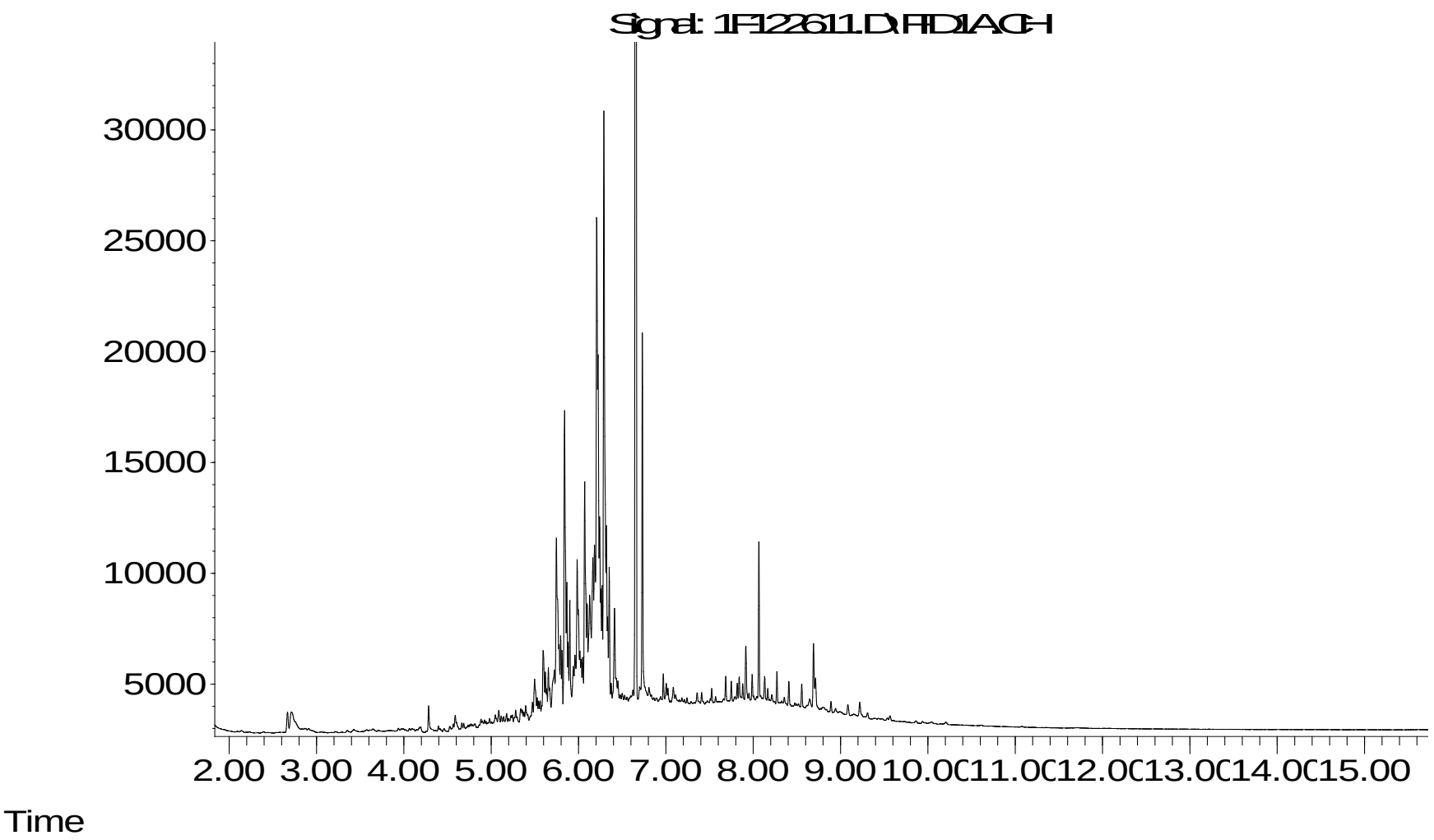
Apex Forensics

Water Sample: MW30-W (A9L0812-21)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



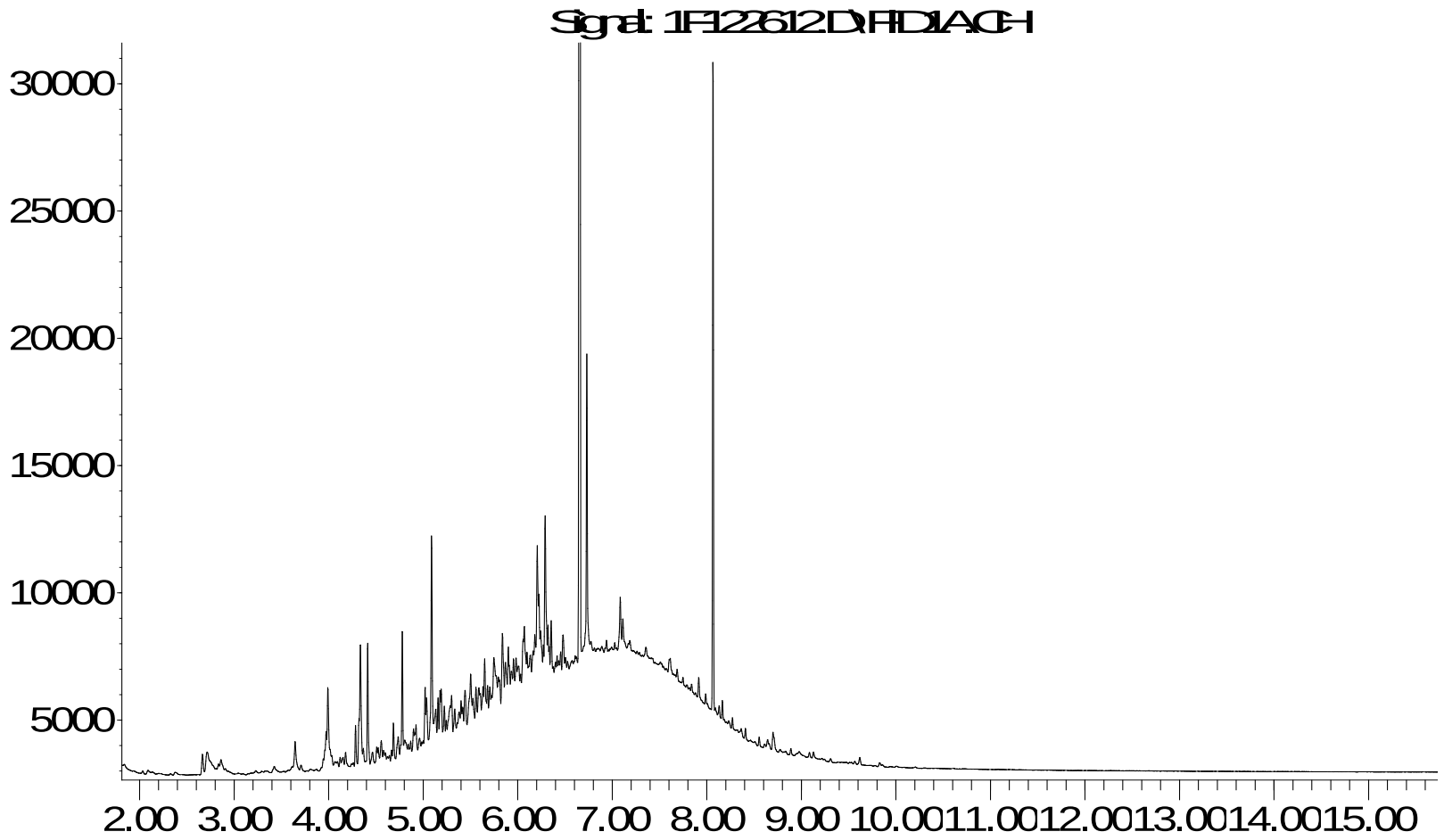
Apex Forensics

Water Sample: MW31-W (A9L0812-22)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



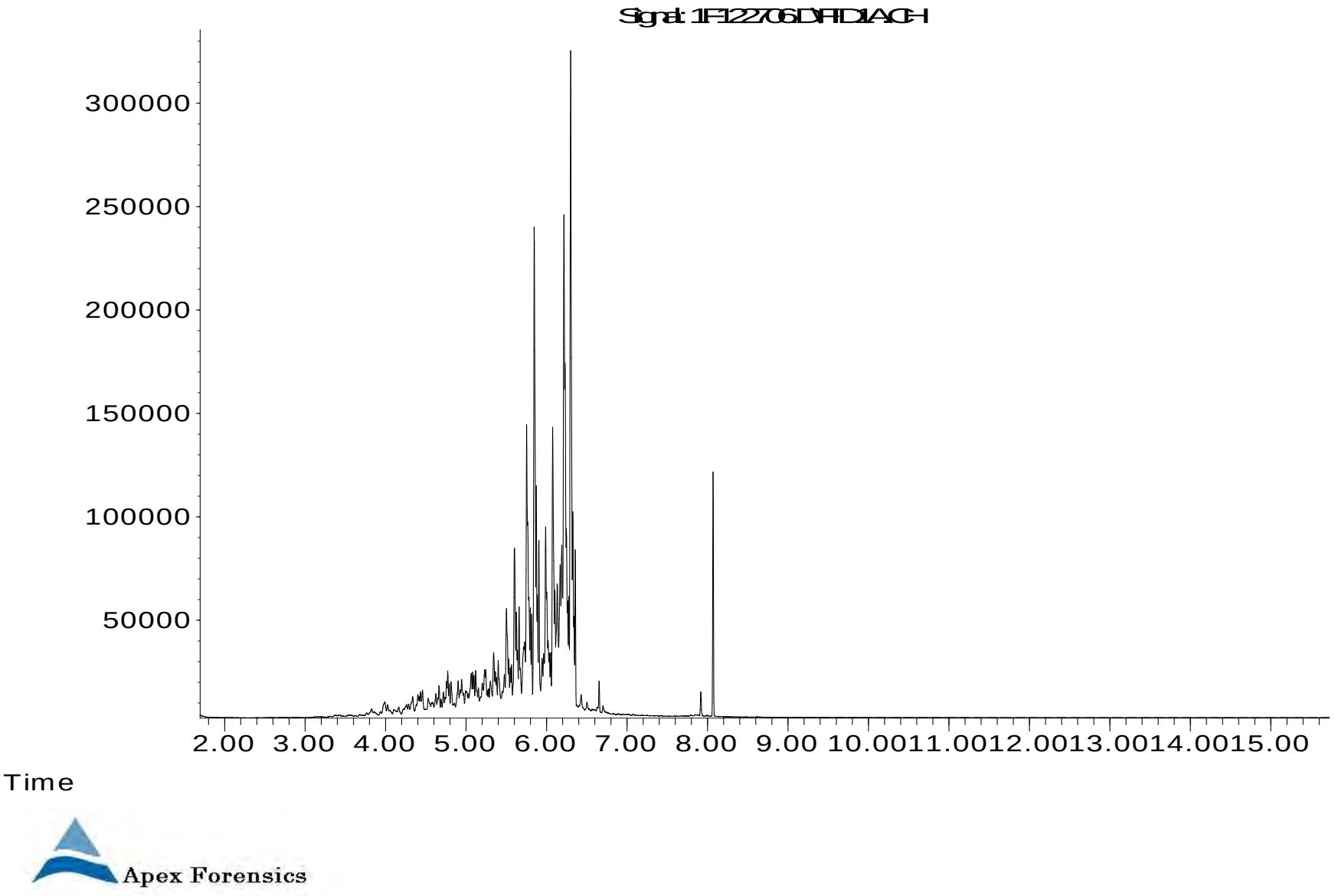
Apex Forensics

Water Sample: MW32-W (A9L0812-23)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



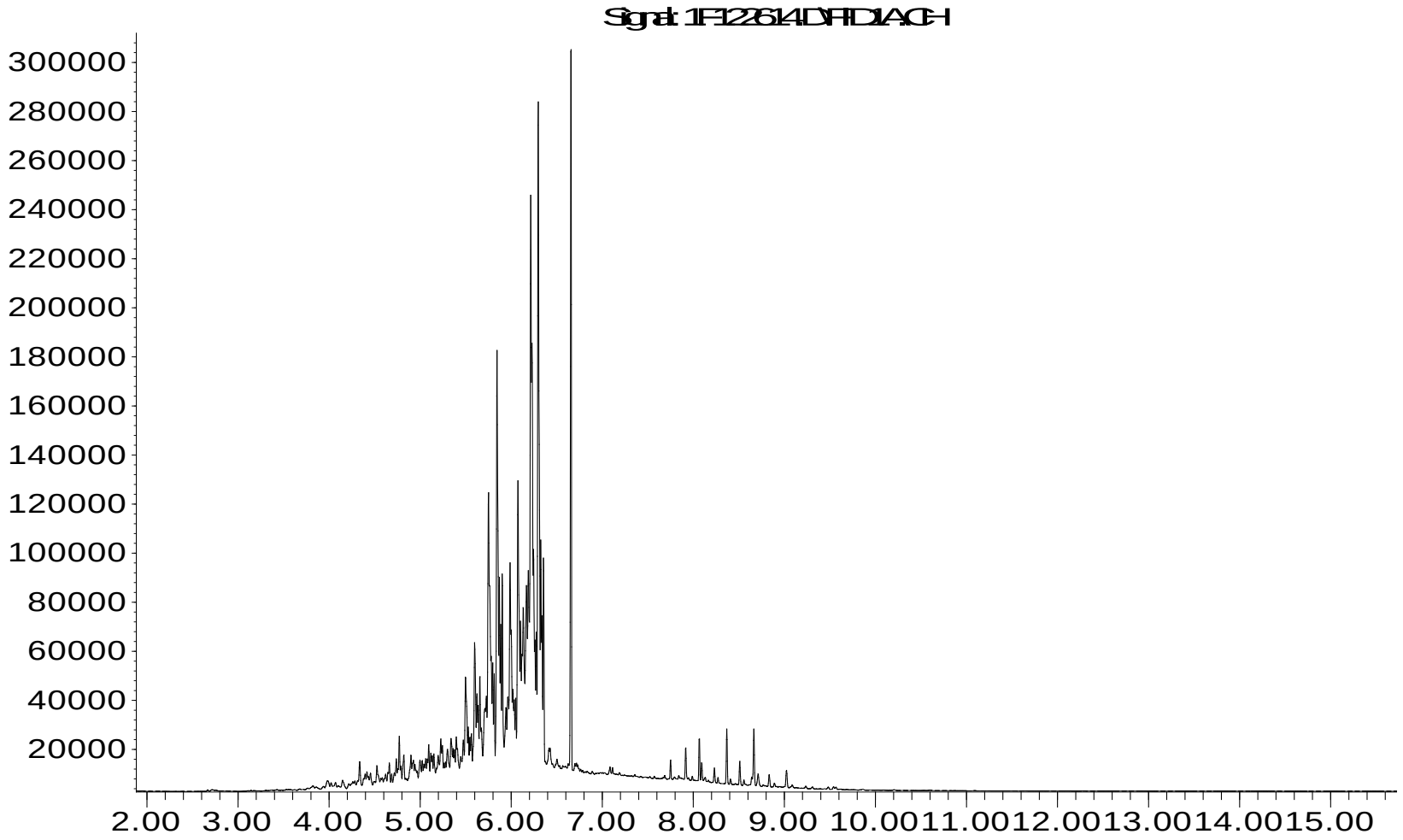
Apex Forensics

Water Sample: BH01R-W (A9L0812-24)@20
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



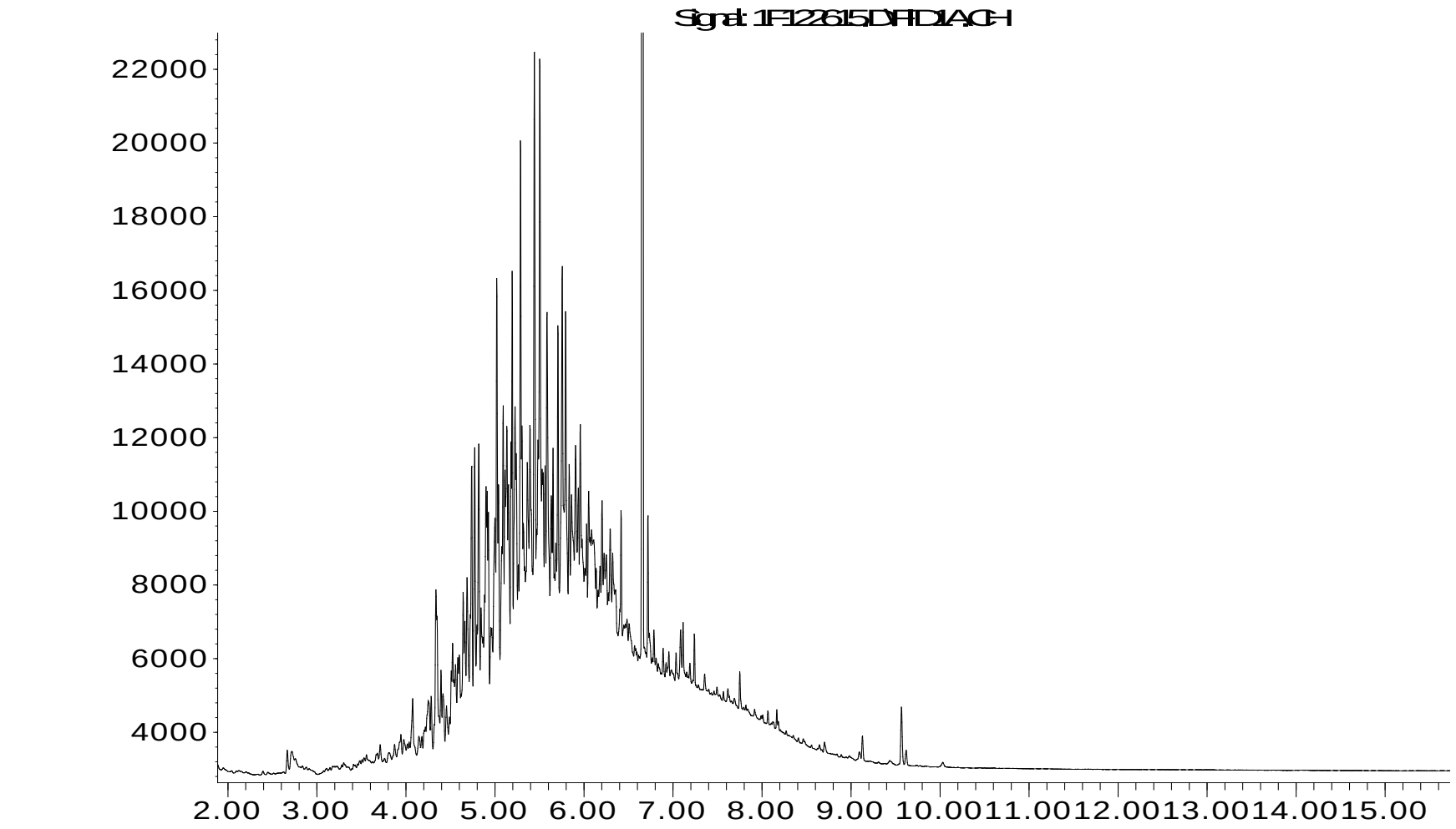
Apex Forensics

Water Sample: BH02-W (A9L0812-25)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



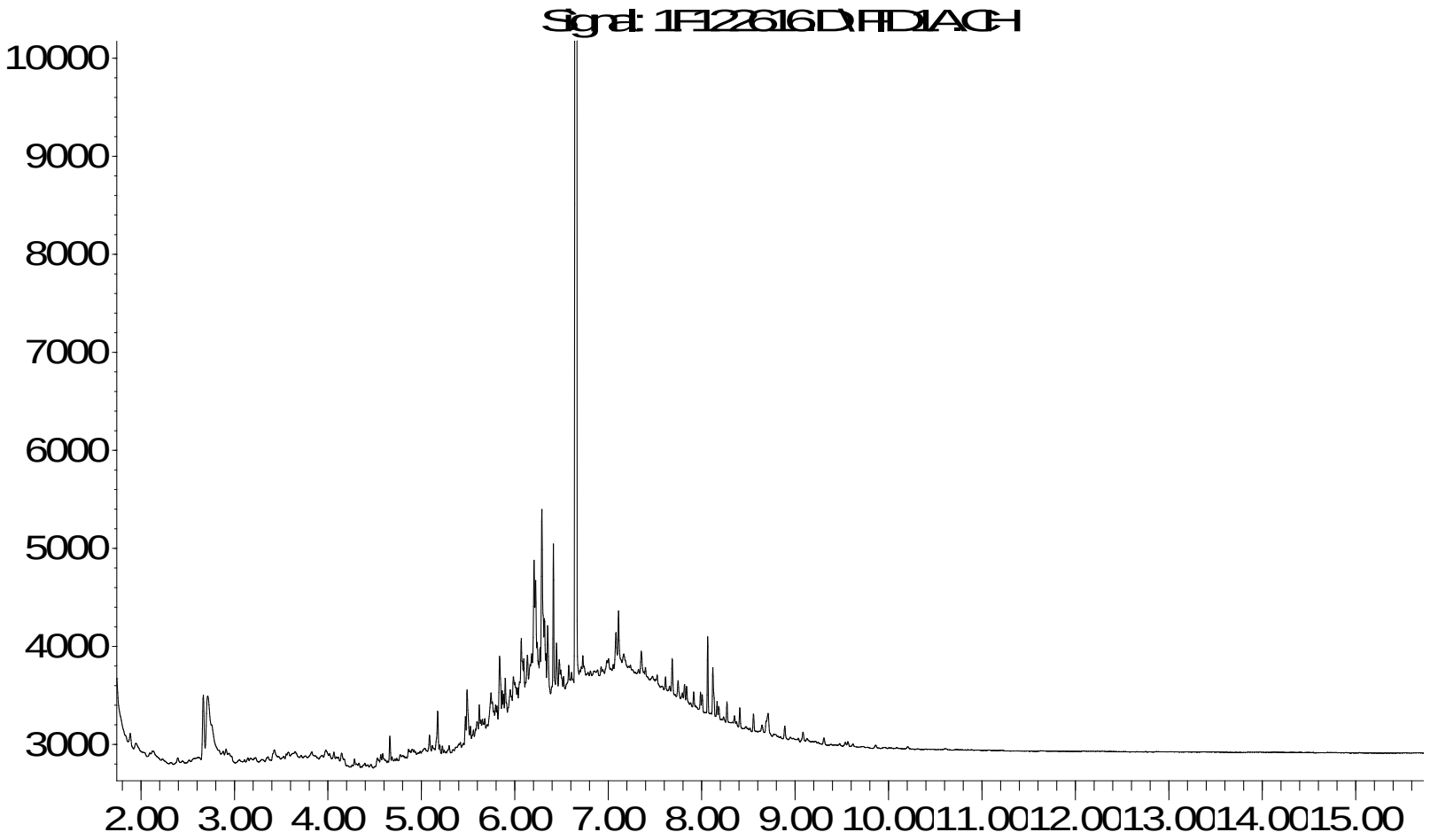
Apex Forensics

Water Sample: BH03-W (A9L0812-26)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



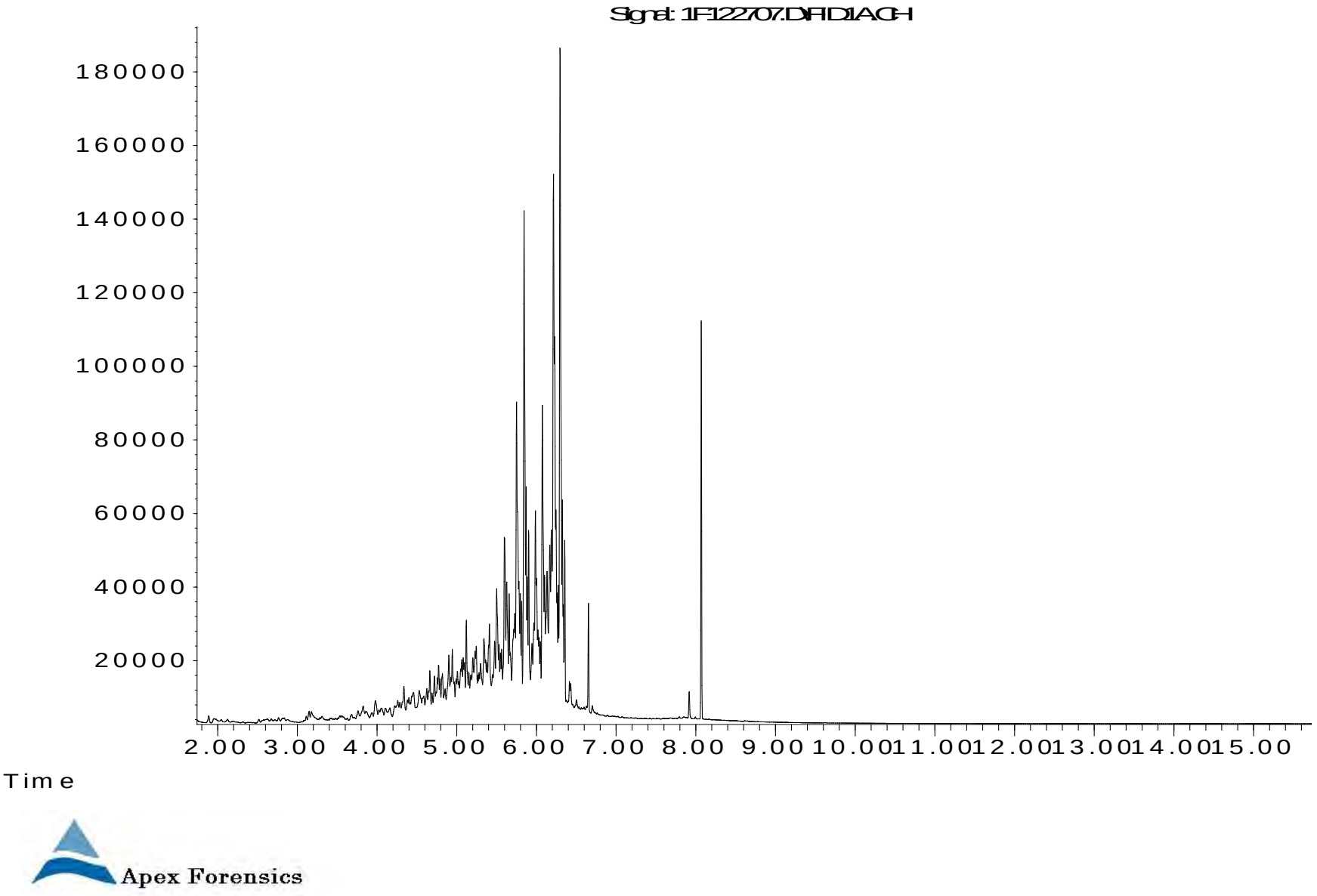
Apex Forensics

Water Sample: RW01-W (A9L0812-27)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



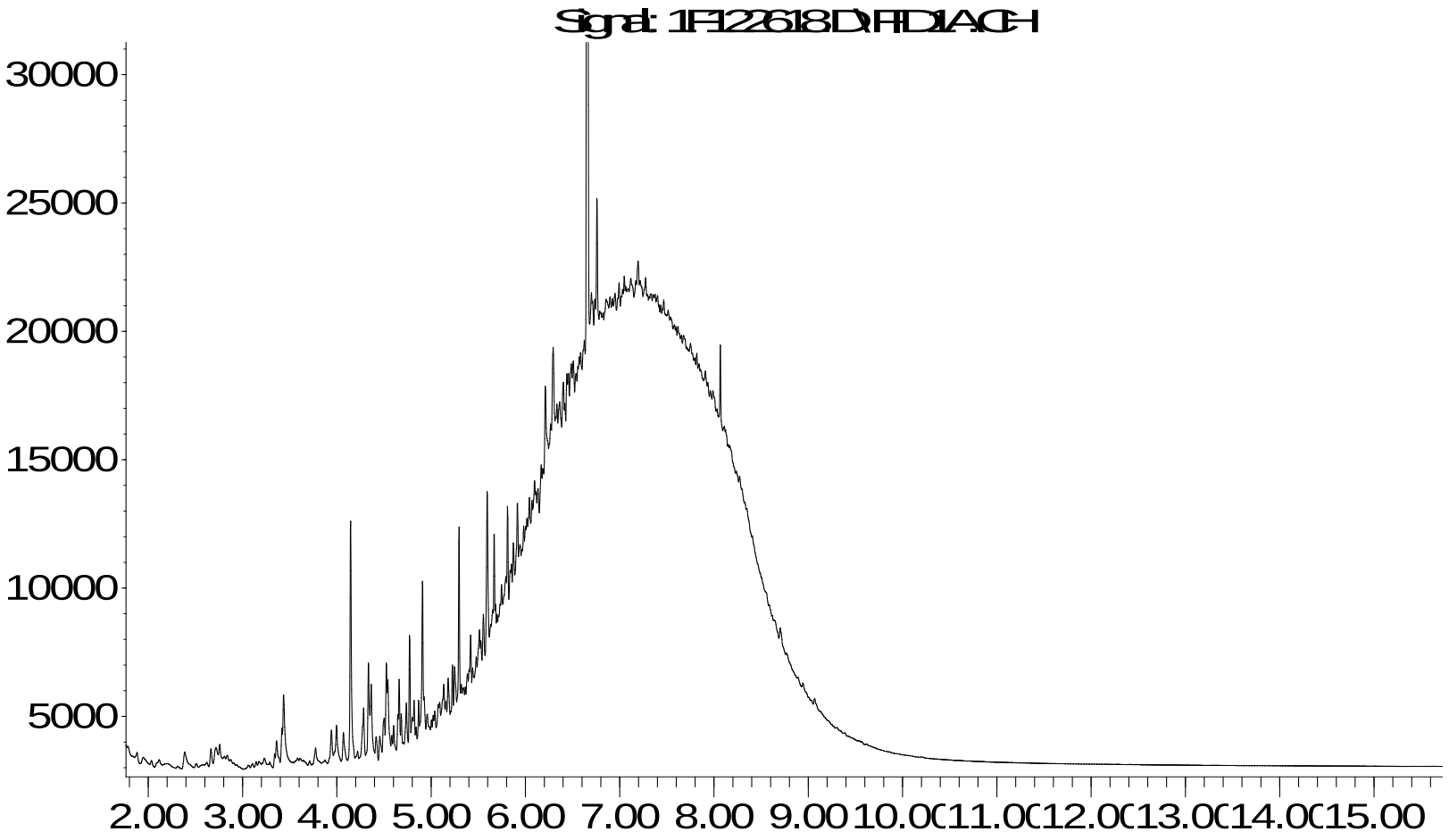
Apex Forensics

Water Sample: MW301-W (A9L0812-28)@10
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



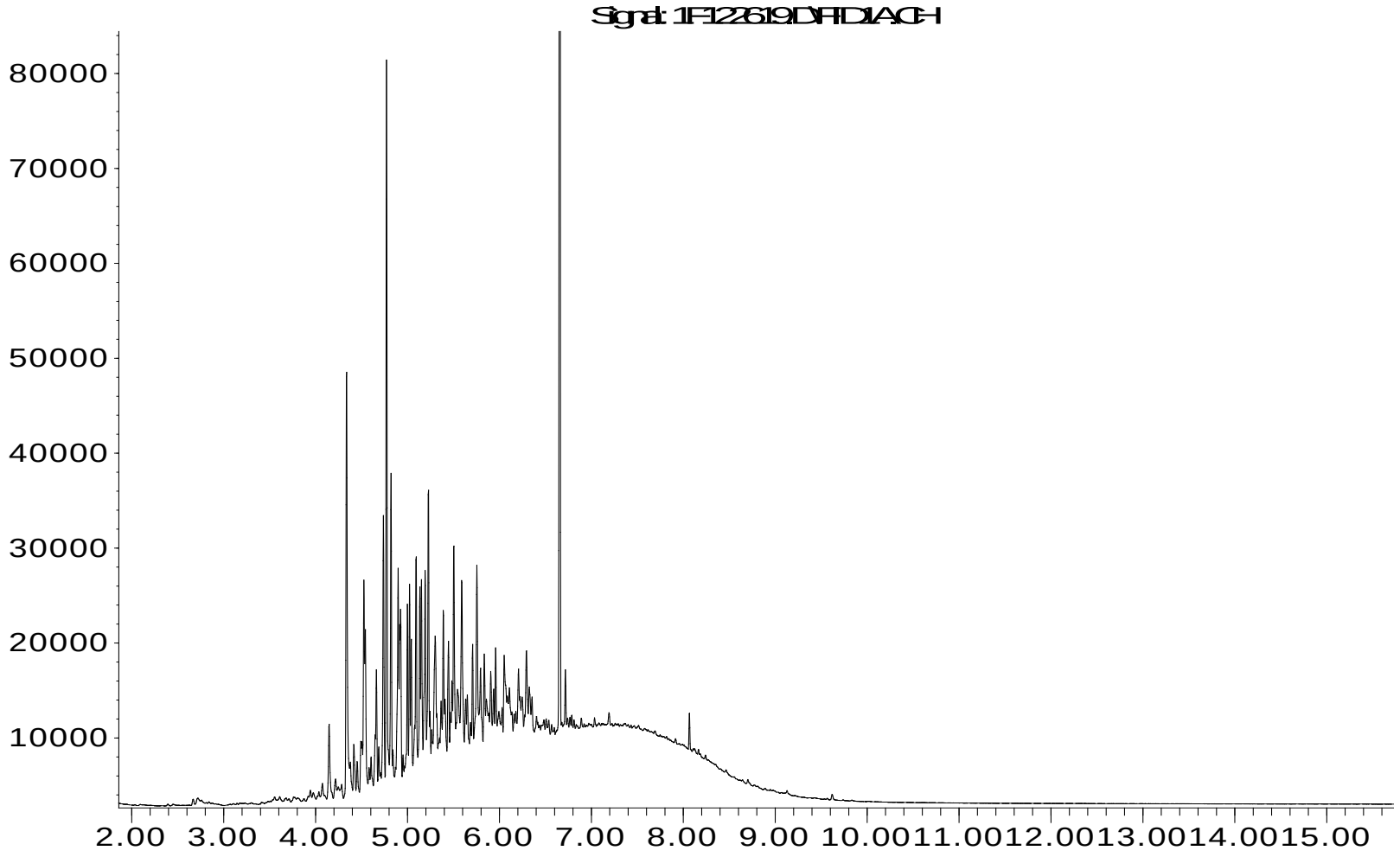
Apex Forensics

Water Sample: MW302-W (A9L0812-29)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



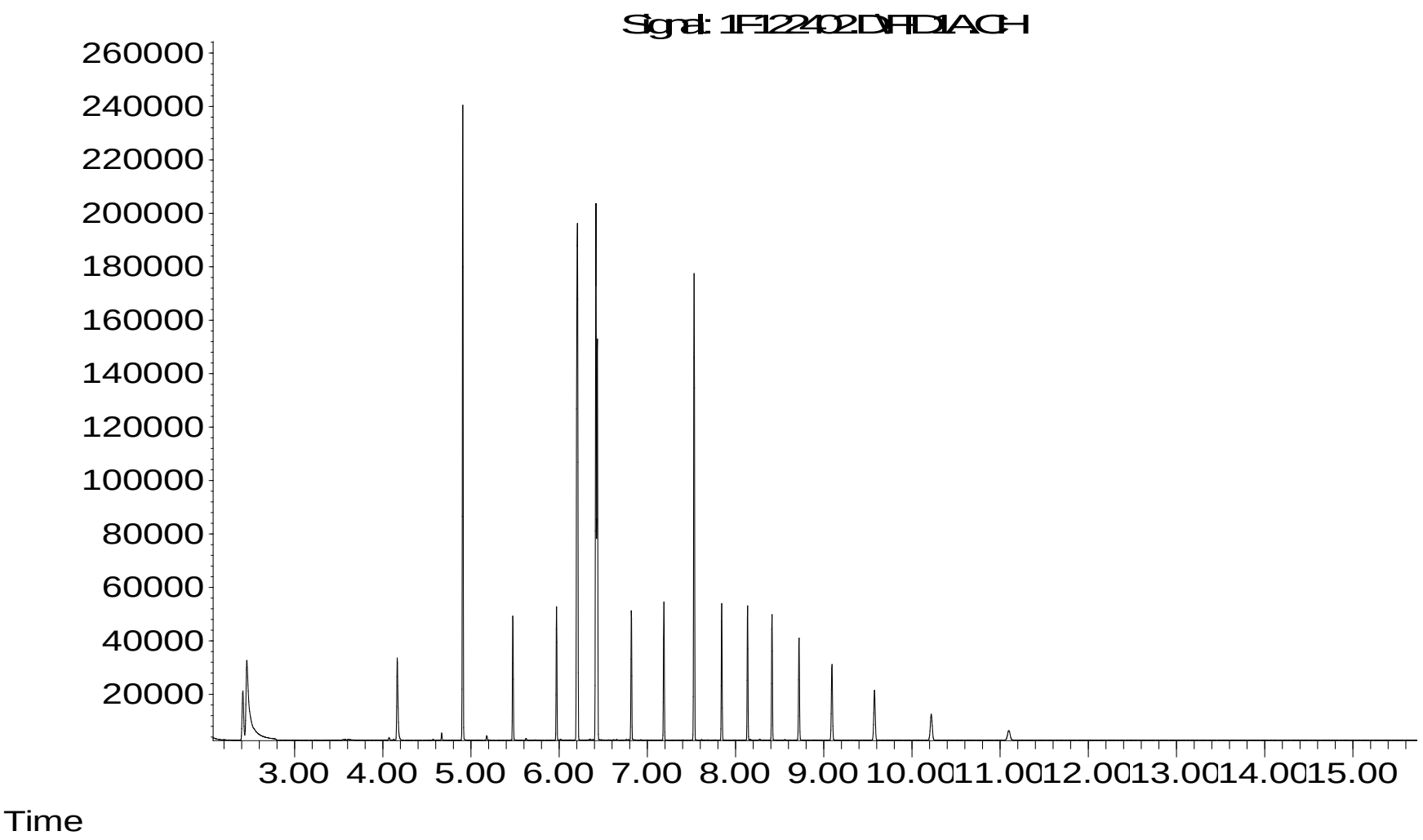
Apex Forensics

Water Sample: MW303-W (A9L0812-30)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



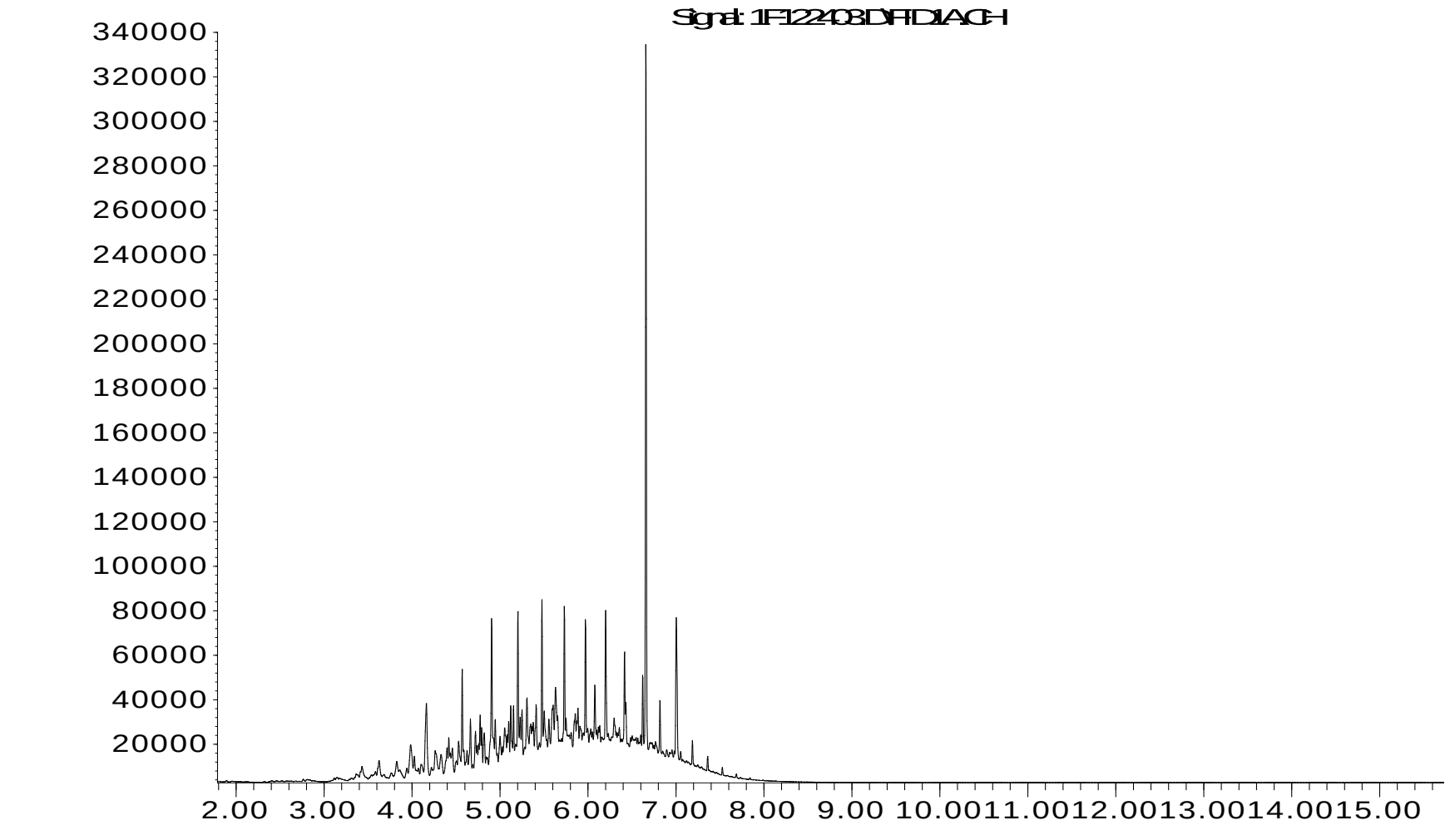
Apex Forensics

QC Sample: 9L24026-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



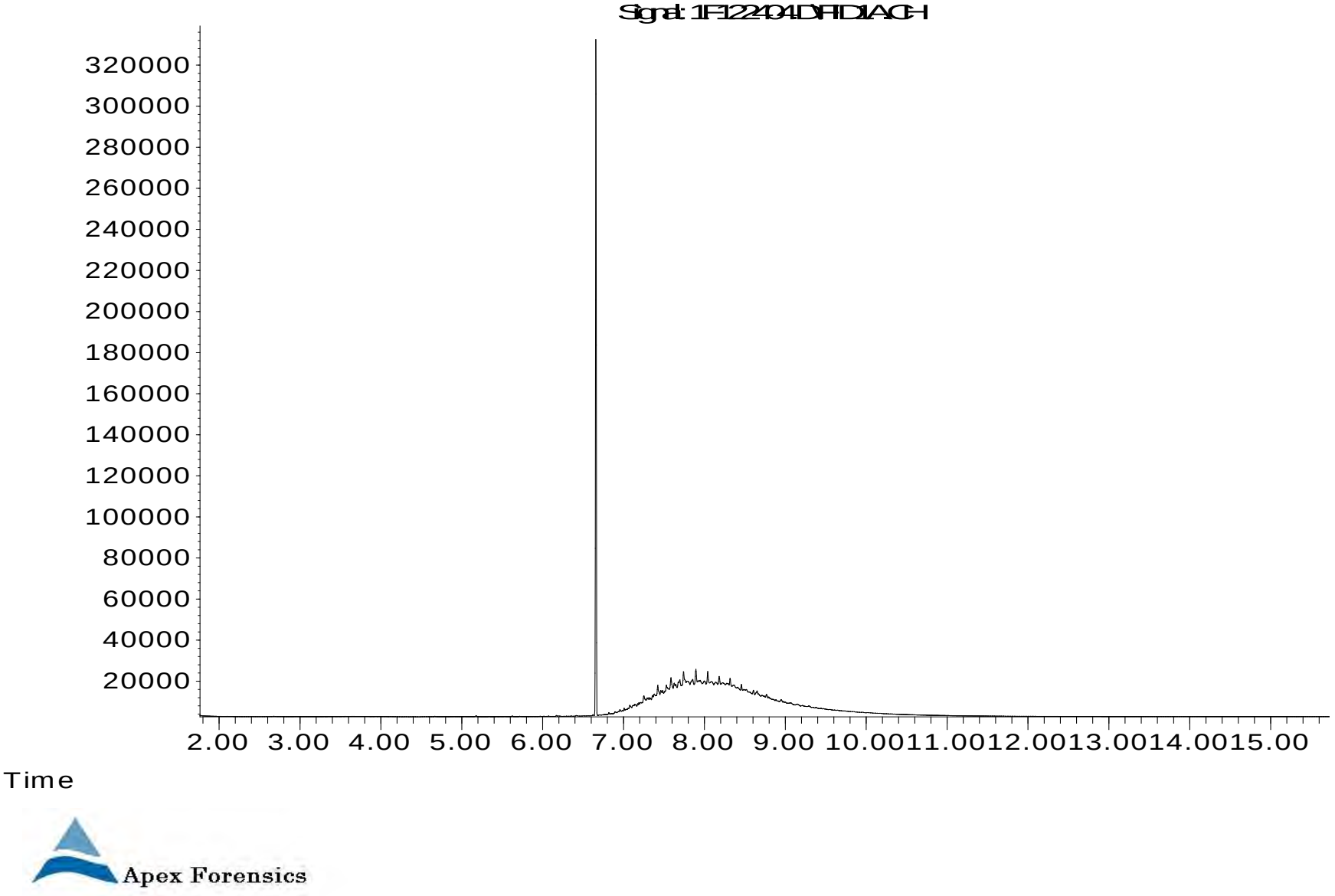
Apex Forensics

QC Sample: 9L24026-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



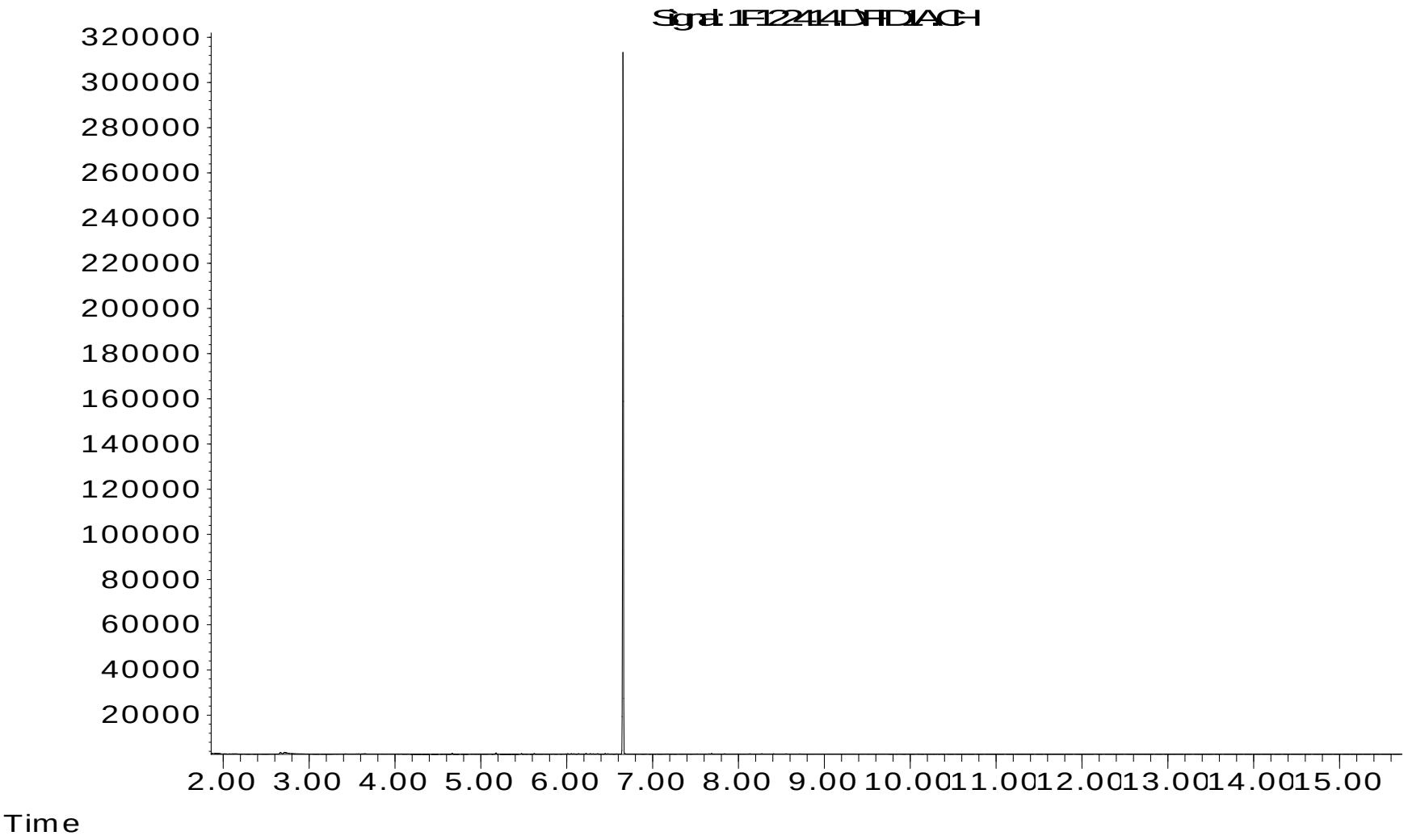
Apex Forensics

QC Sample: 9L24026-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



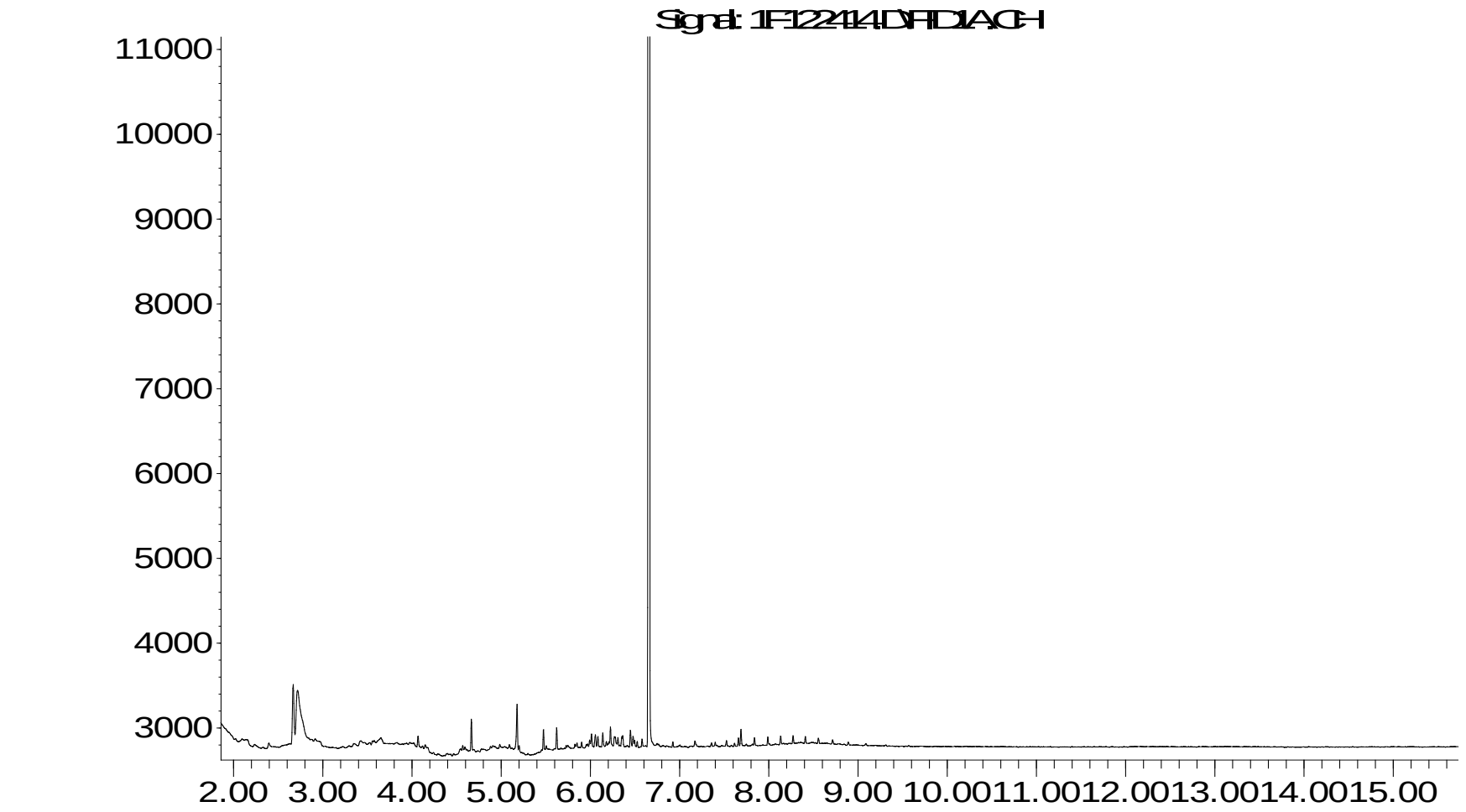
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



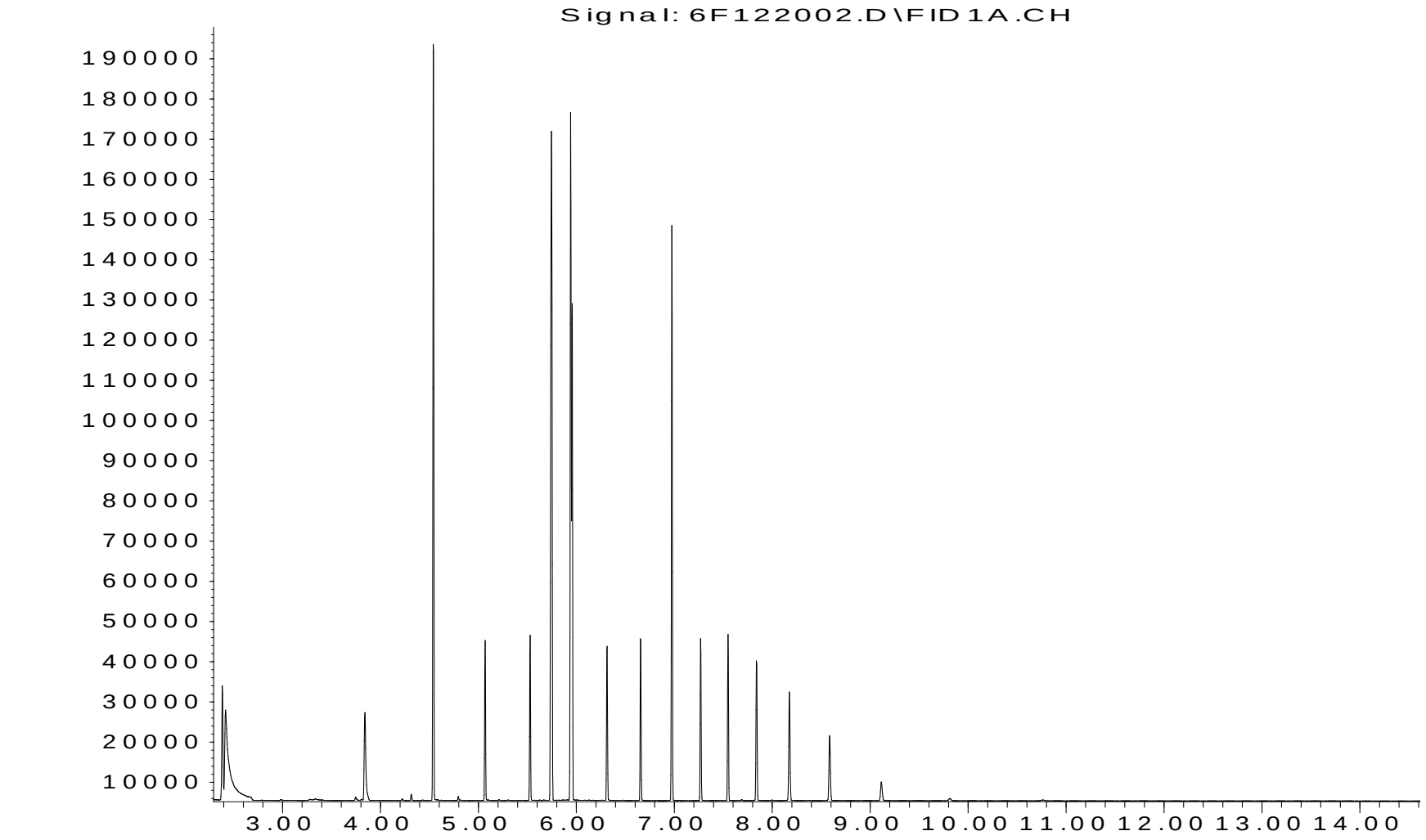
Apex Forensics

QC Sample: Method Blank DETAIL
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



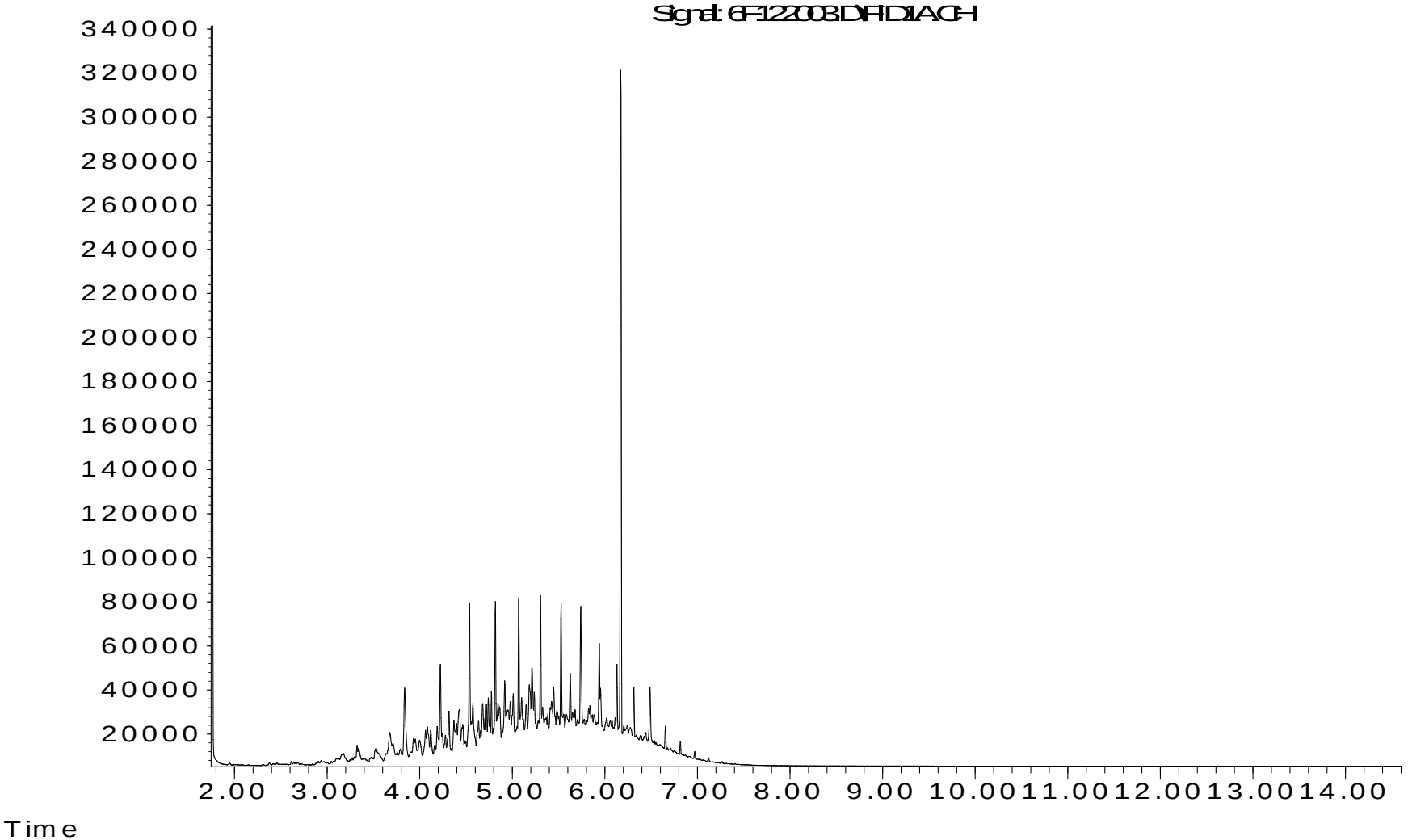
Apex Forensics

QC Sample: 9L20022-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



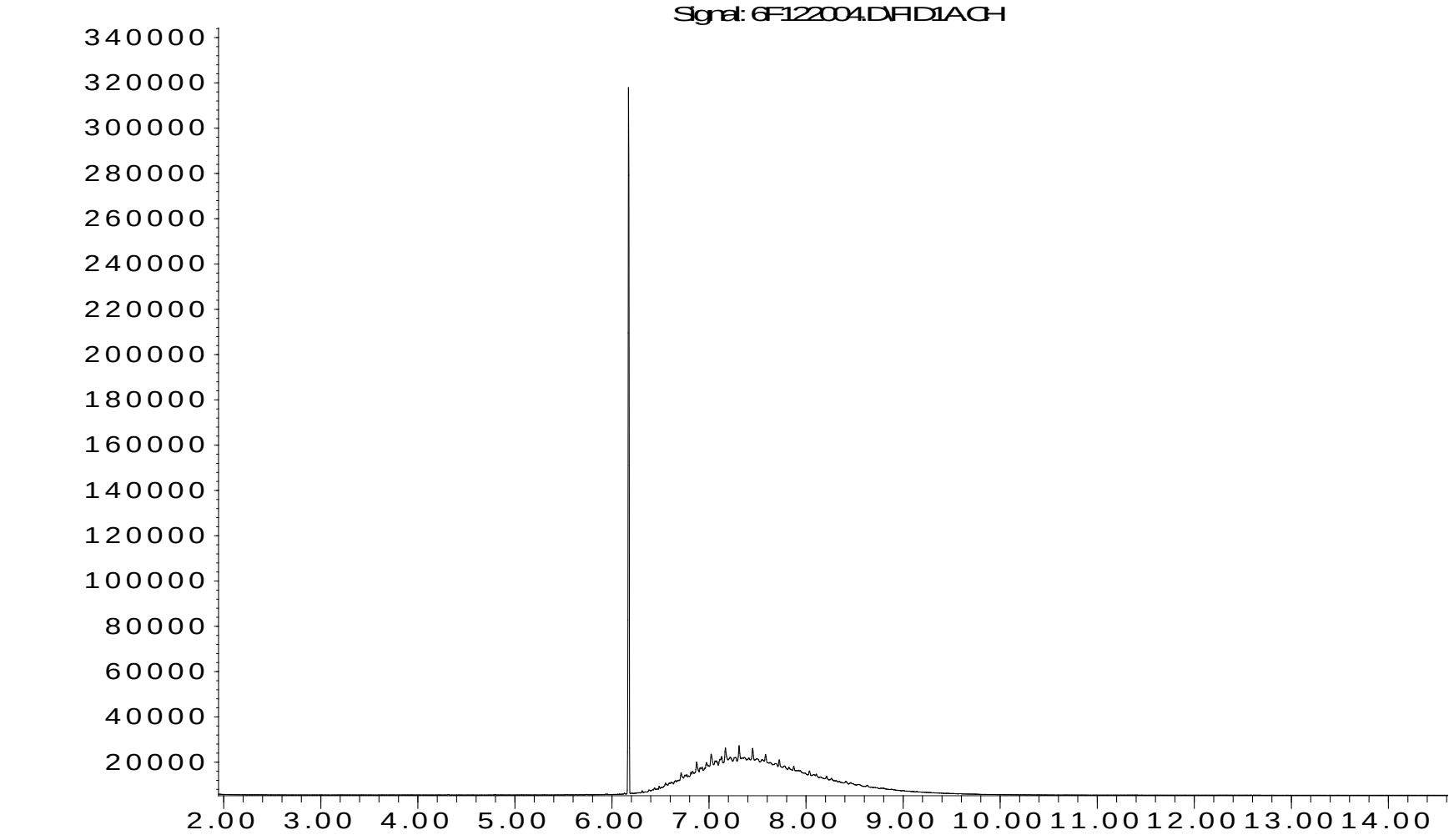
Apex Forensics

QC Sample: 9L20022-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



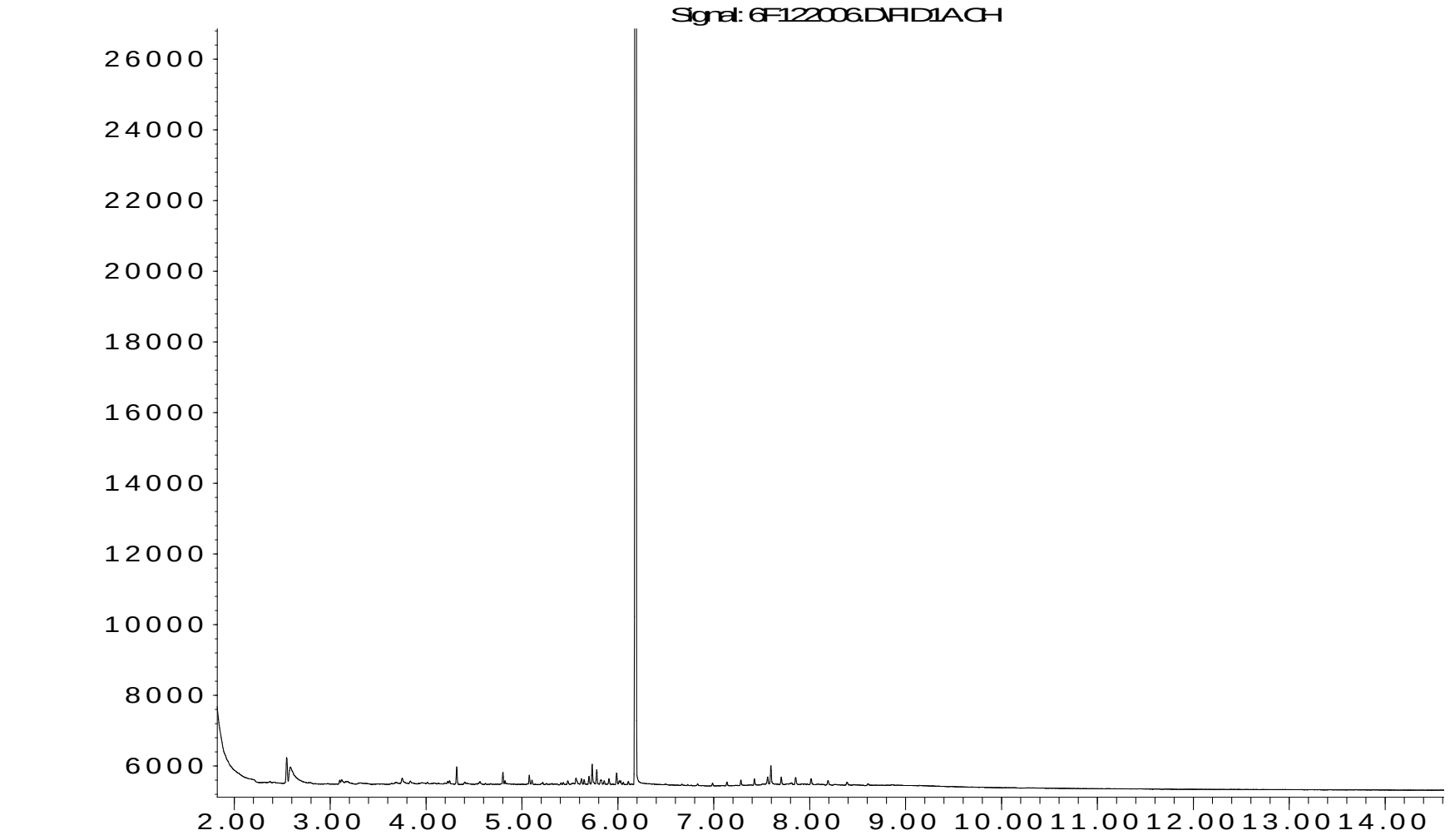
Apex Forensics

QC Sample: 9L20022-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



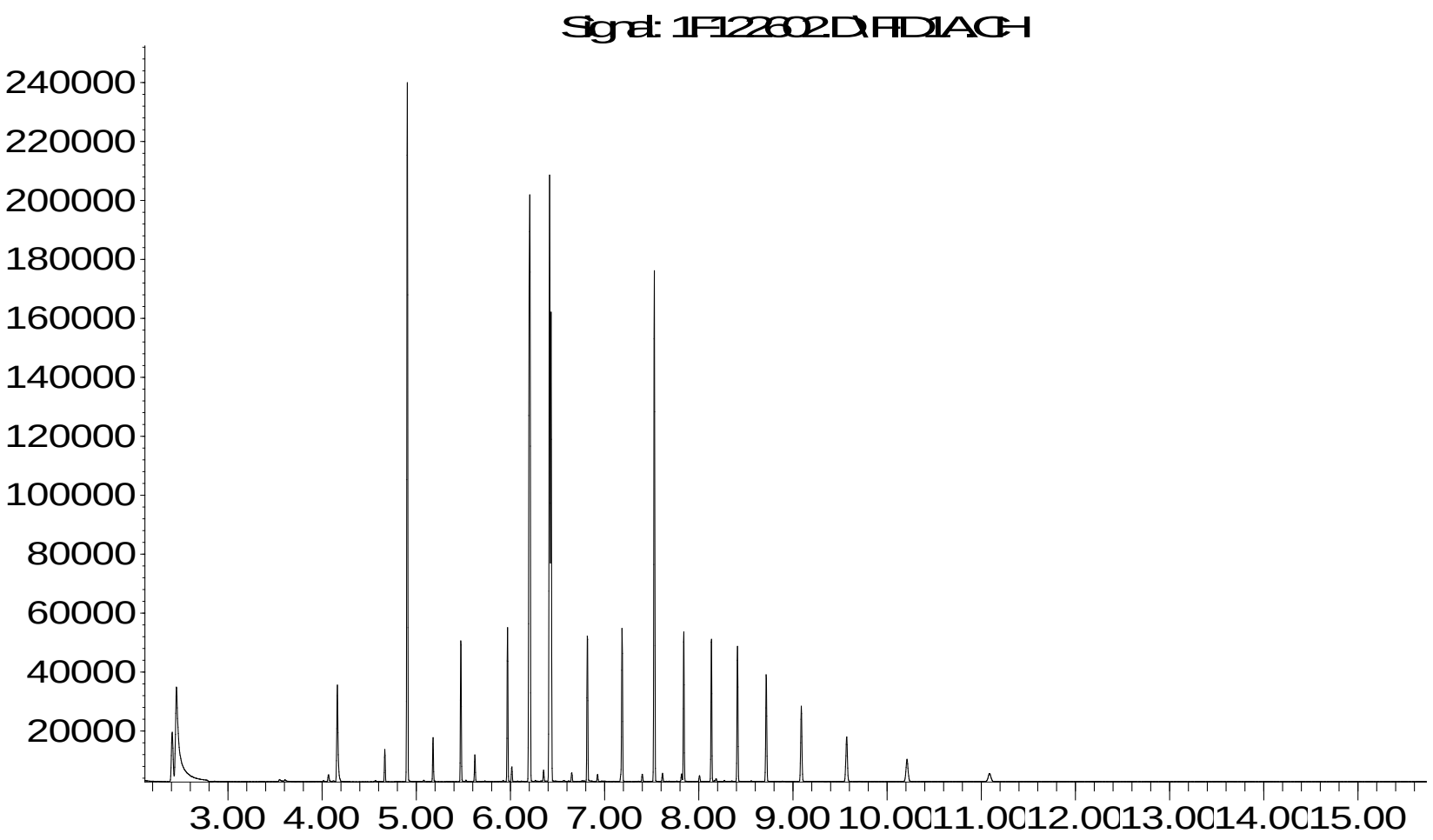
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



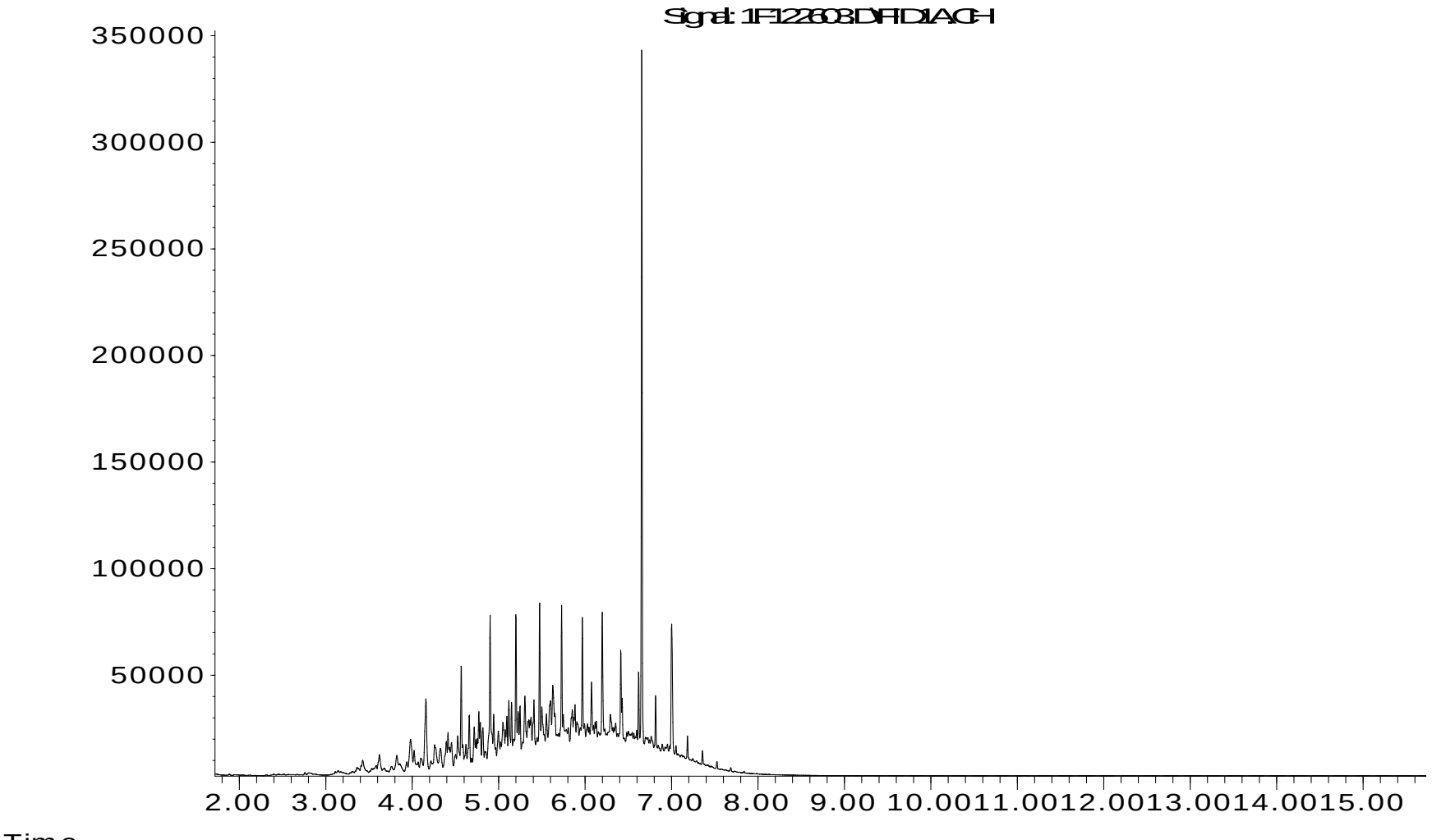
Apex Forensics

QC Sample: 9L26001-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



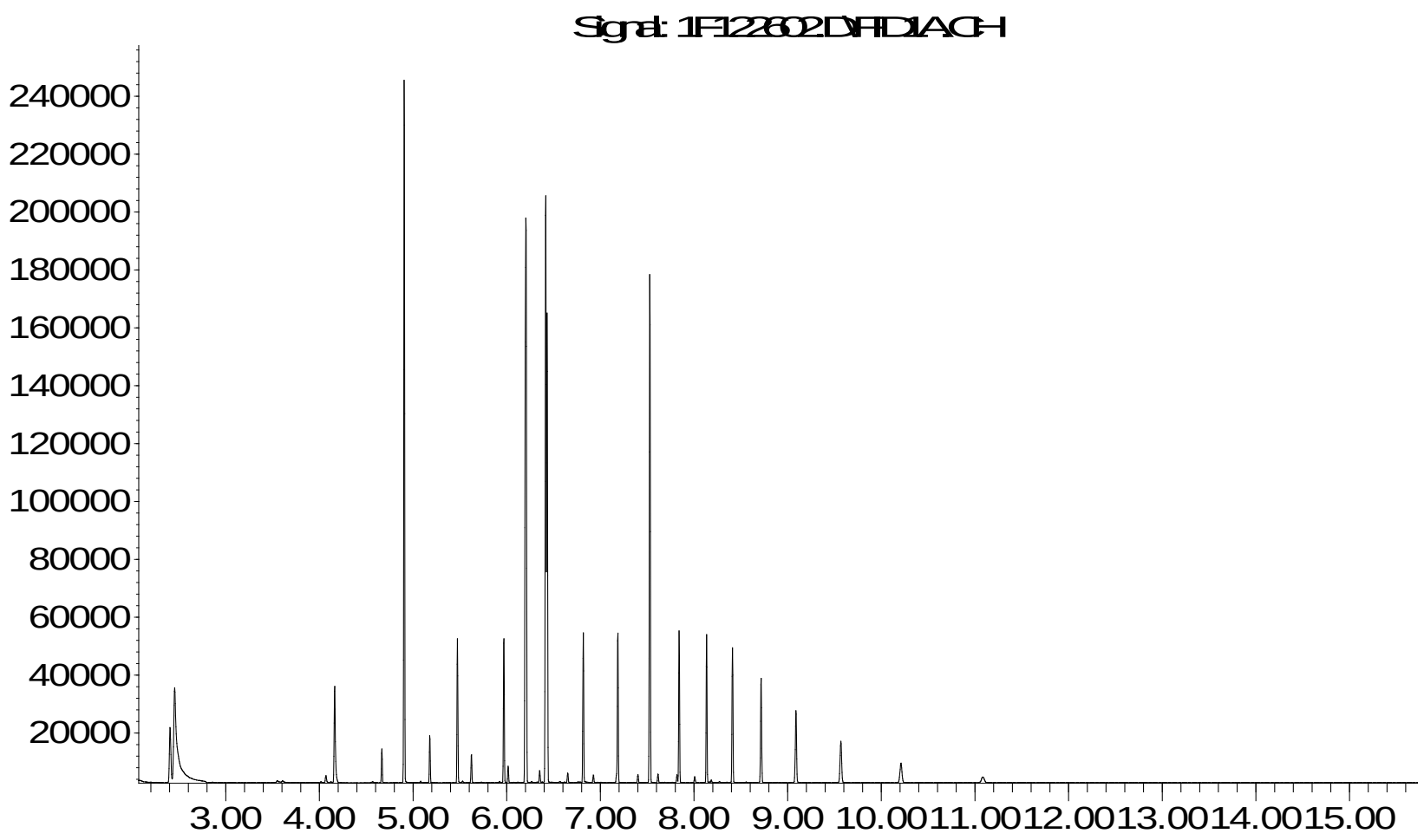
Apex Forensics

QC Sample: 9L26001-CCV
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



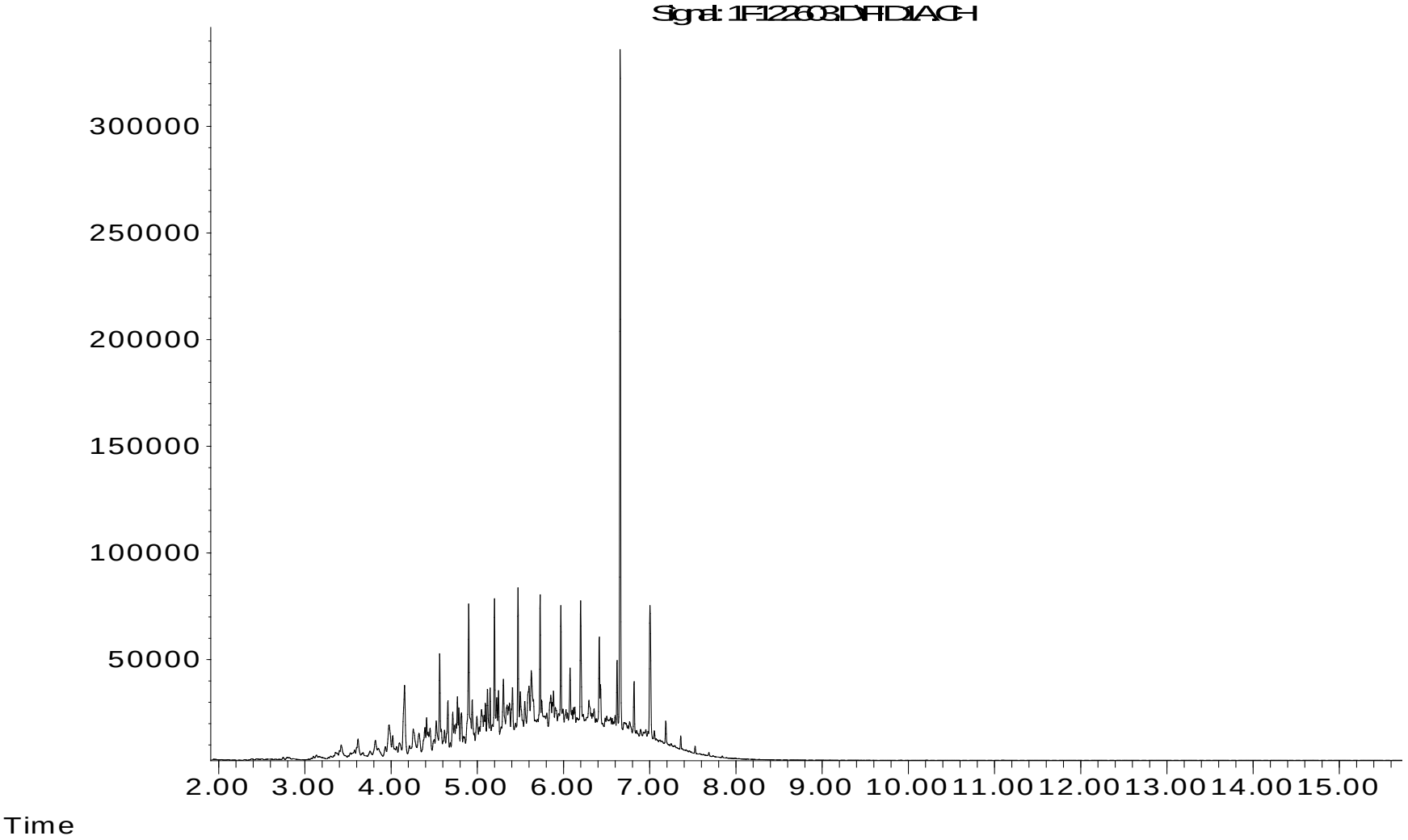
Apex Forensics

QC Sample: 9L26015-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



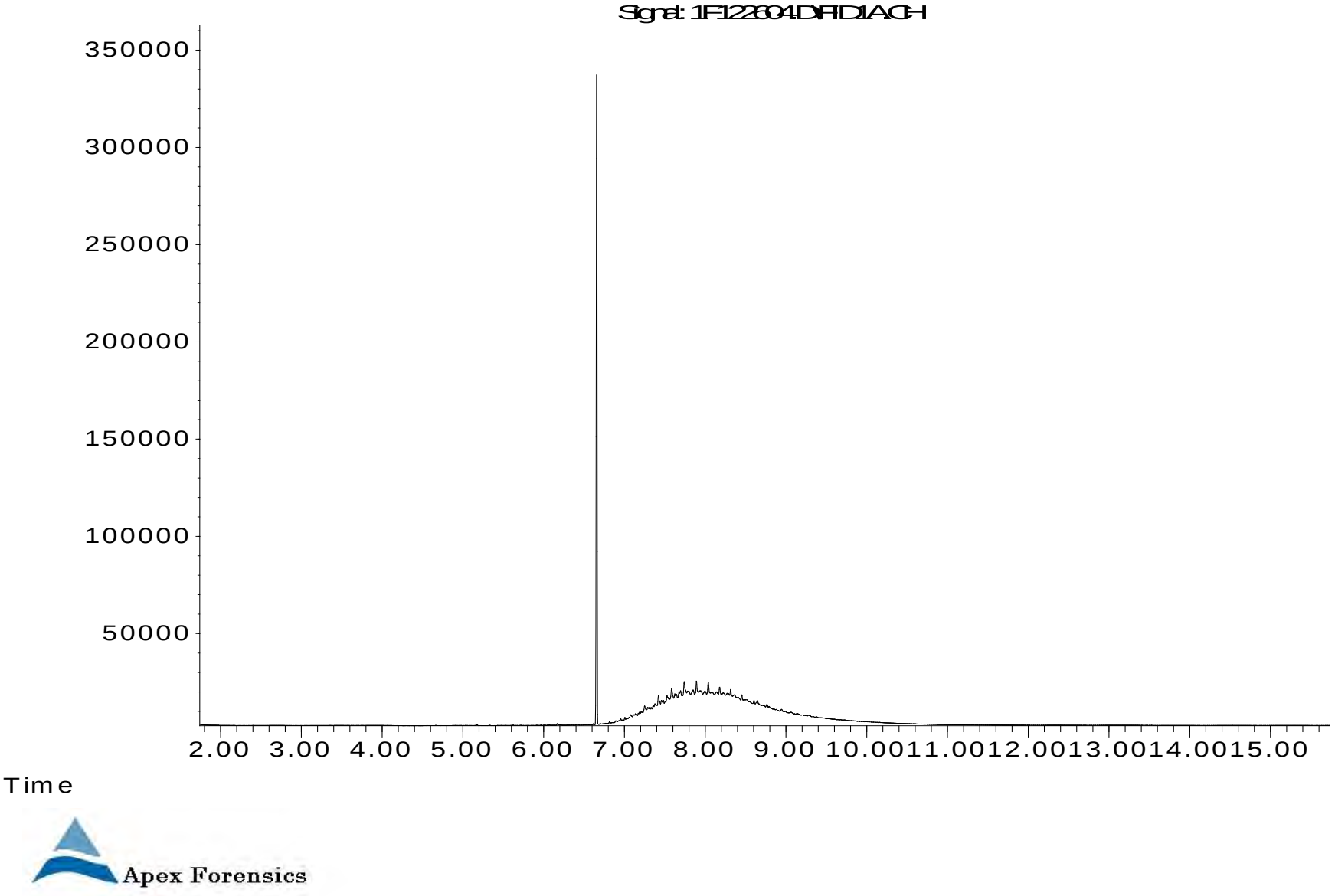
Apex Forensics

QC Sample: 9L26015-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



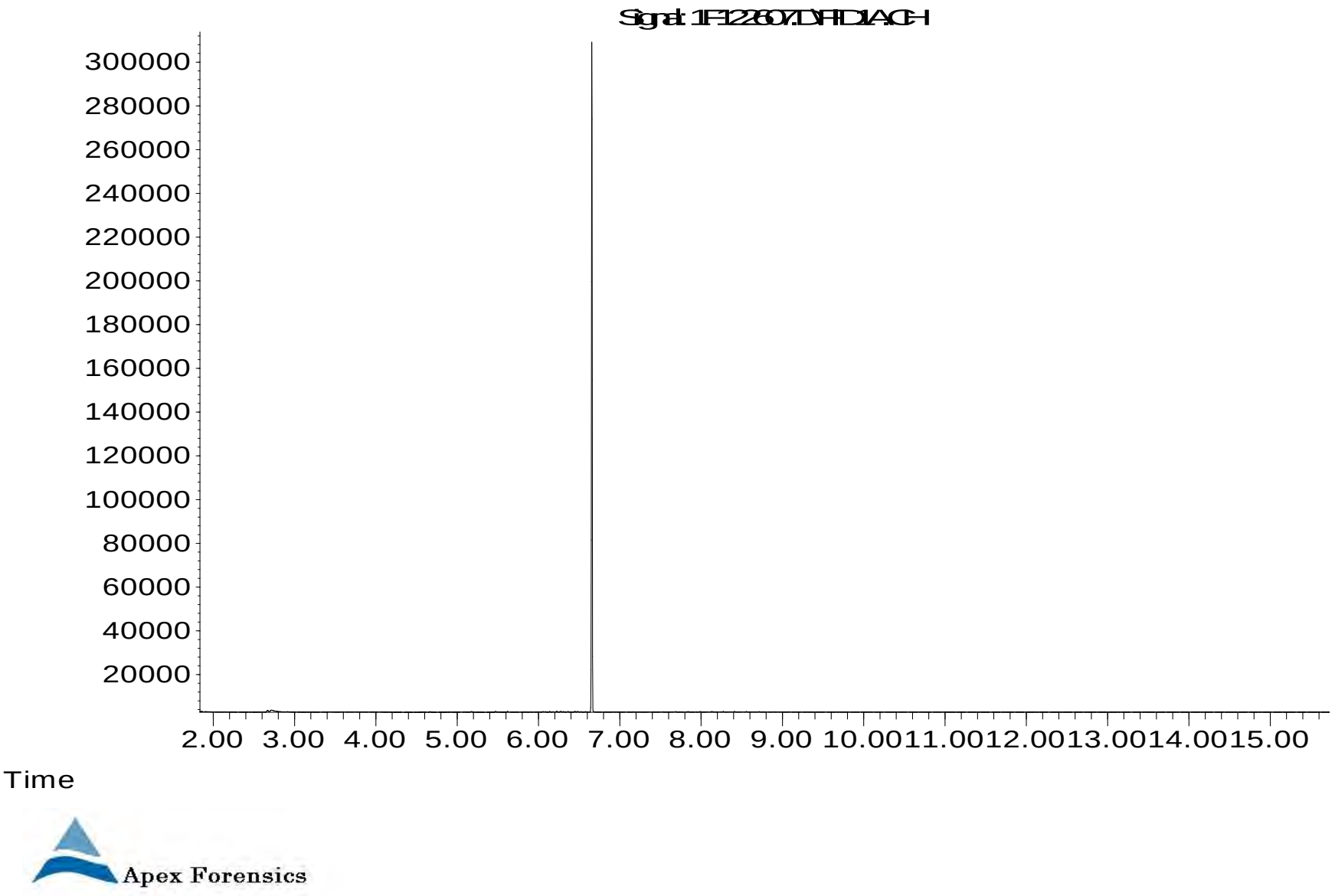
Apex Forensics

QC Sample: 9L26015-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



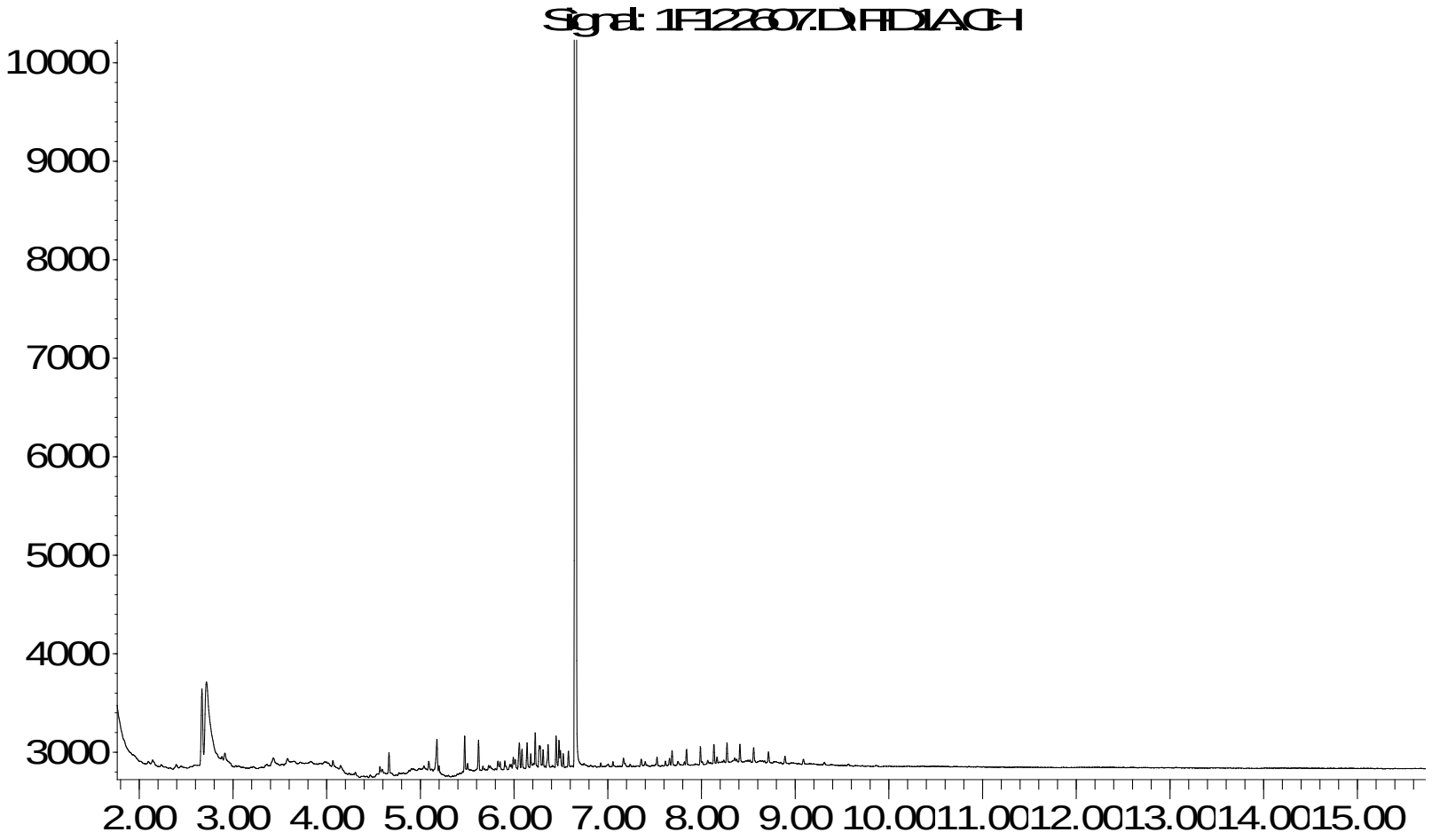
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



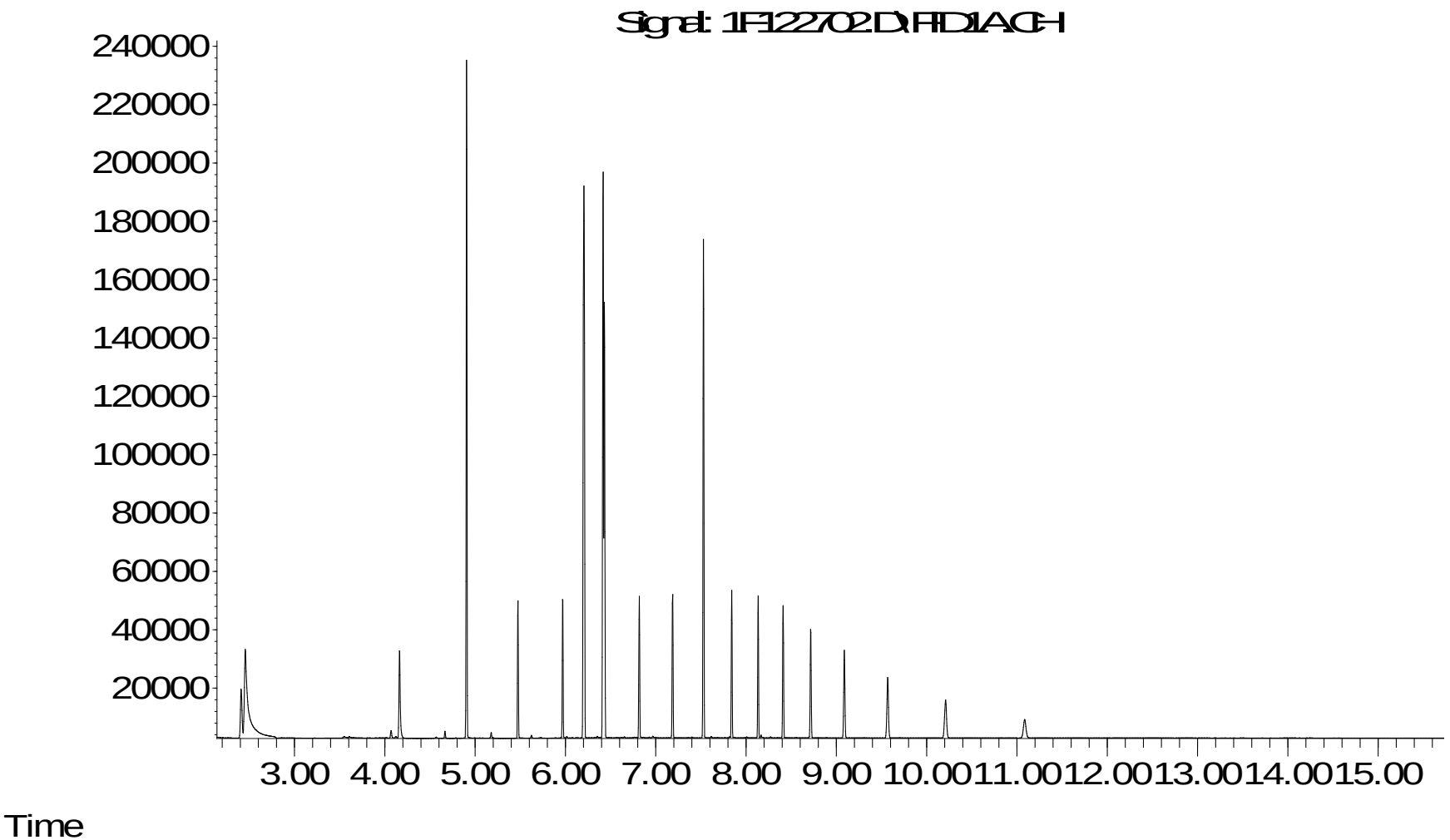
Apex Forensics

QC Sample: Method Blank DETAIL
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



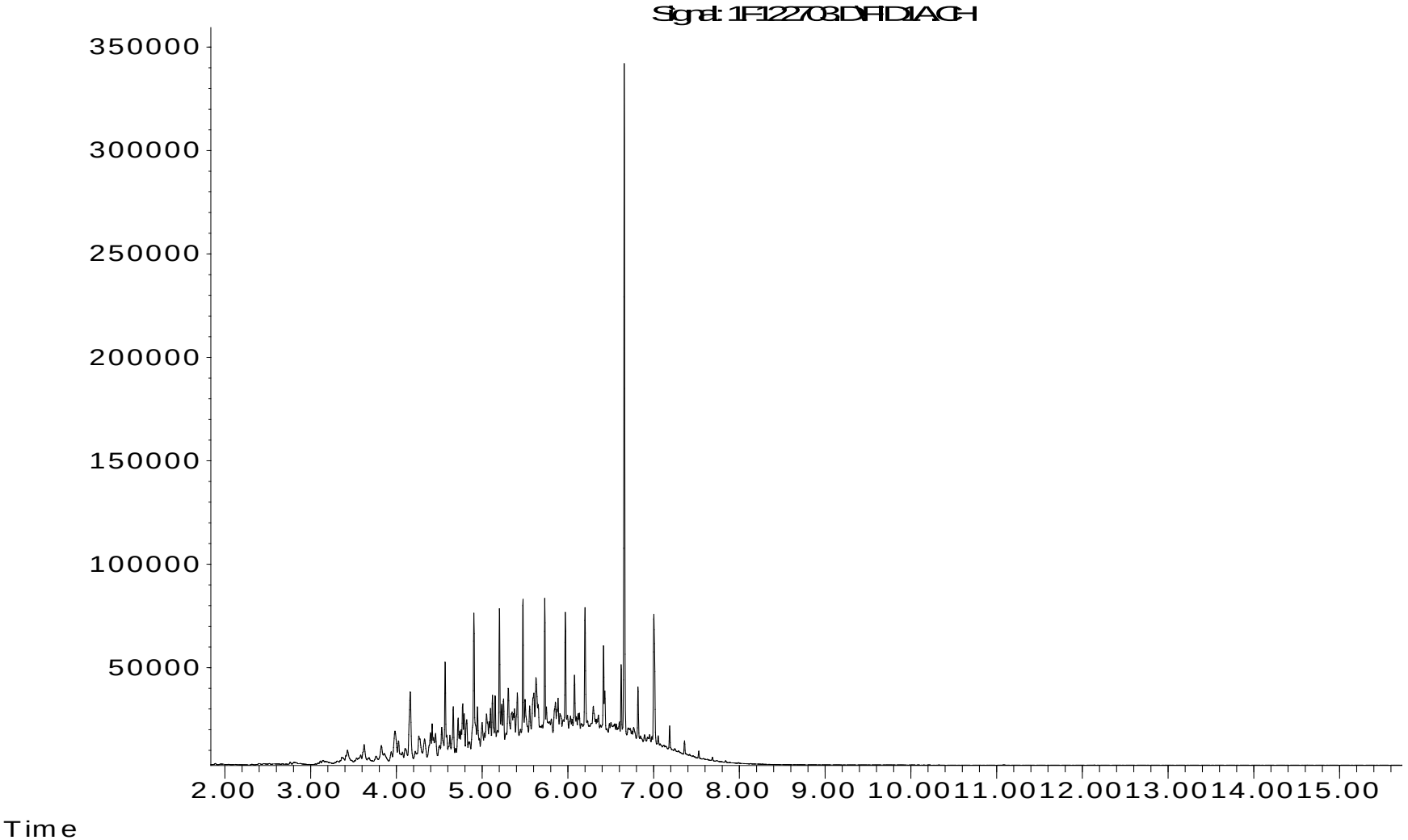
Apex Forensics

QC Sample: 9L27001-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



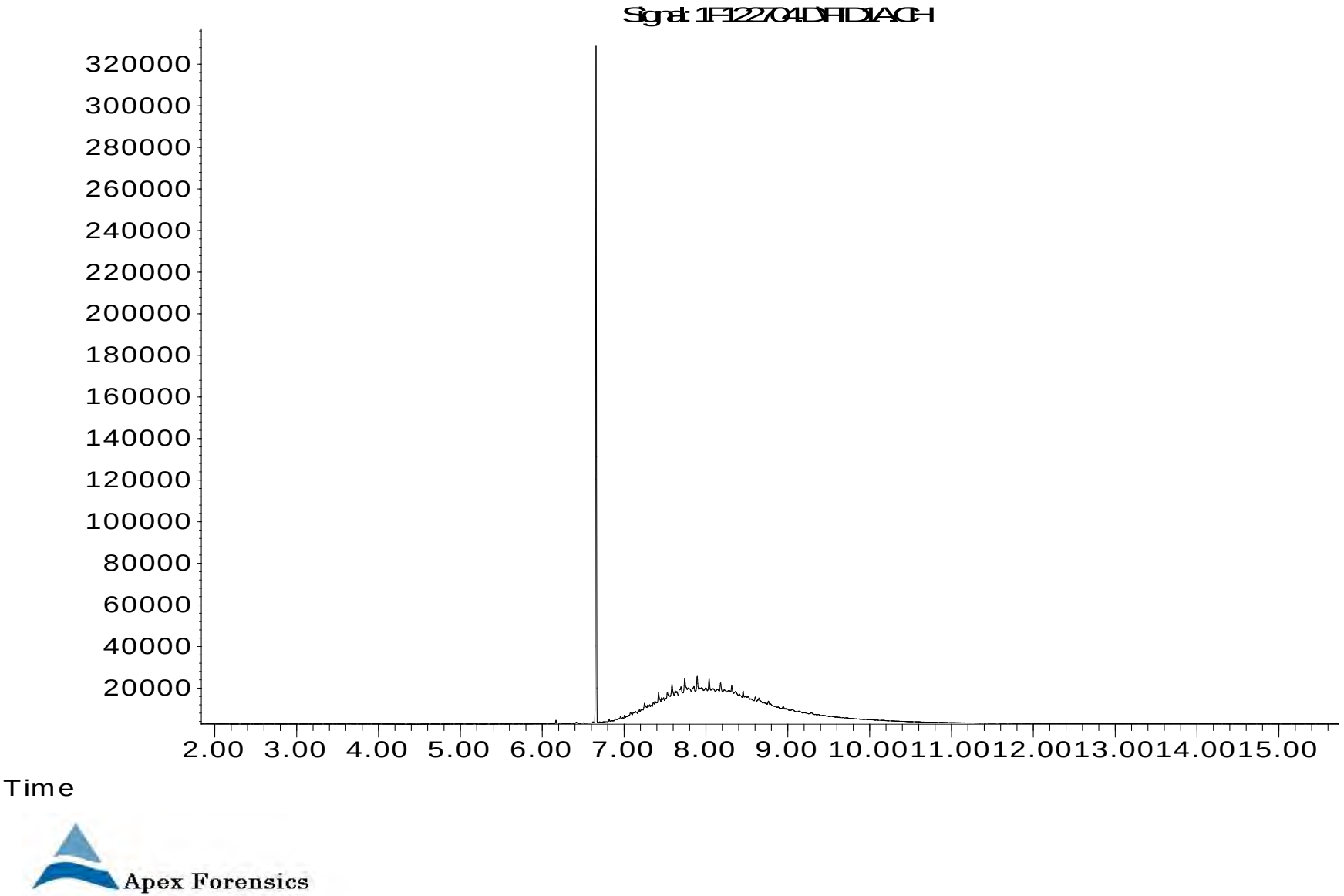
Apex Forensics

QC Sample: 9L27001-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



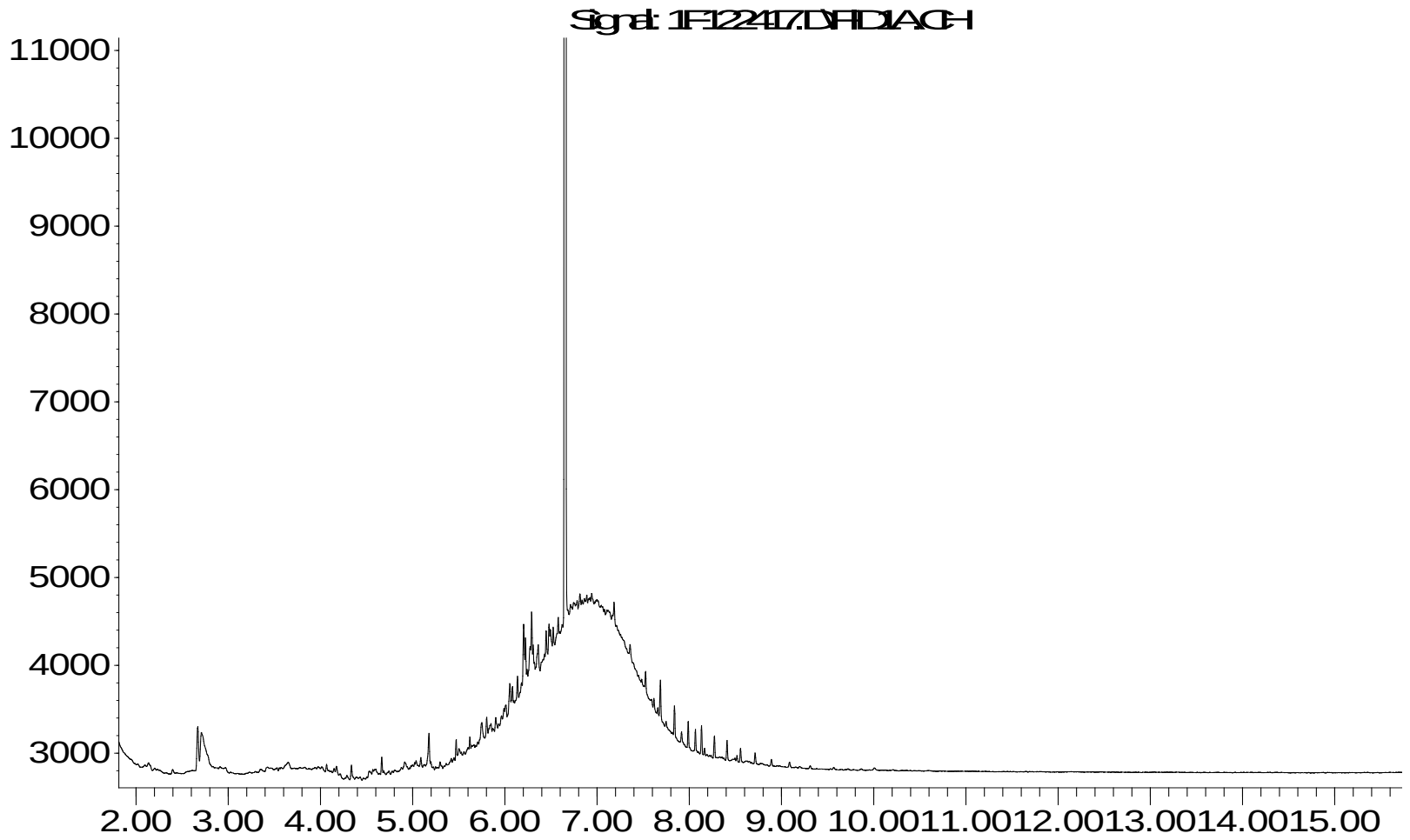
Apex Forensics

QC Sample: 9L27001-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



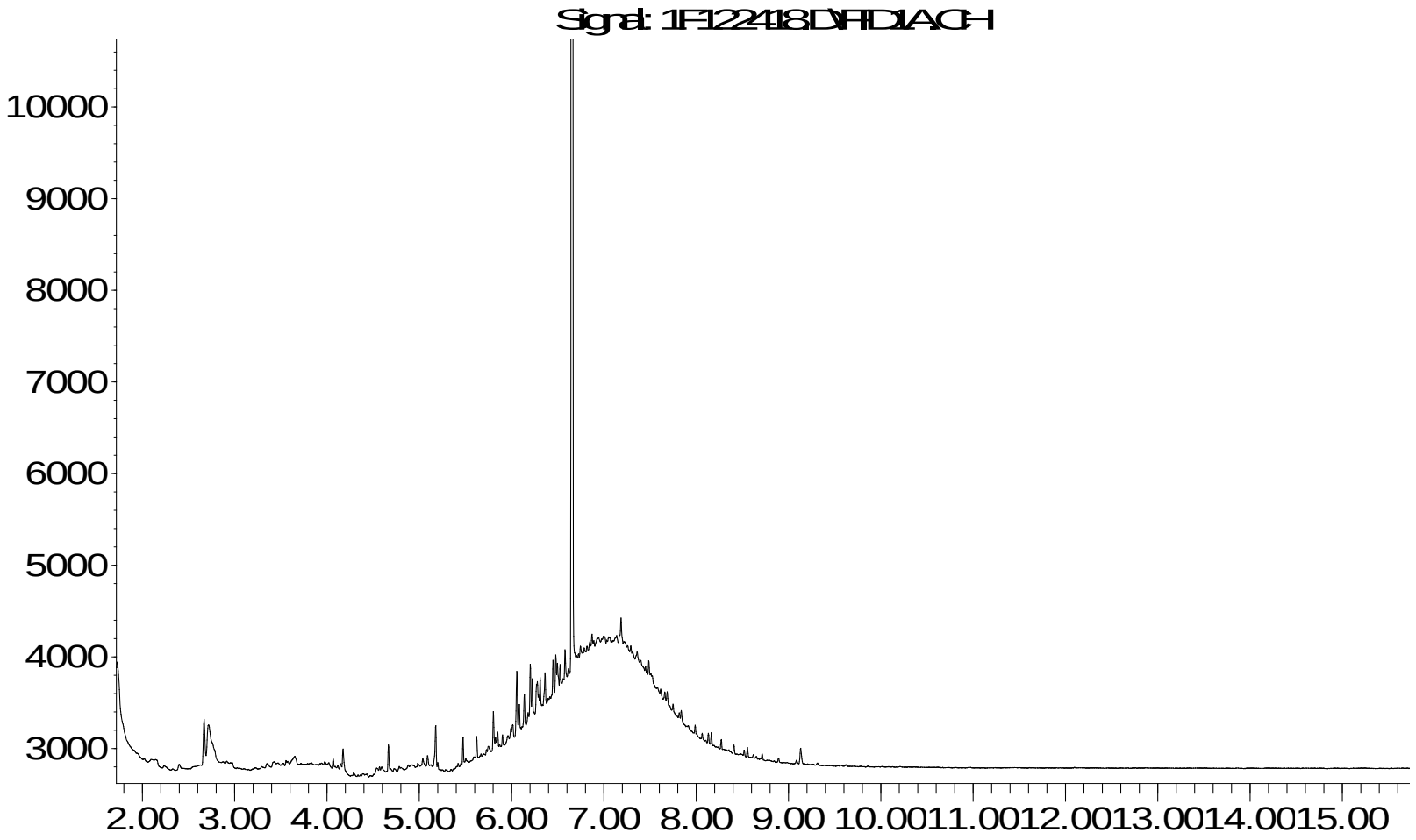
Apex Forensics

Water Sample: MW01S-W (A9L0812-01)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



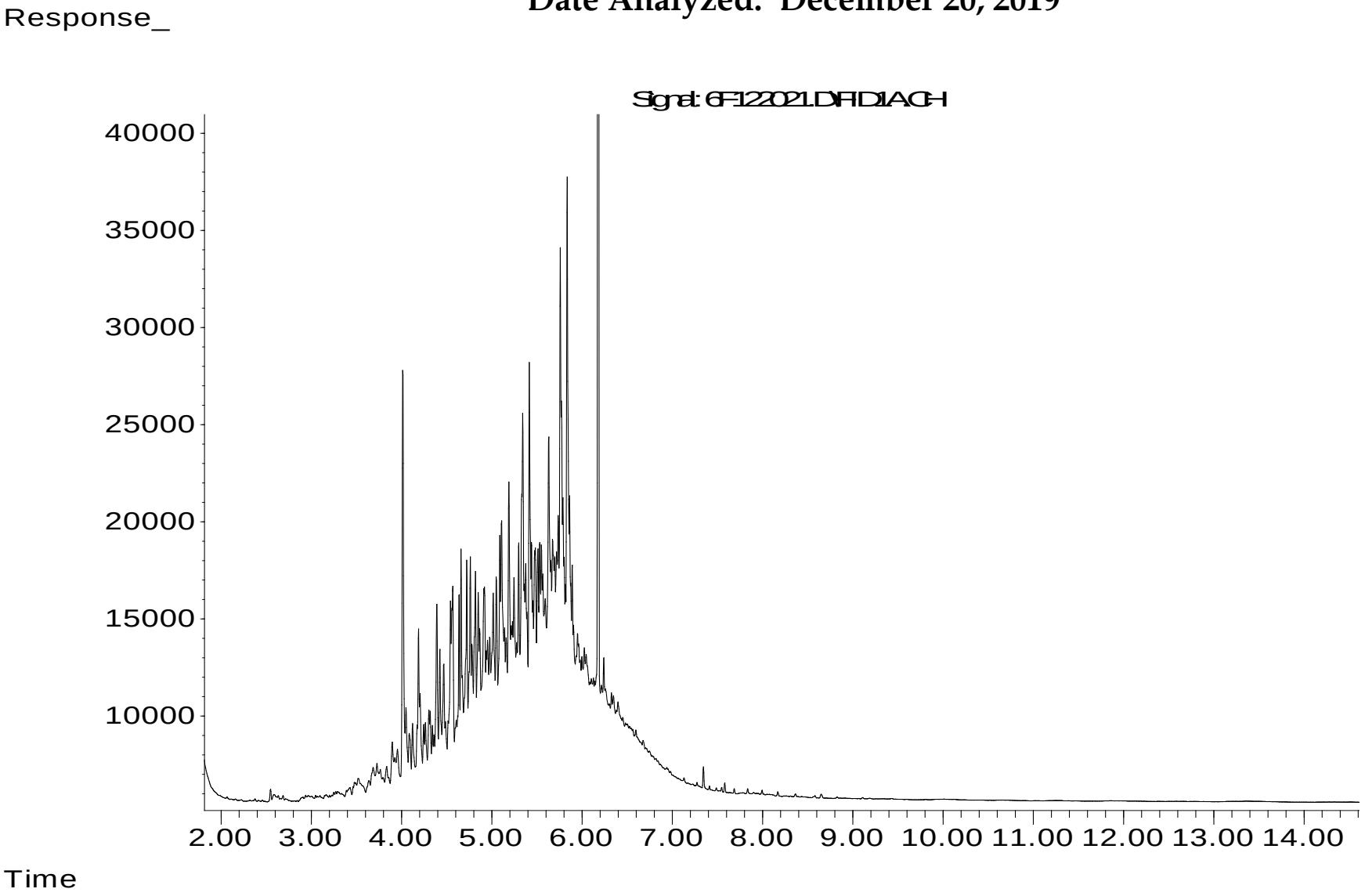
Apex Forensics

Water Sample: MW03S-W (A9L0812-02)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



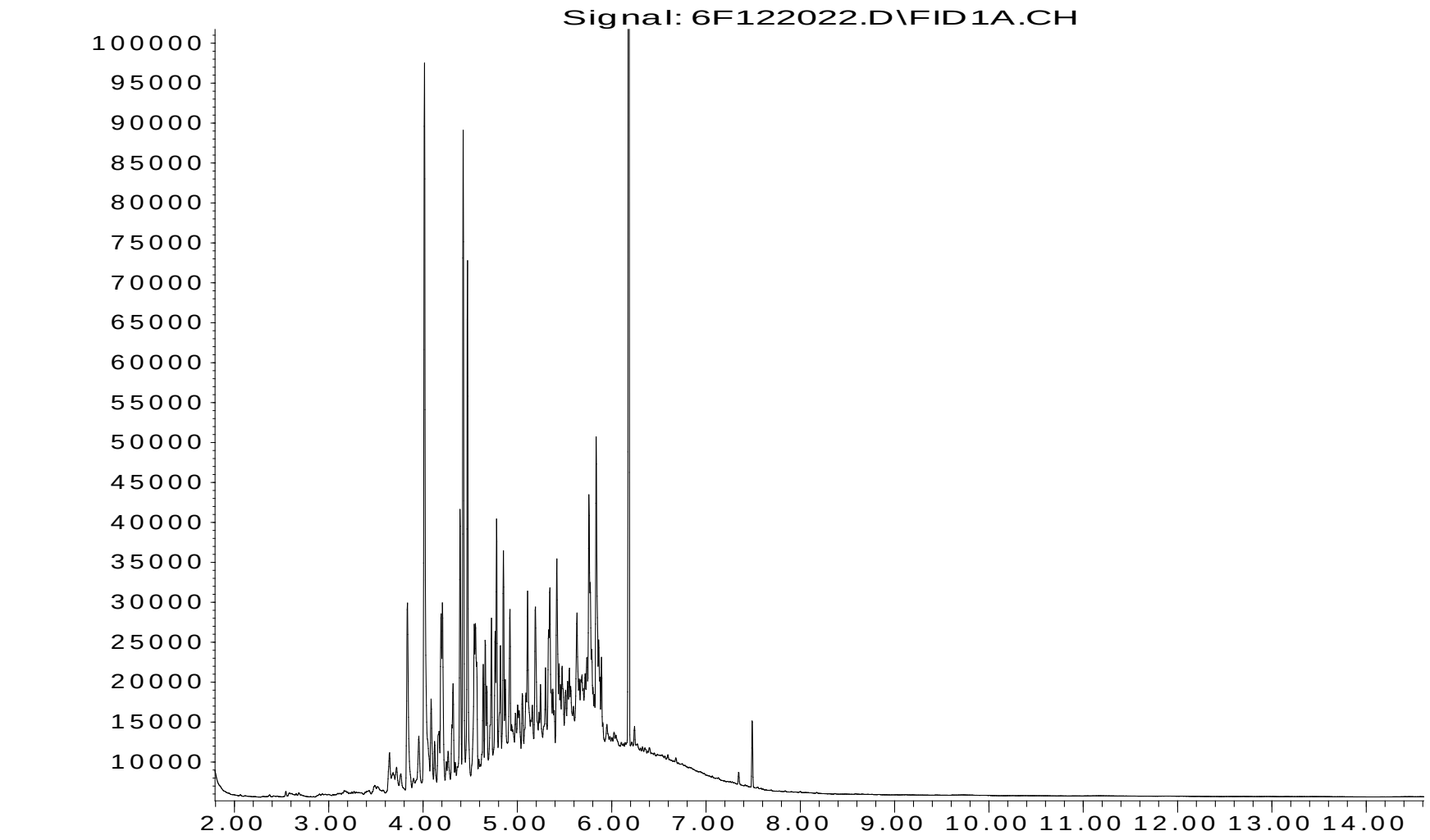
Apex Forensics

Water Sample: MW06-W (A9L0812-03)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



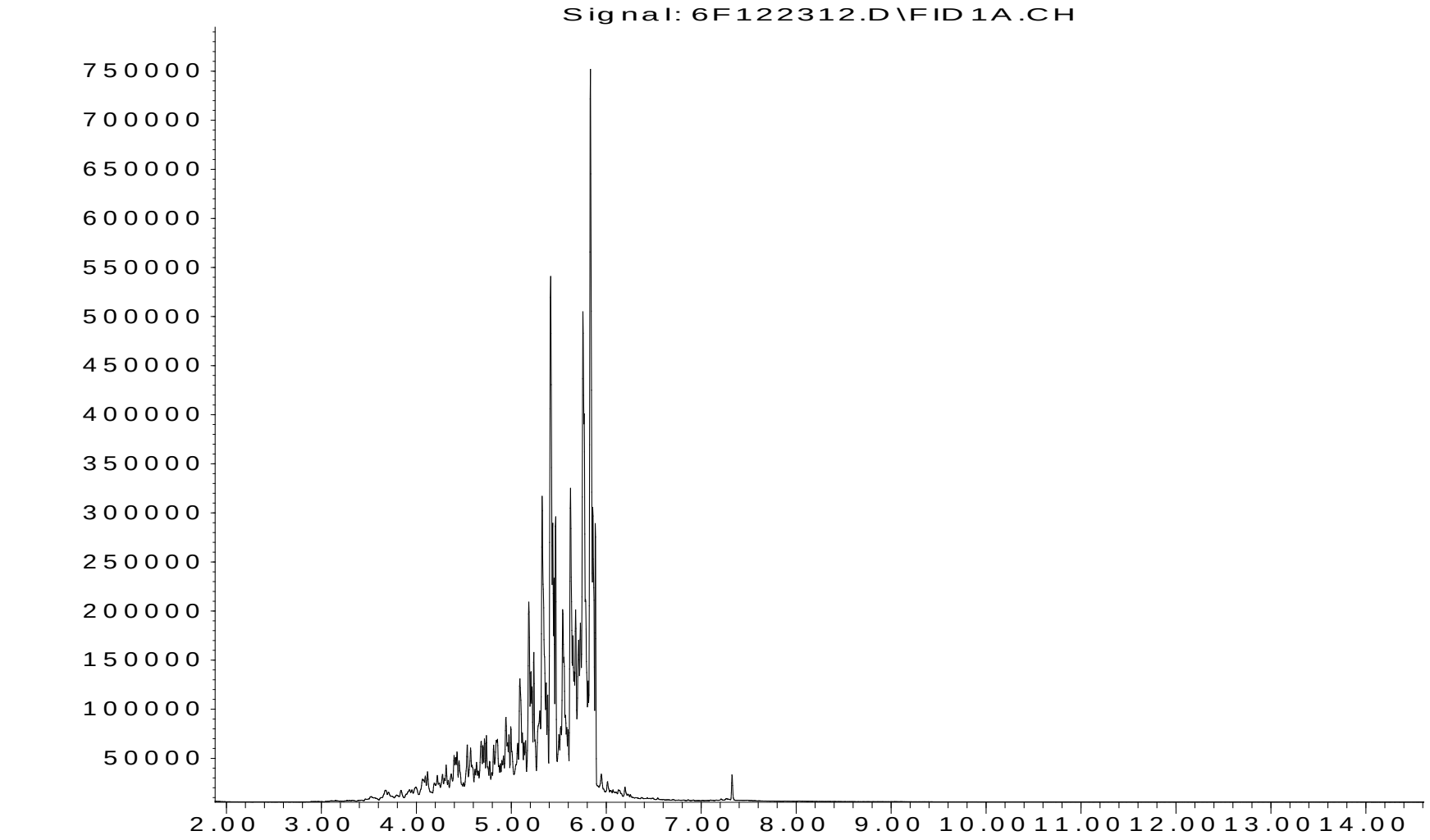
Apex Forensics

Water Sample: MW08-W (A9L0812-04)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



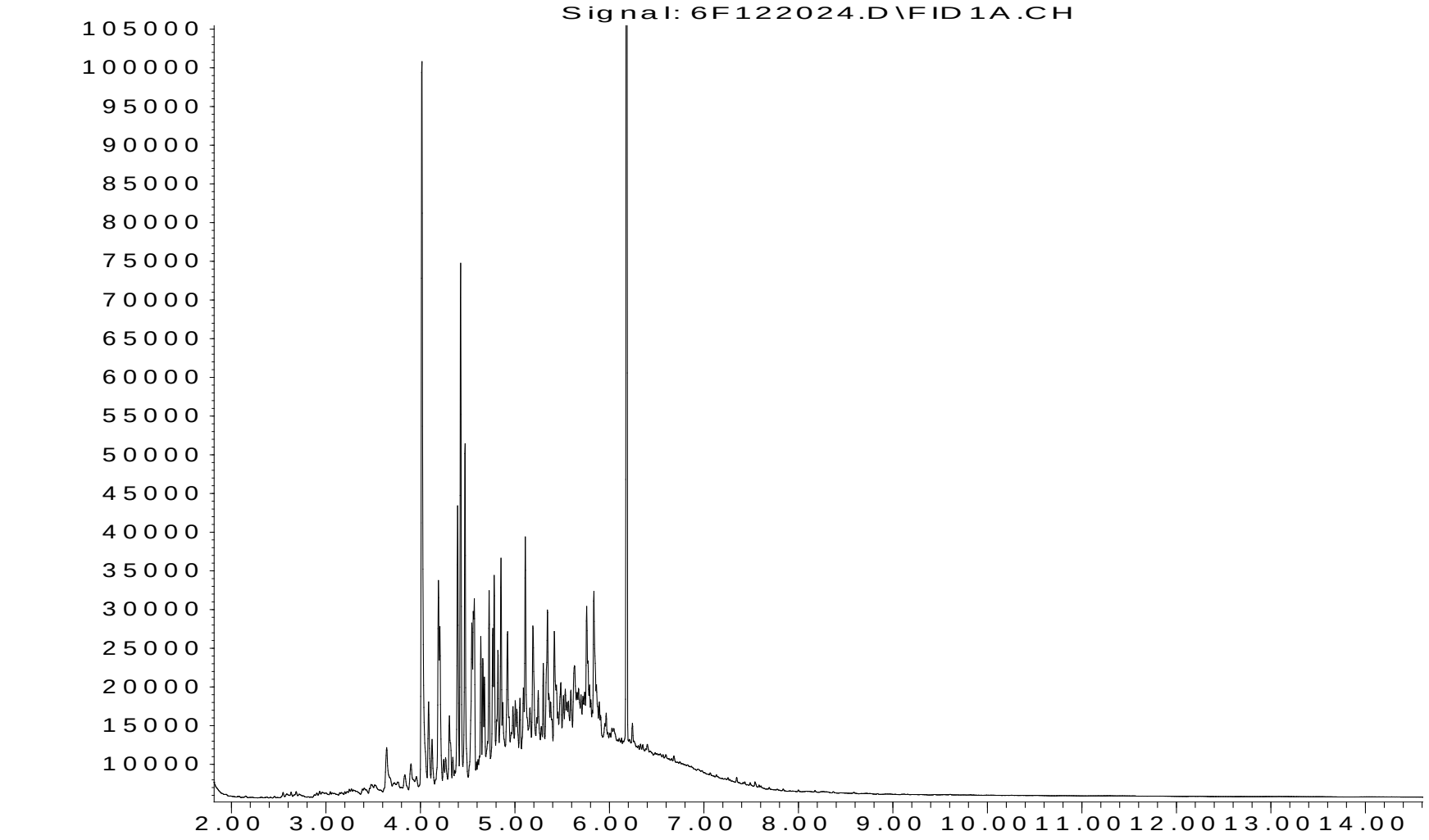
Apex Forensics

Water Sample: MW09R-W (A9L0812-05)@200
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 23, 2019



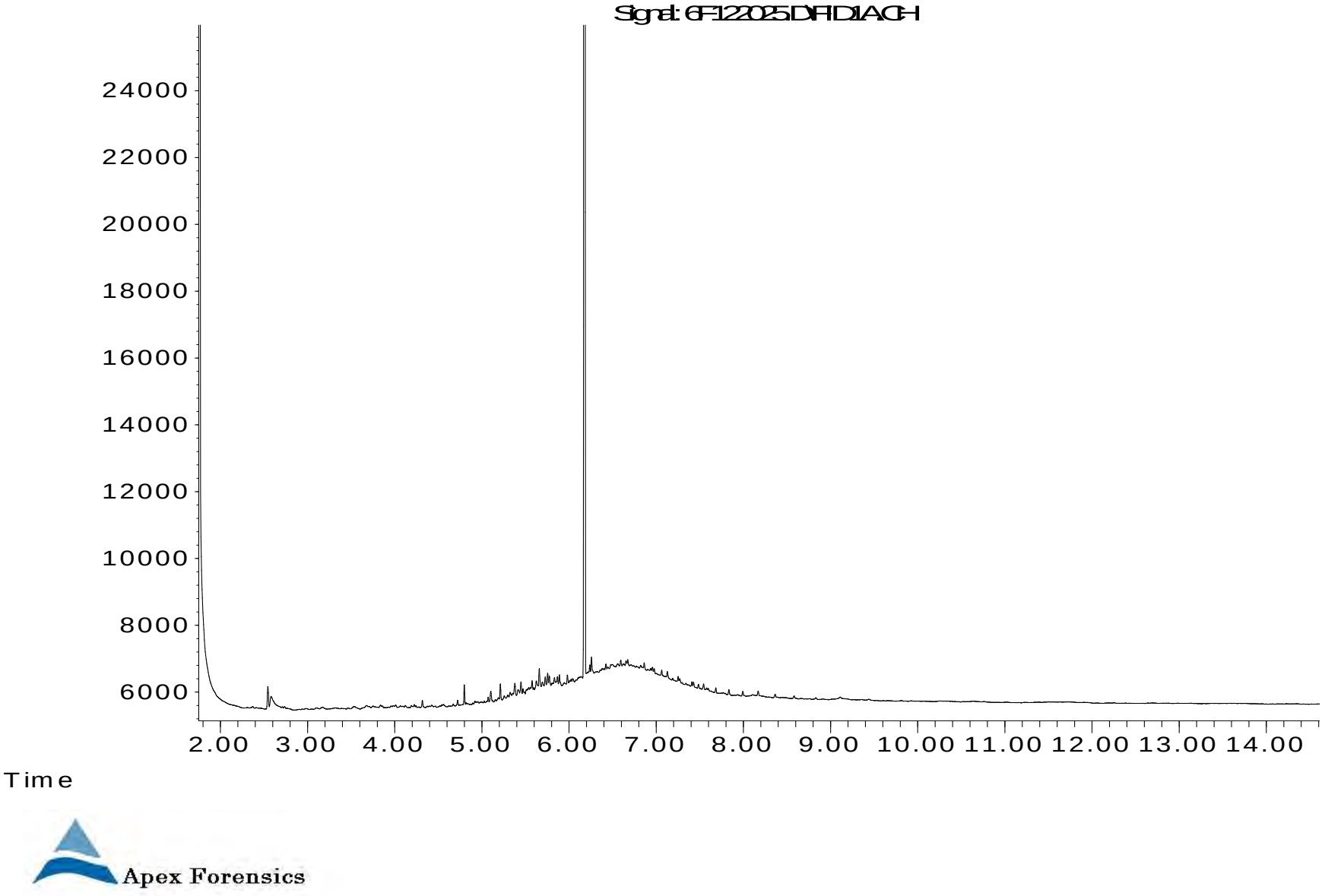
Apex Forensics

Water Sample: MW11-W (A9L0812-06)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



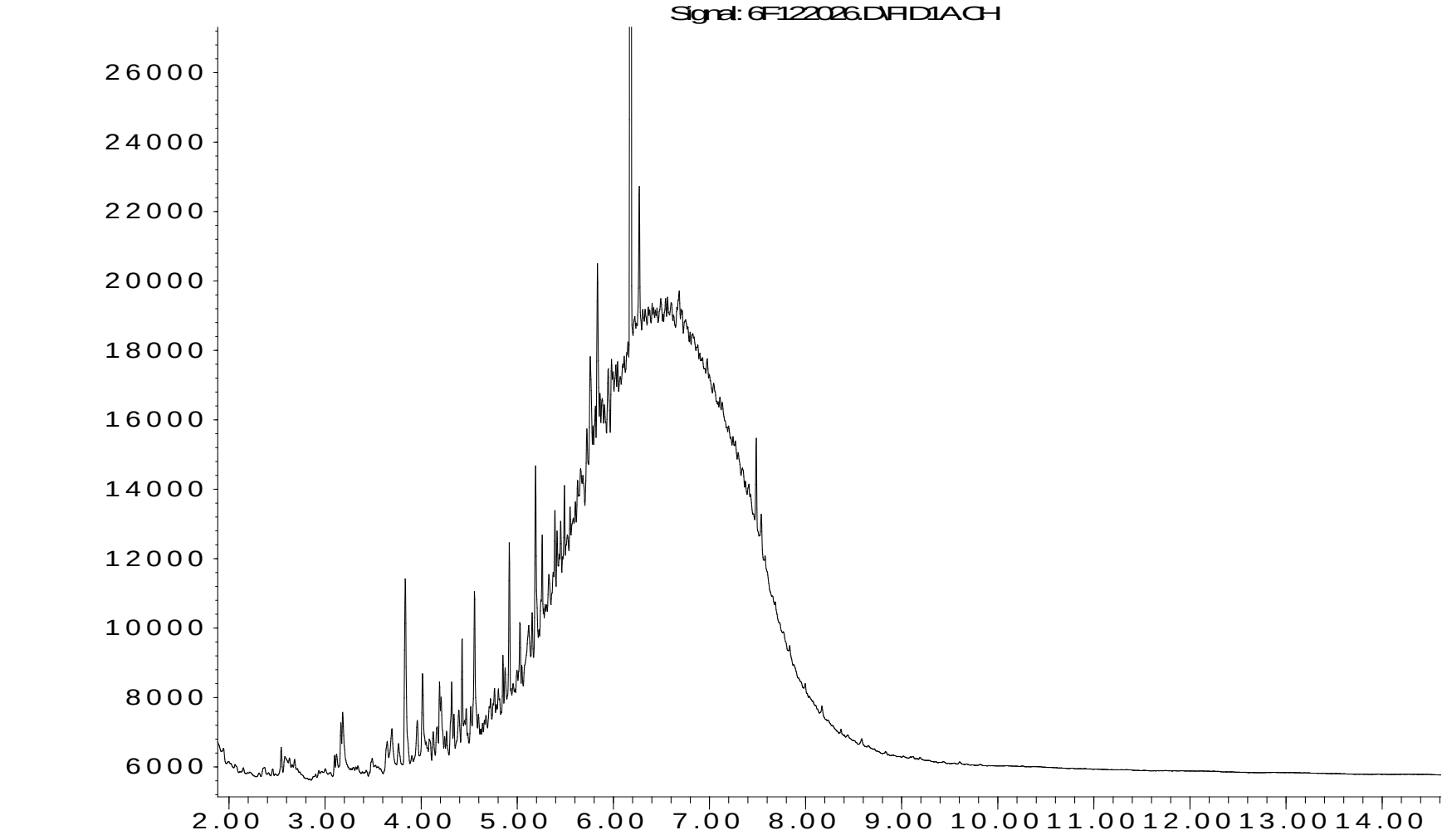
Apex Forensics

Water Sample: MW12-W (A9L0812-07)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



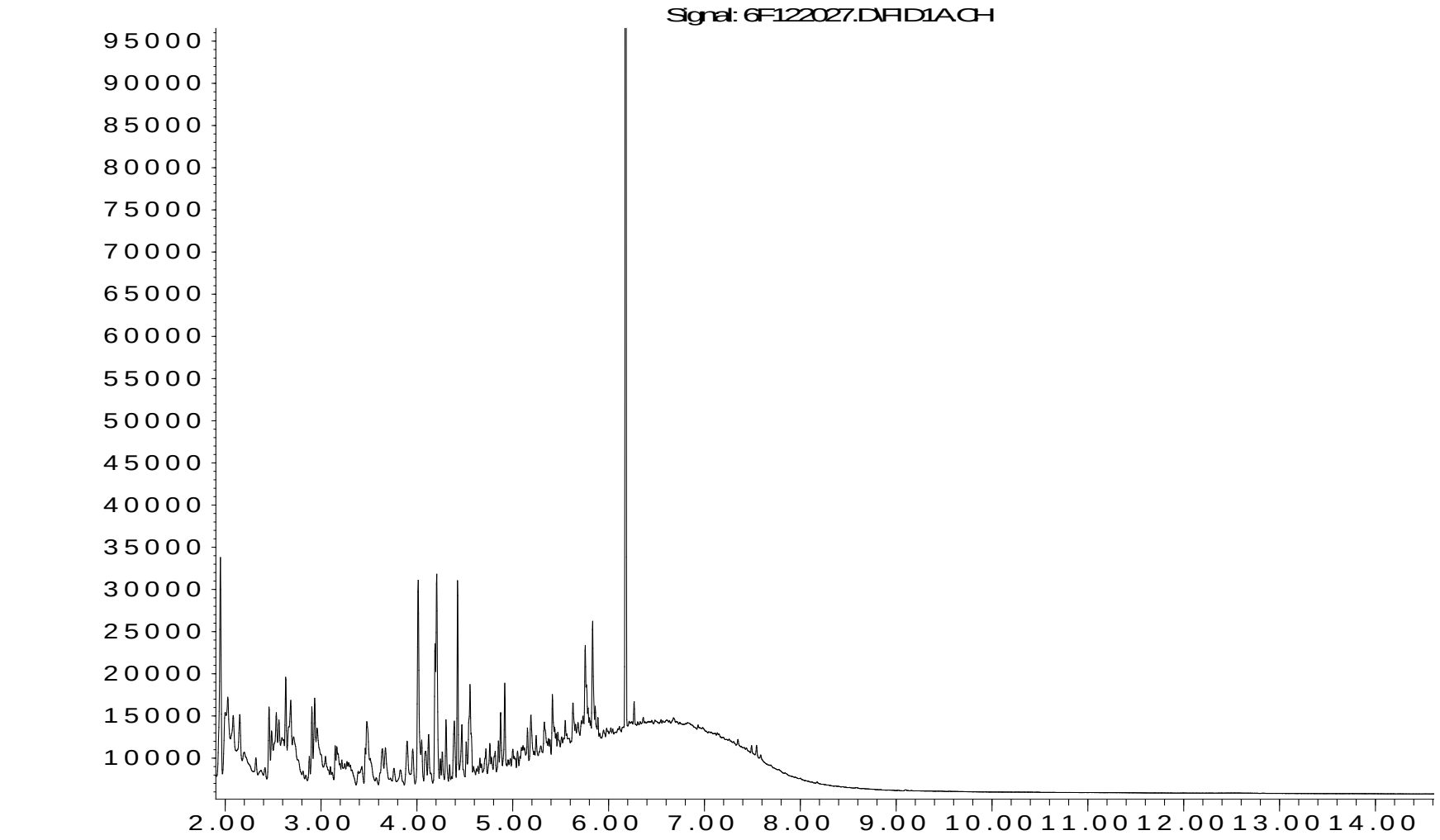
Apex Forensics

Water Sample: MW13R-W (A9L0812-08)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



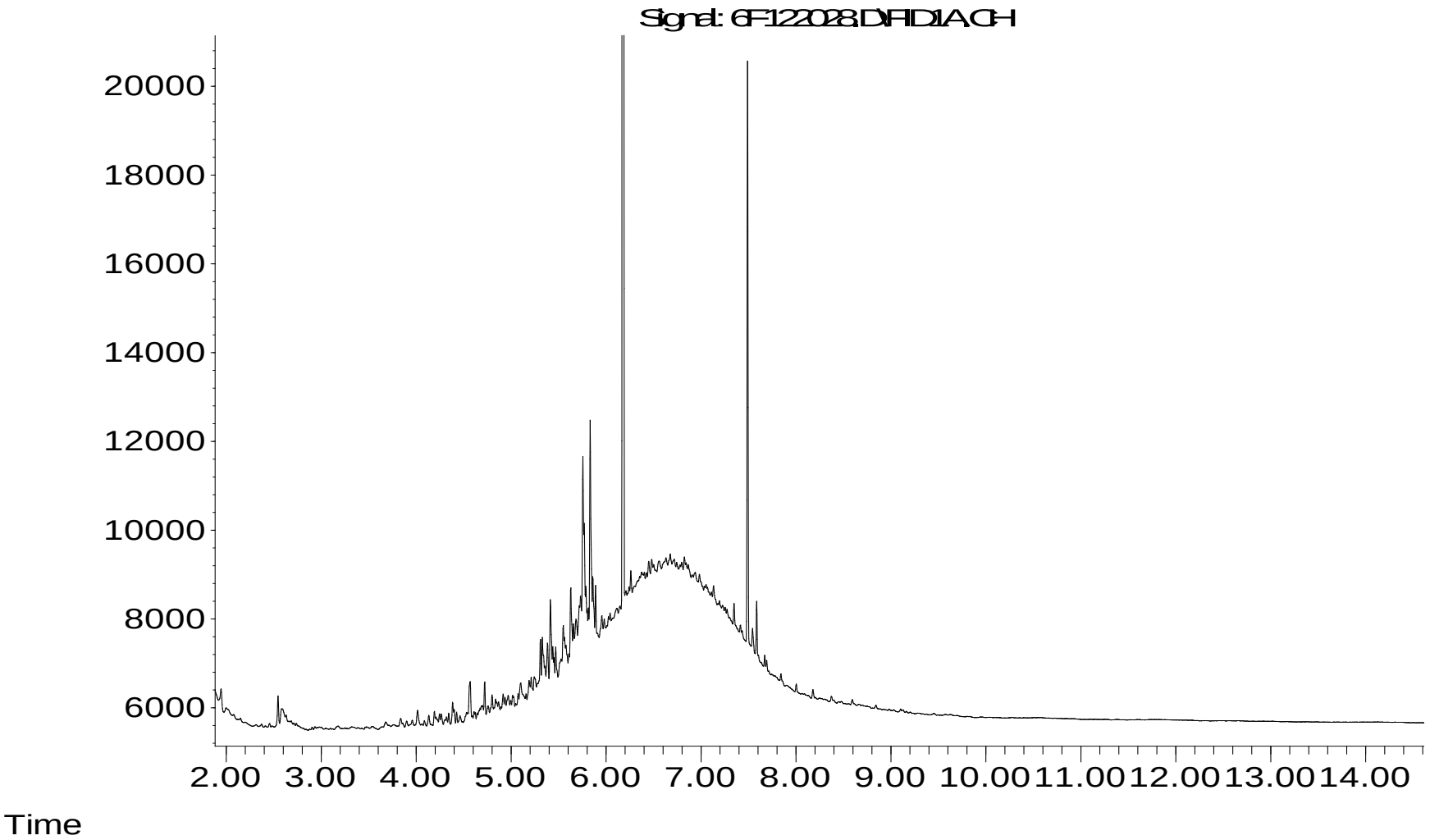
Apex Forensics

Water Sample: MW14-W (A9L0812-09)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



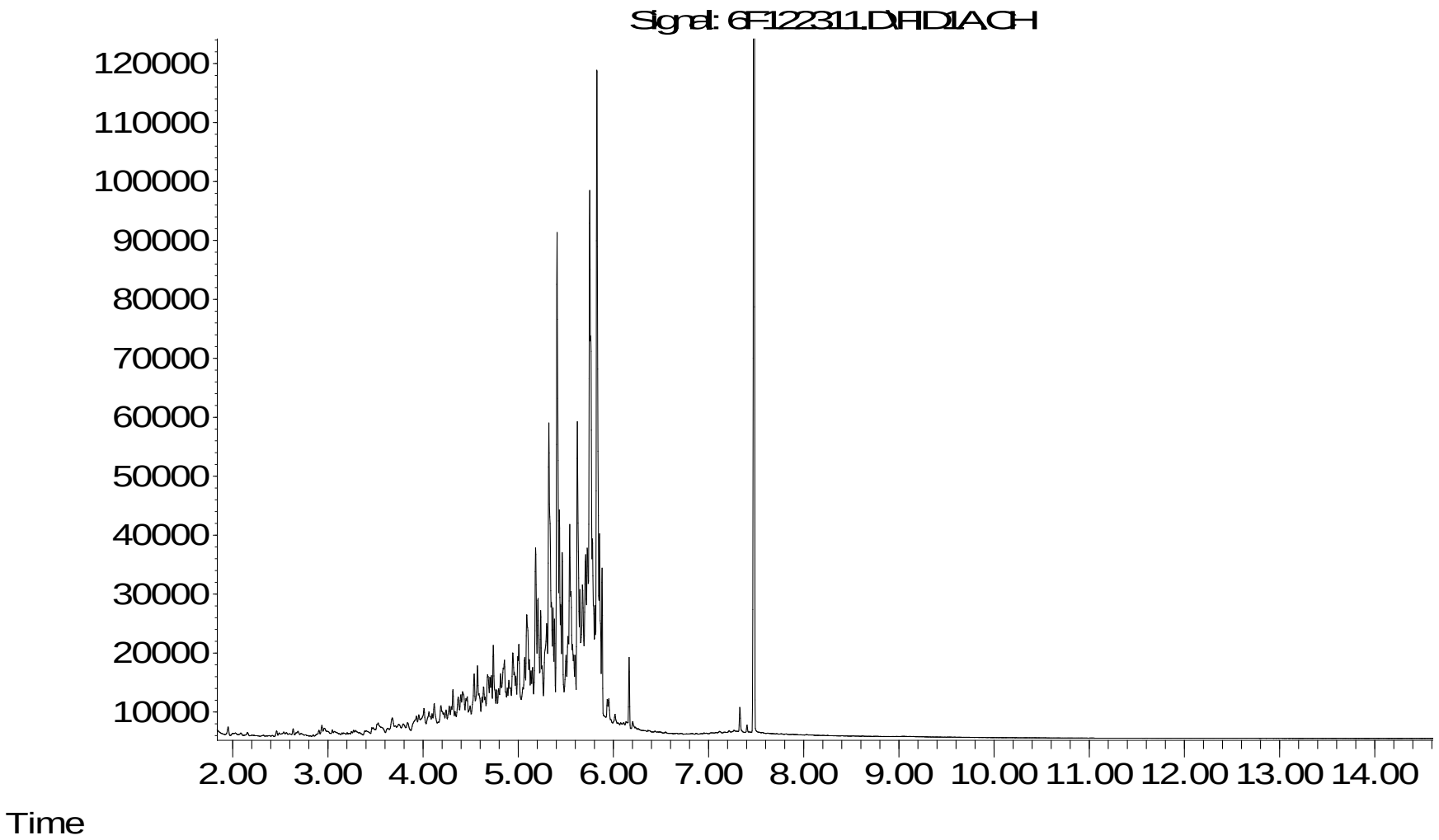
Apex Forensics

Water Sample: MW16-W (A9L0812-10)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



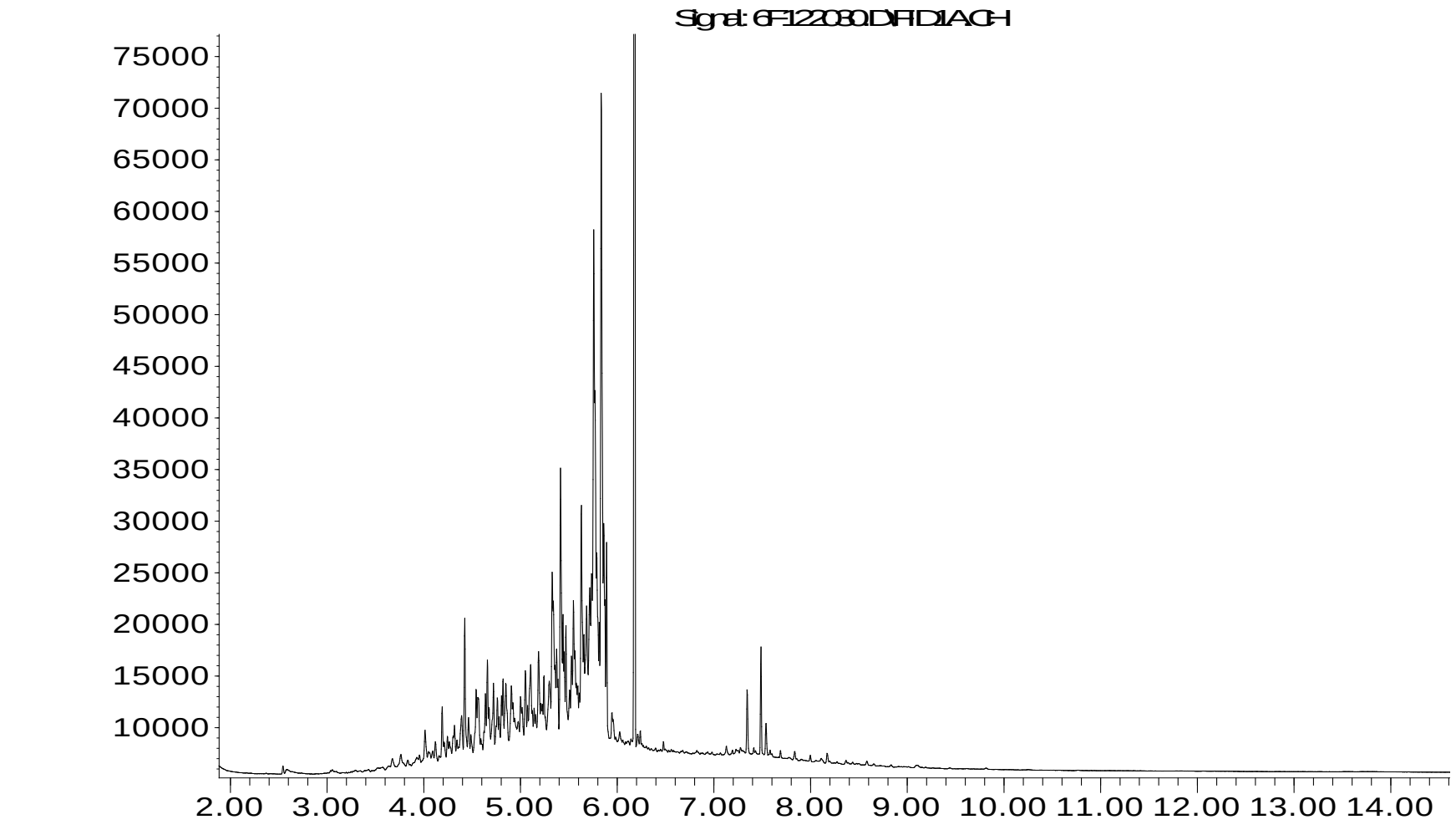
Apex Forensics

Water Sample: MW17-W (A9L0812-11)@20
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 23, 2019



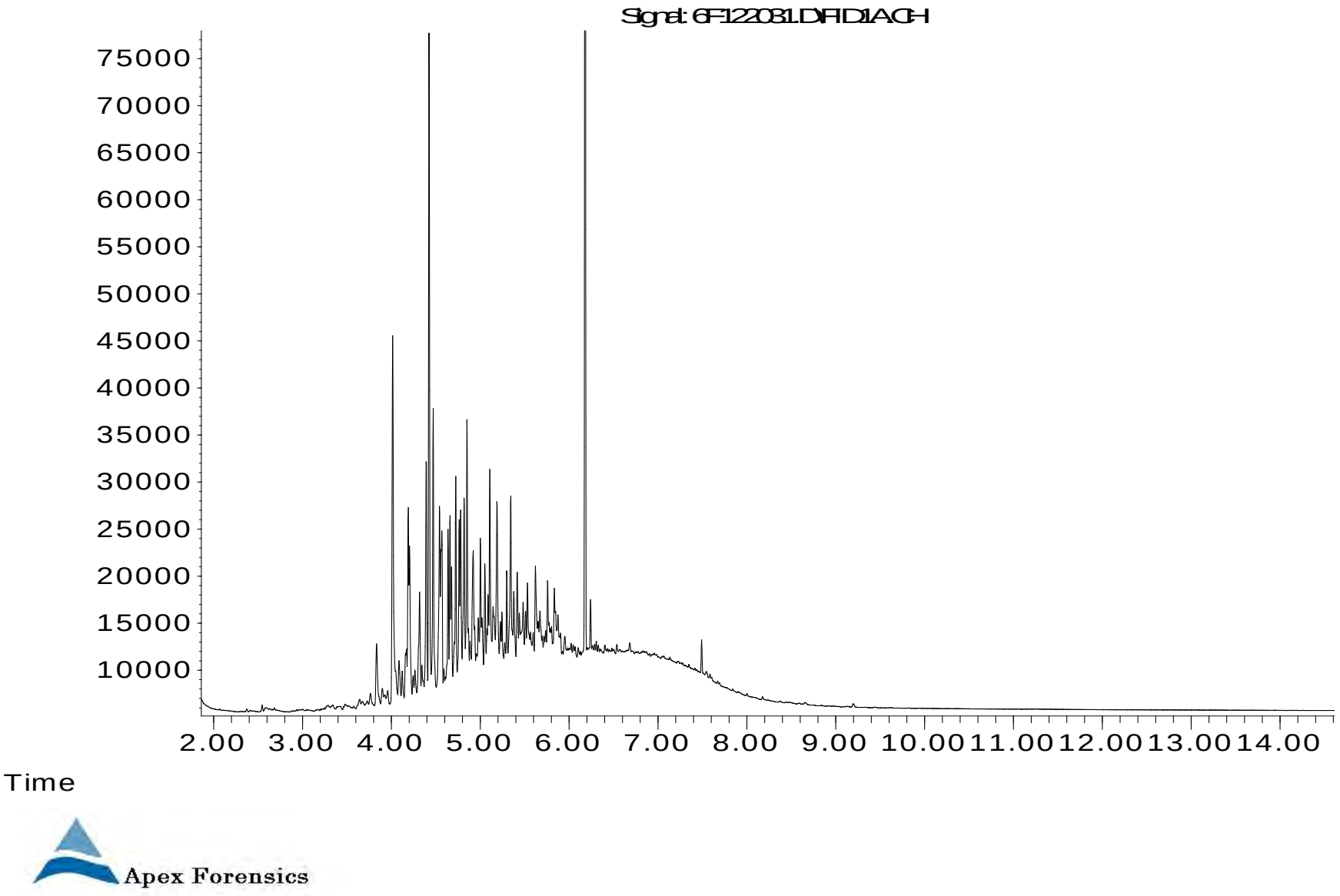
Apex Forensics

Water Sample: MW19-W (A9L0812-12)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



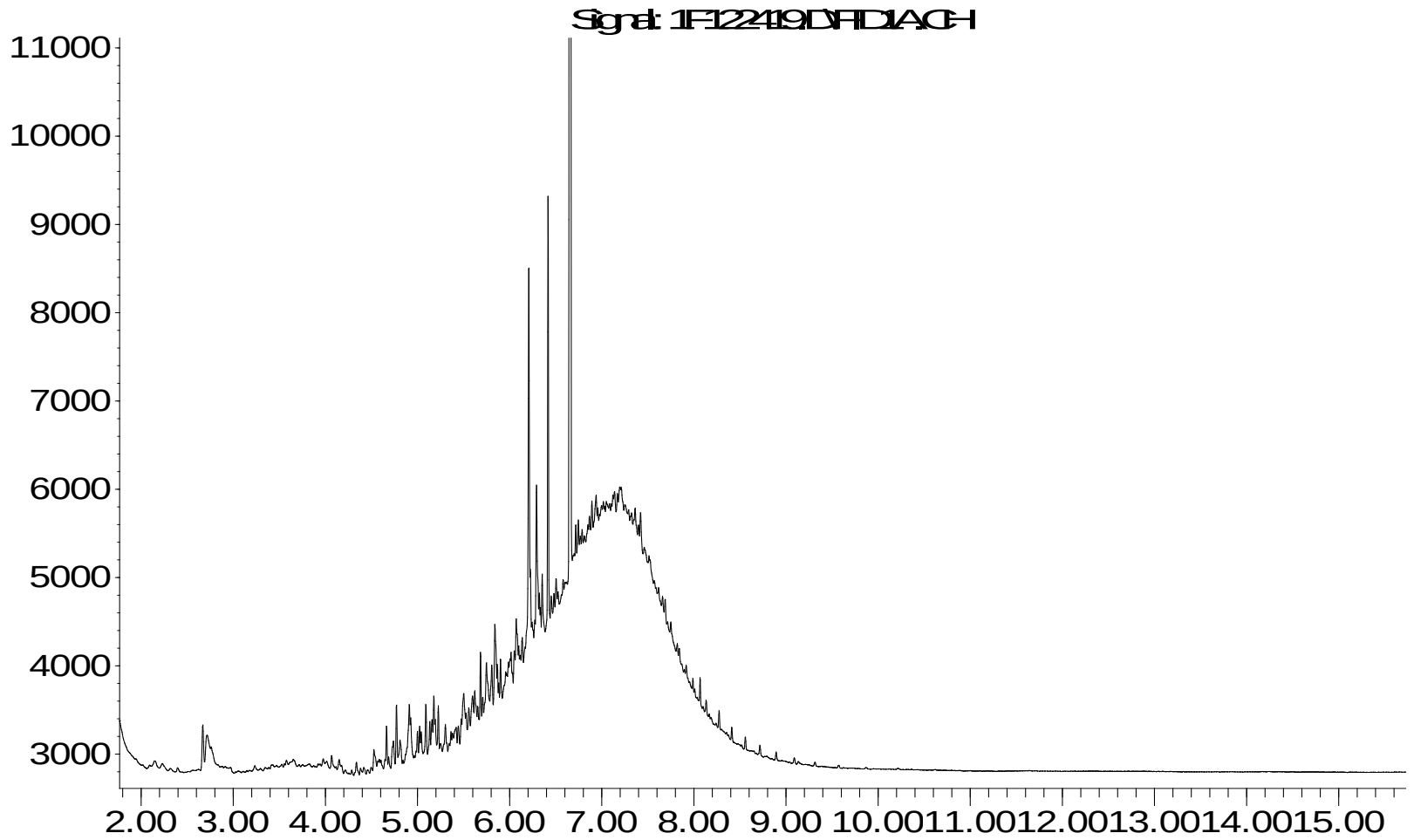
Apex Forensics

Water Sample: MW20-W (A9L0812-13)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



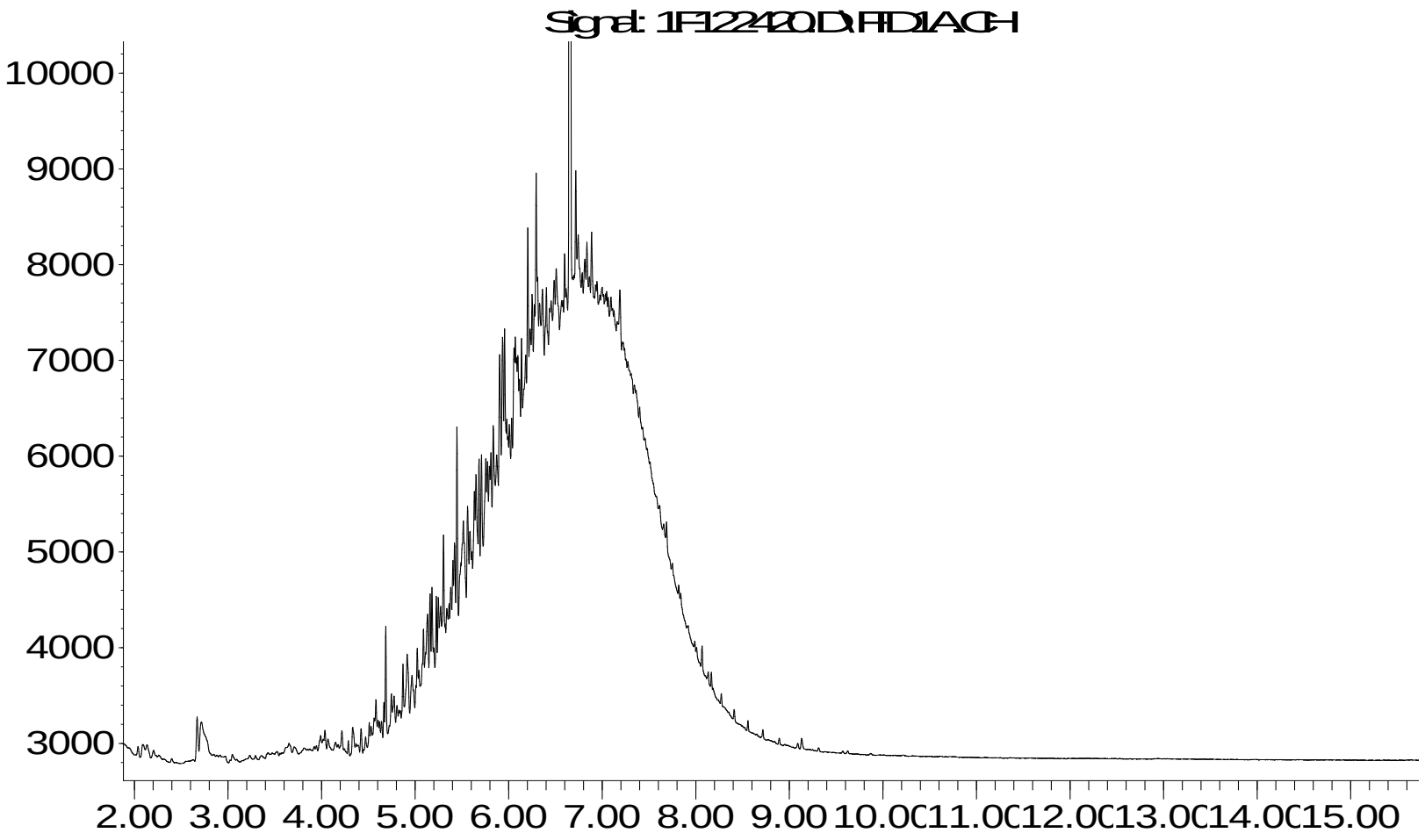
Apex Forensics

Water Sample: MW21-W (A9L0812-14)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



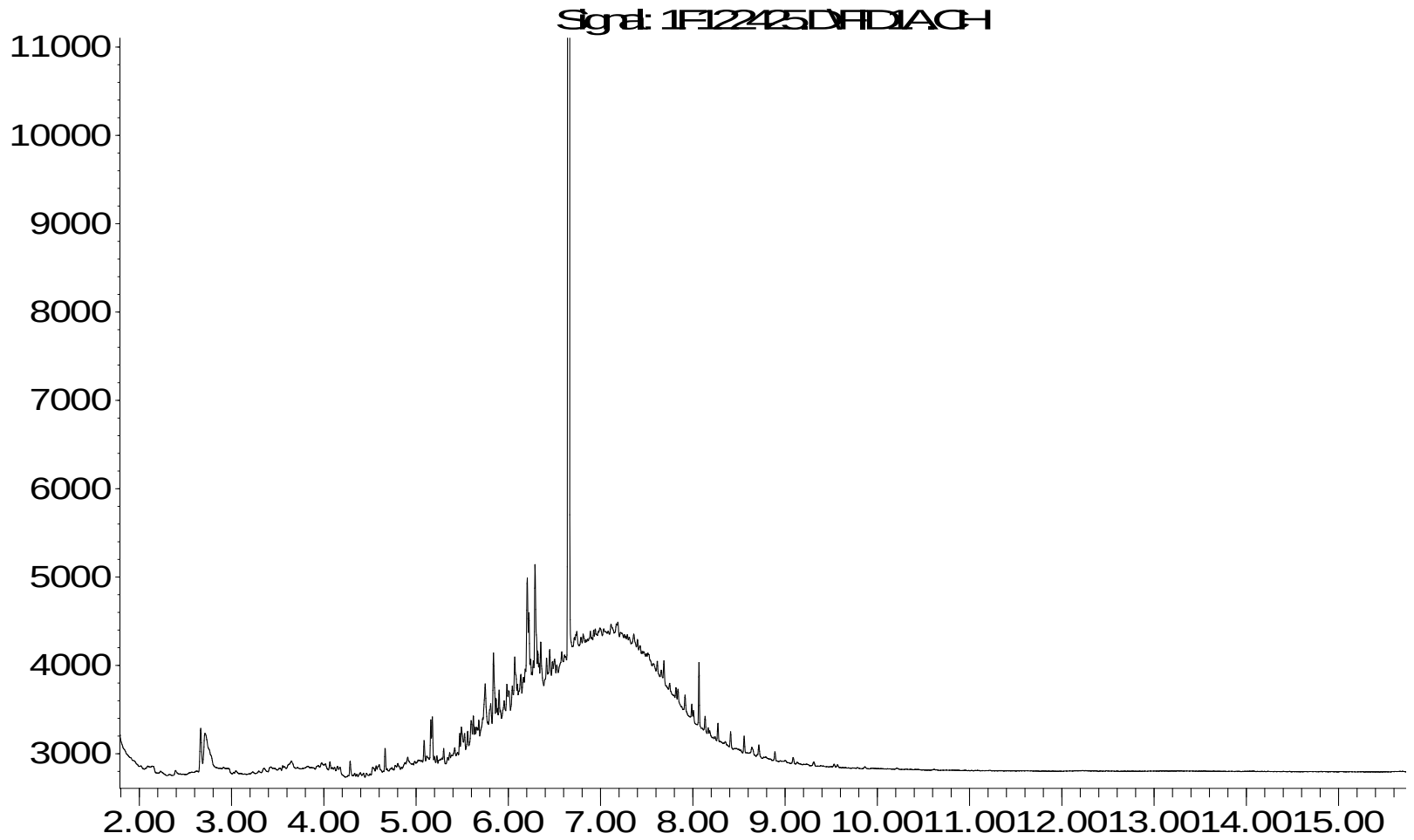
Apex Forensics

Water Sample: MW23-W (A9L0812-15)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



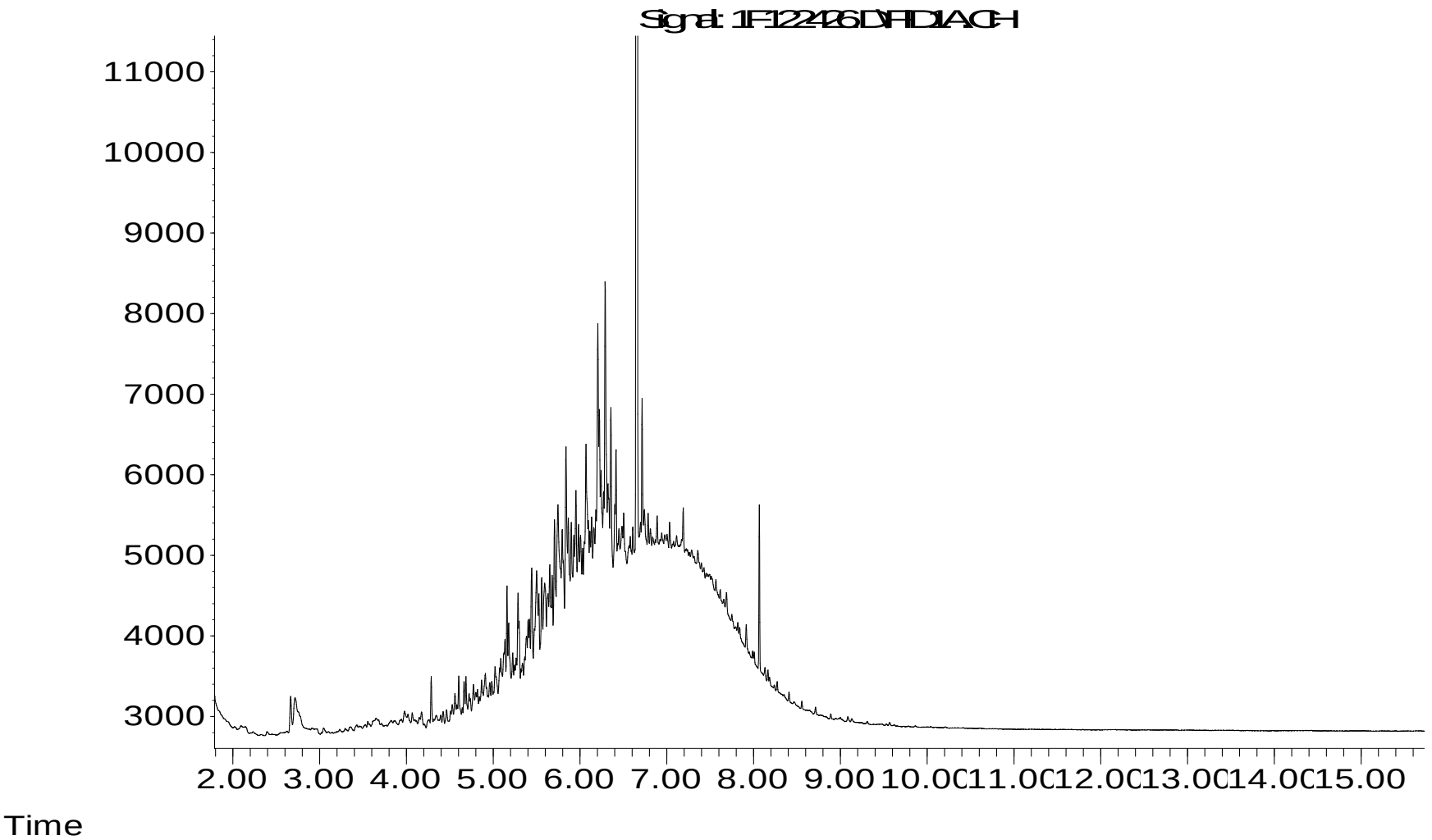
Apex Forensics

Water Sample: MW25-W (A9L0812-16)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



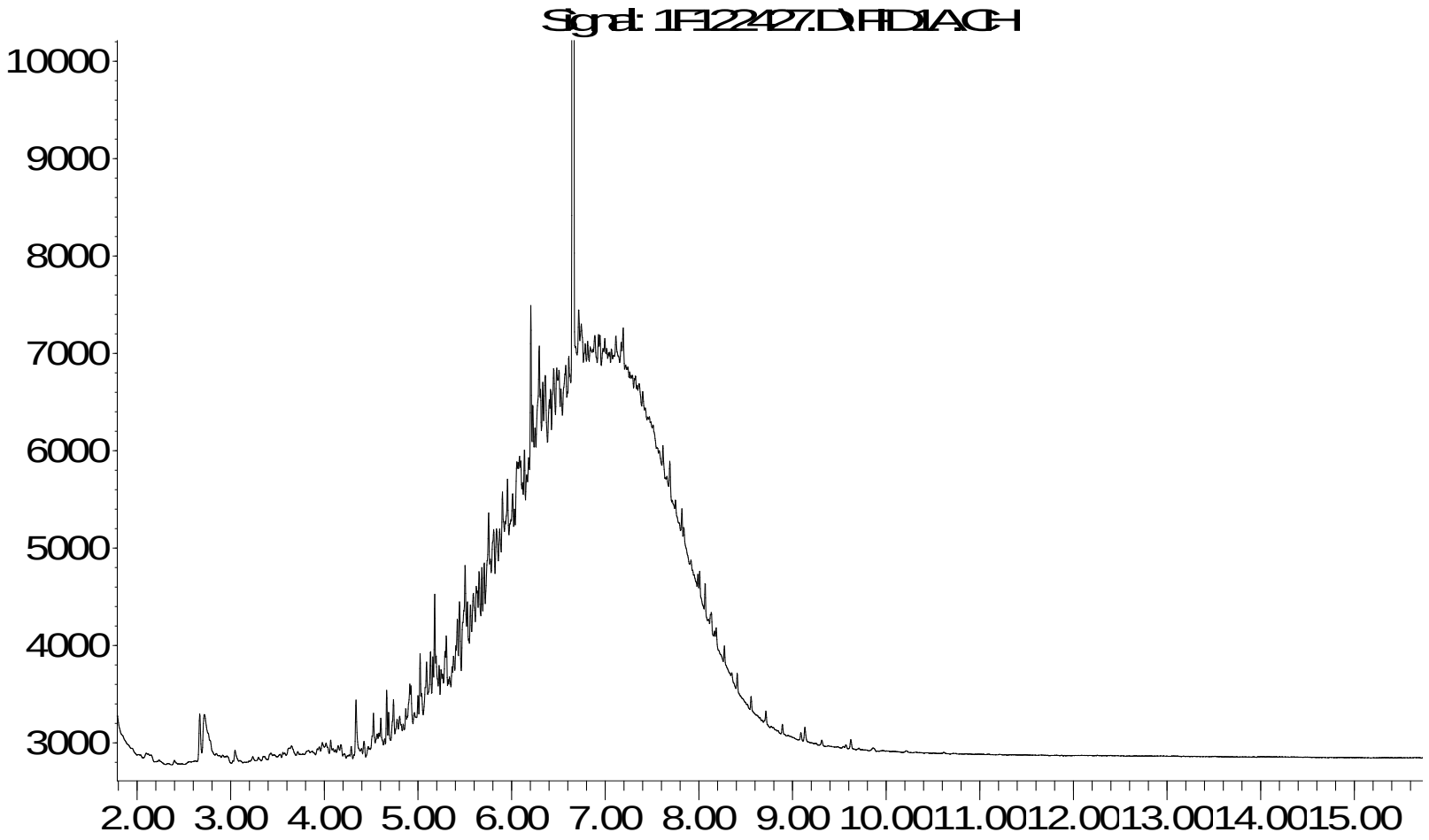
Apex Forensics

Water Sample: MW26-W (A9L0812-17)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



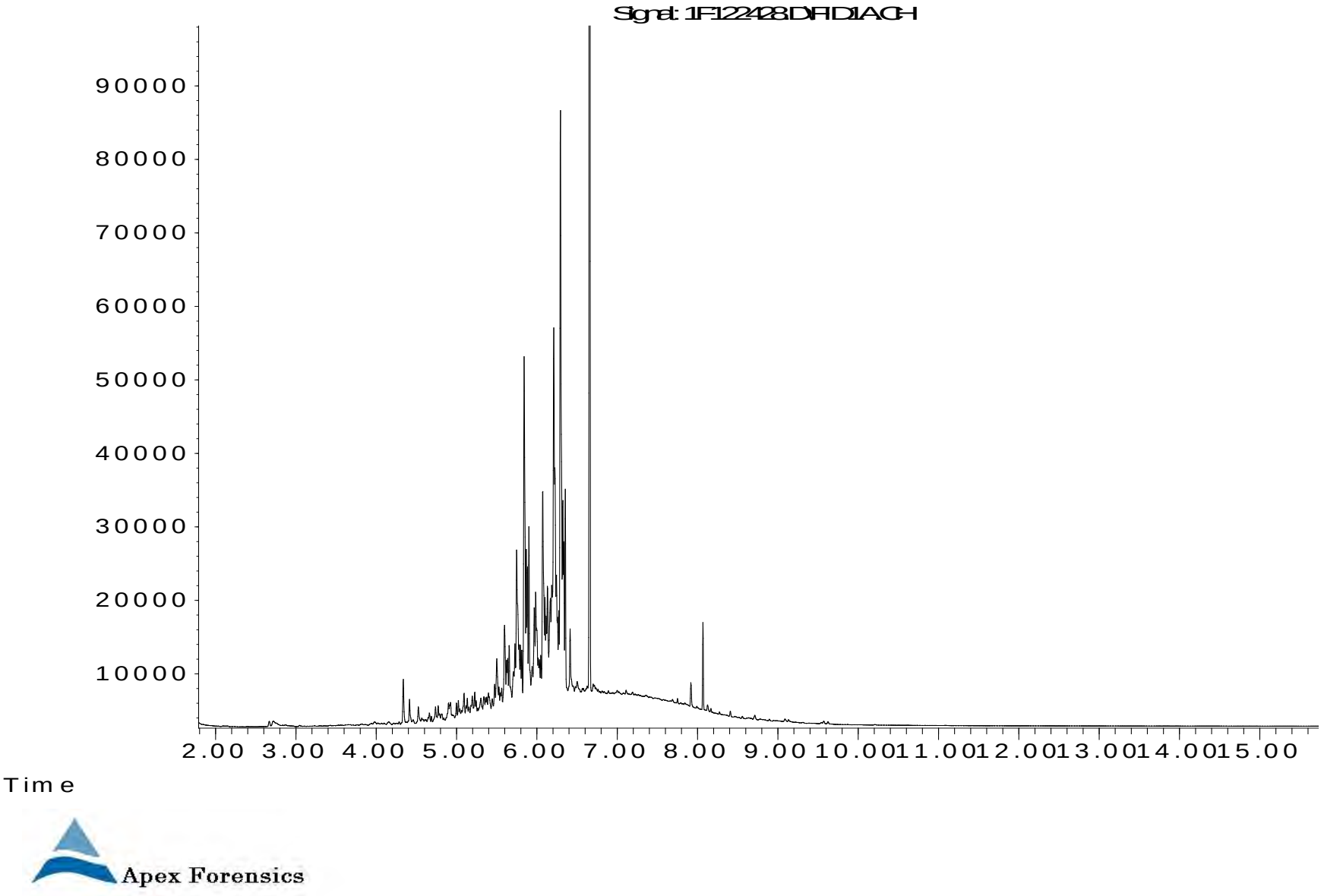
Apex Forensics

Water Sample: MW27-W (A9L0812-18)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



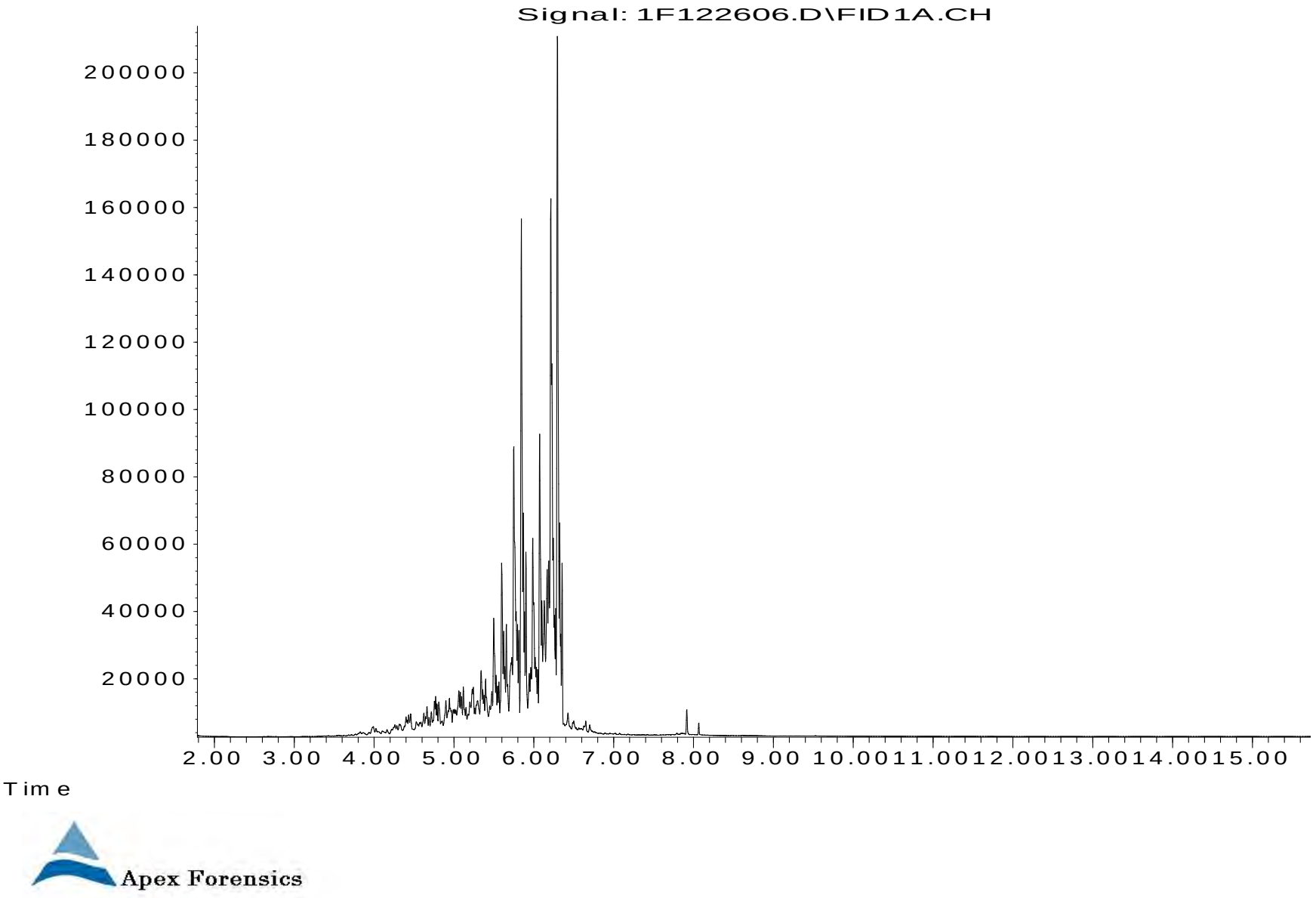
Apex Forensics

Water Sample: MW28-W (A9L0812-19)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



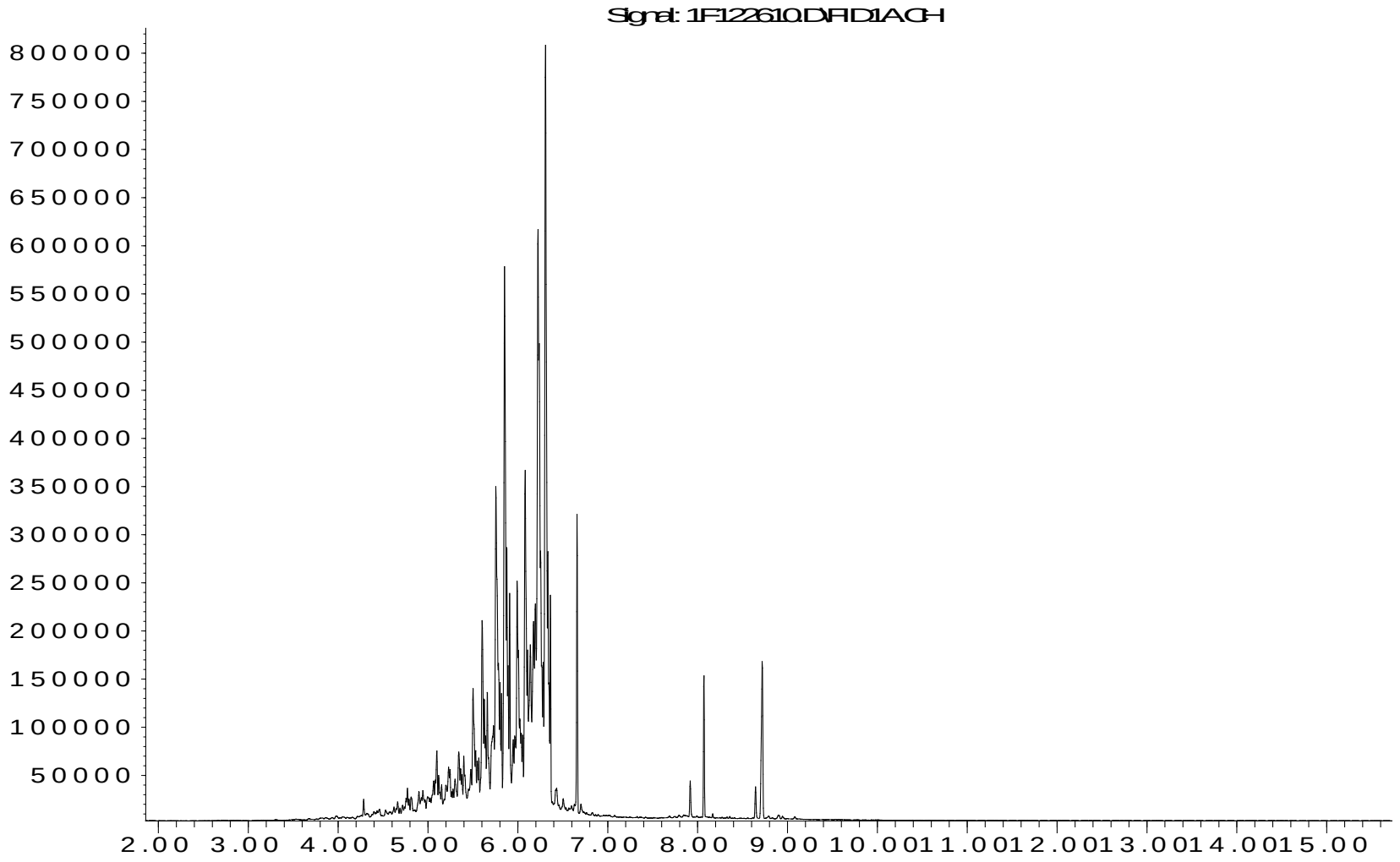
Apex Forensics

Water Sample: MW29-W (A9L0812-20)@100
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



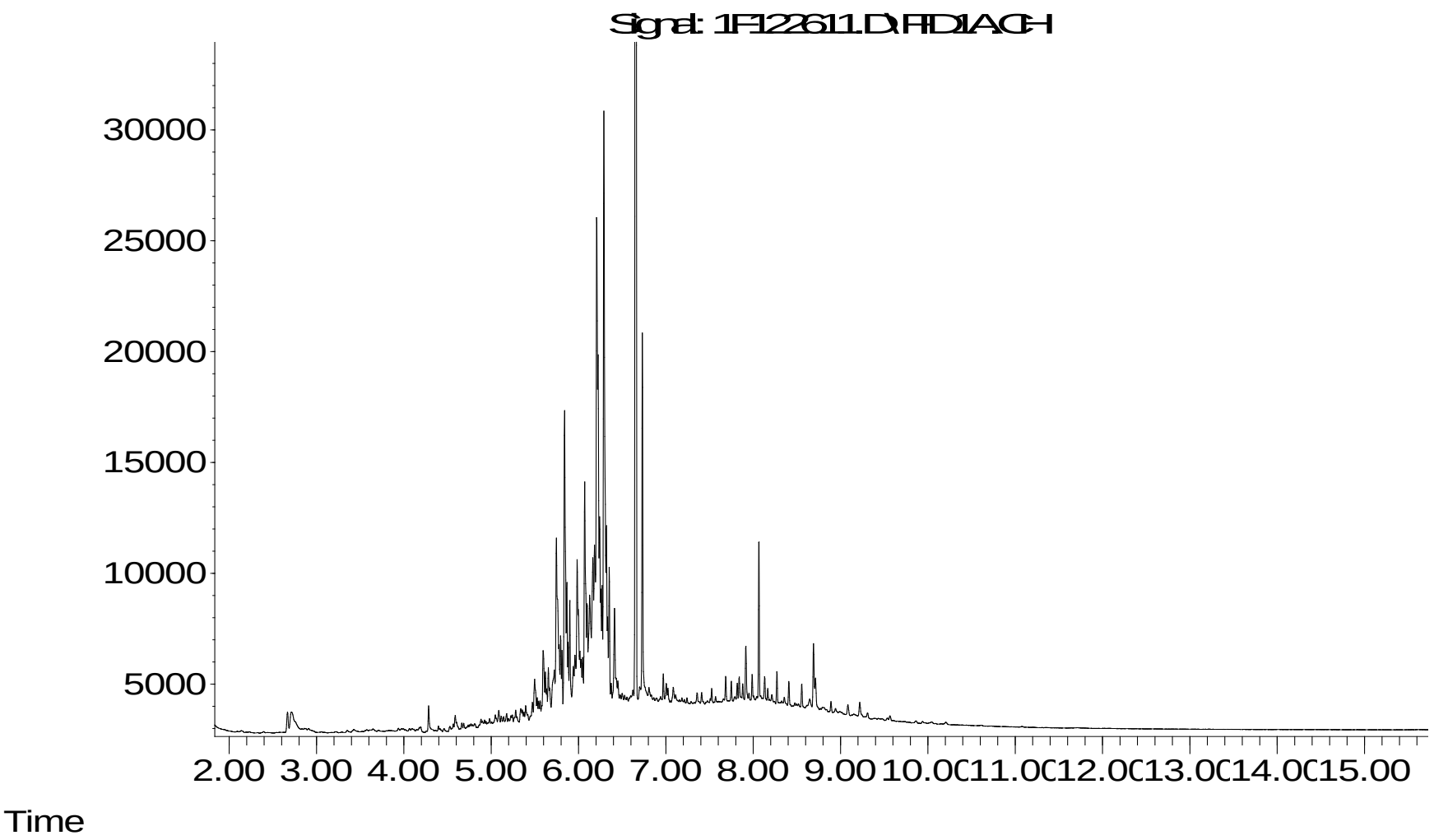
Apex Forensics

Water Sample: MW30-W (A9L0812-21)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



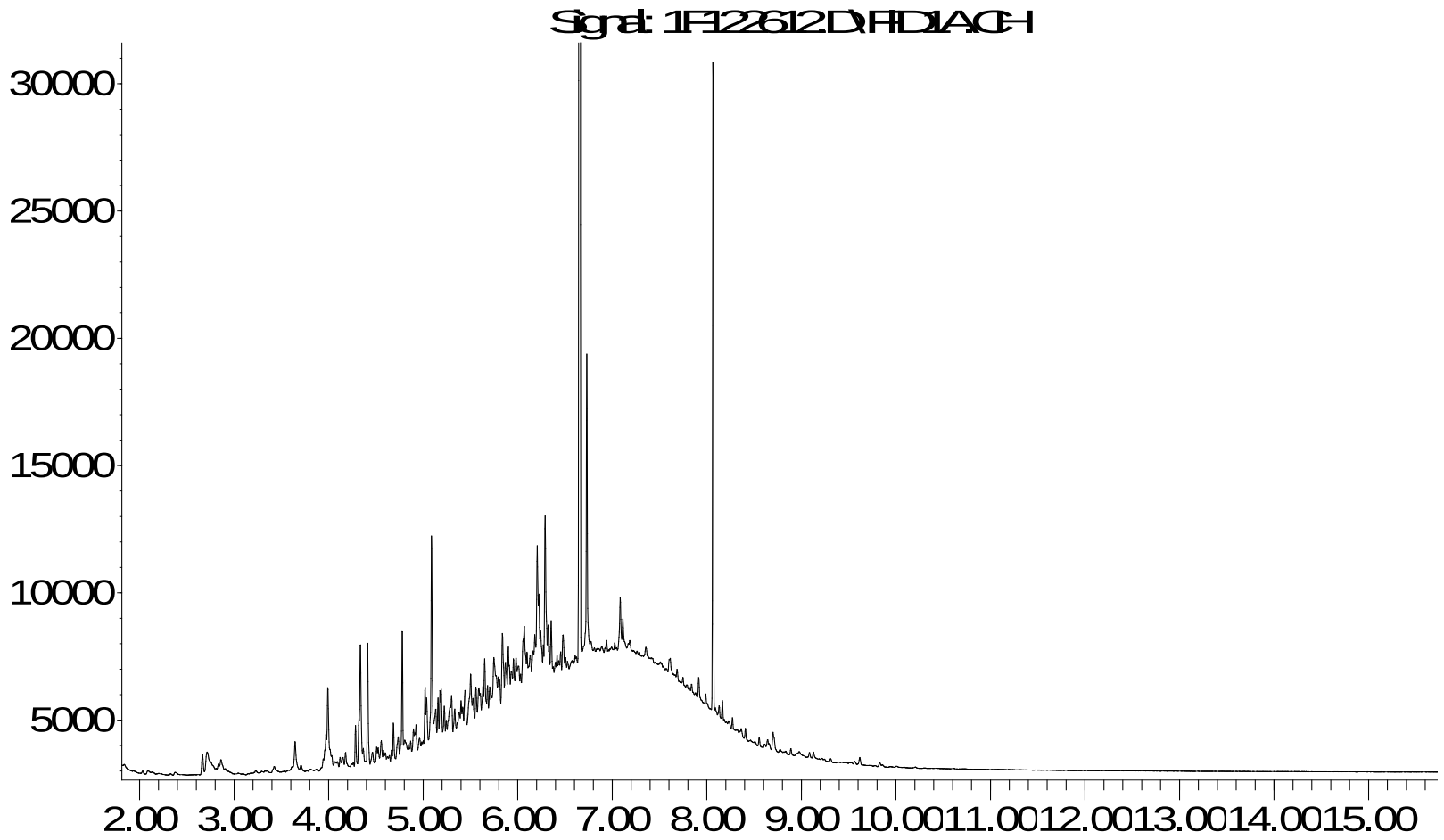
Apex Forensics

Water Sample: MW31-W (A9L0812-22)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



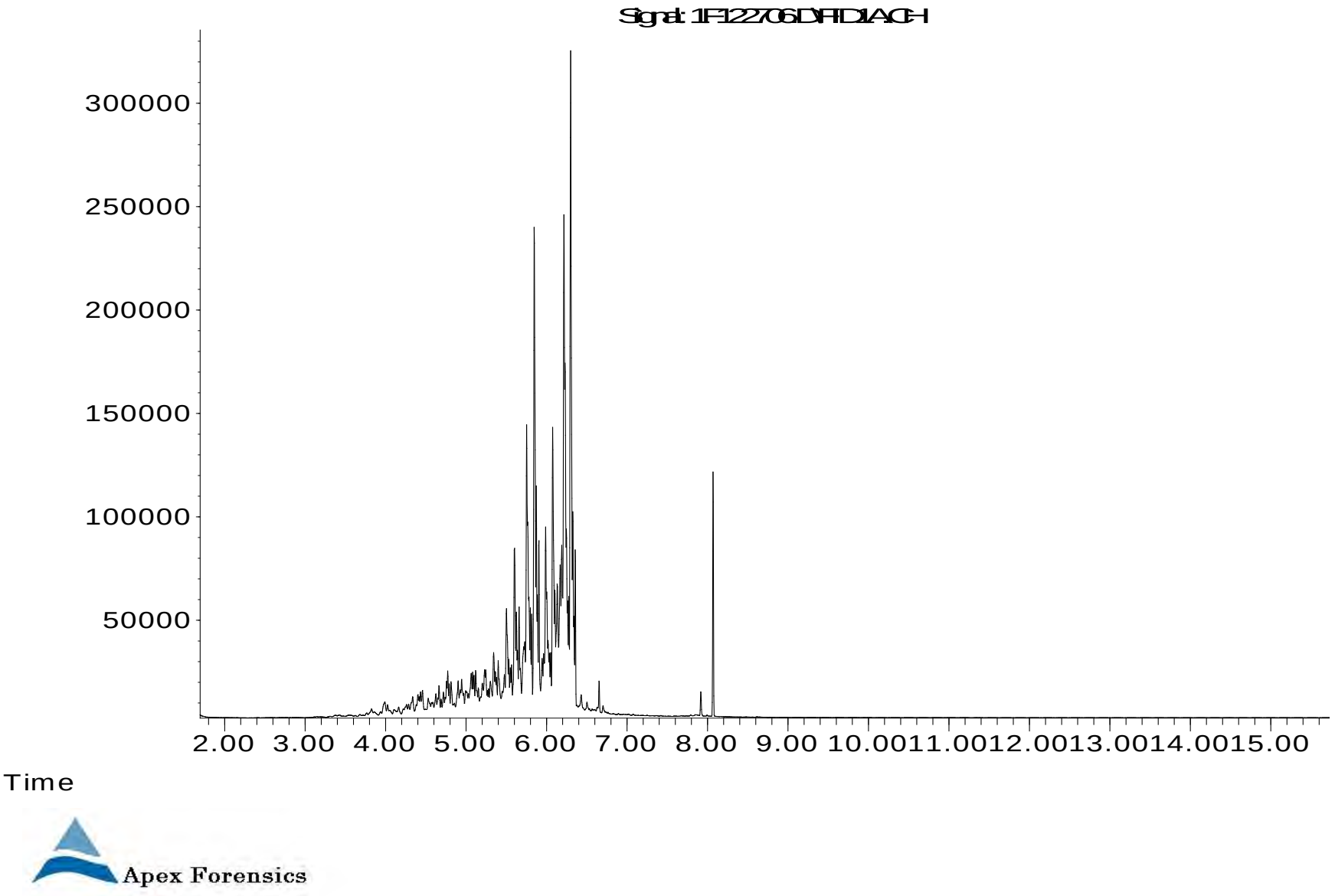
Apex Forensics

Water Sample: MW32-W (A9L0812-23)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



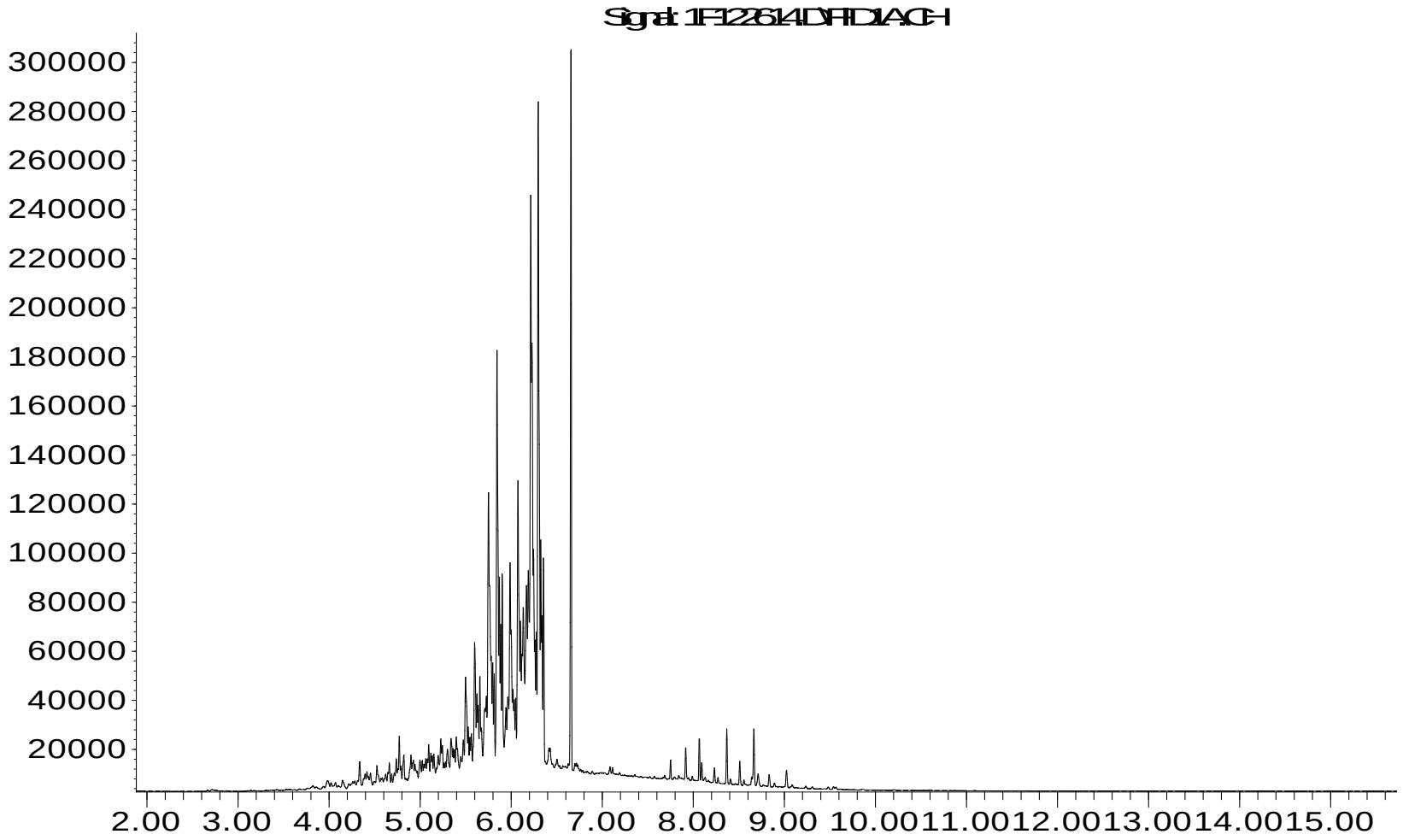
Apex Forensics

Water Sample: BH01R-W (A9L0812-24)@20
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



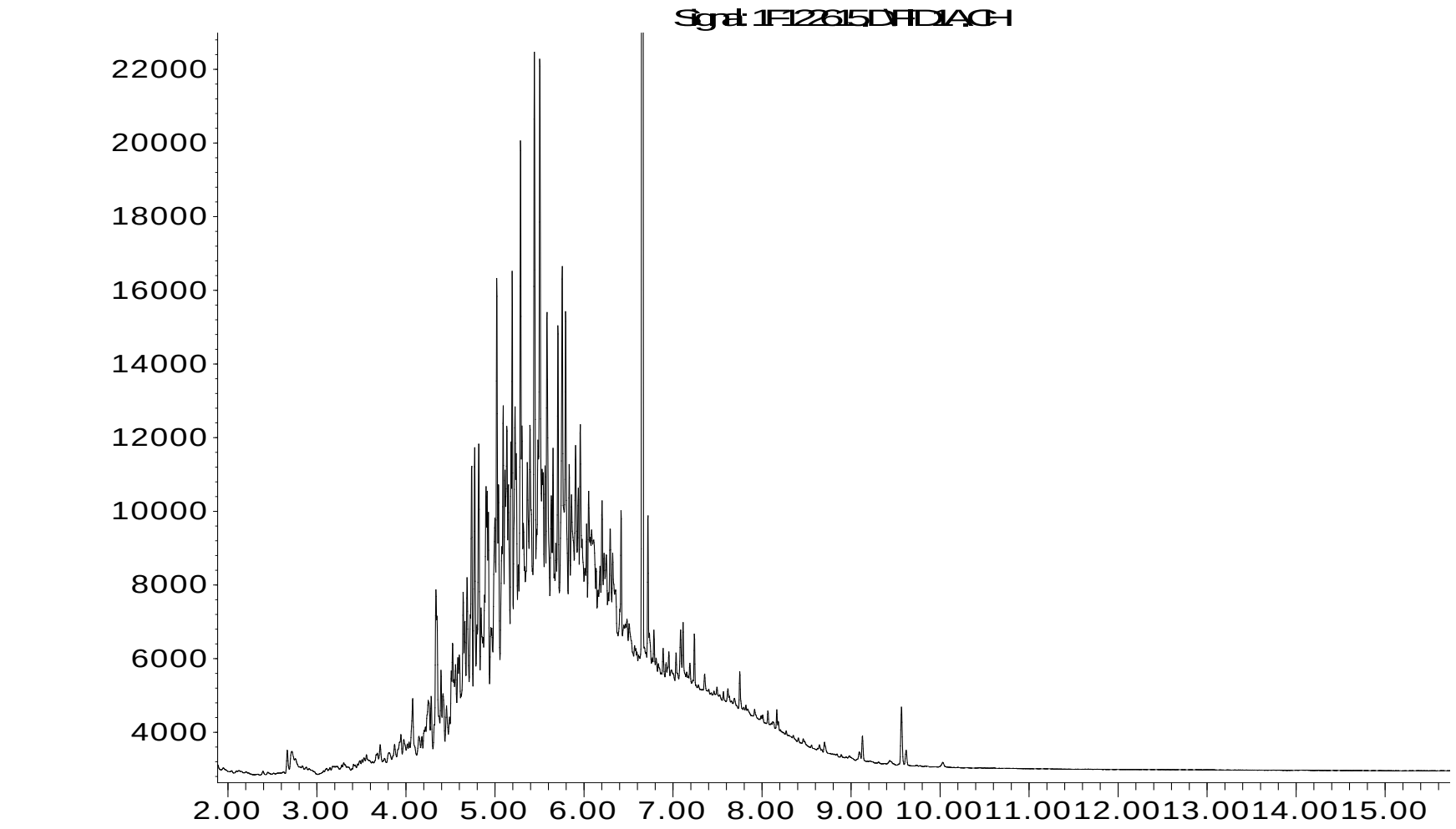
Apex Forensics

Water Sample: BH02-W (A9L0812-25)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



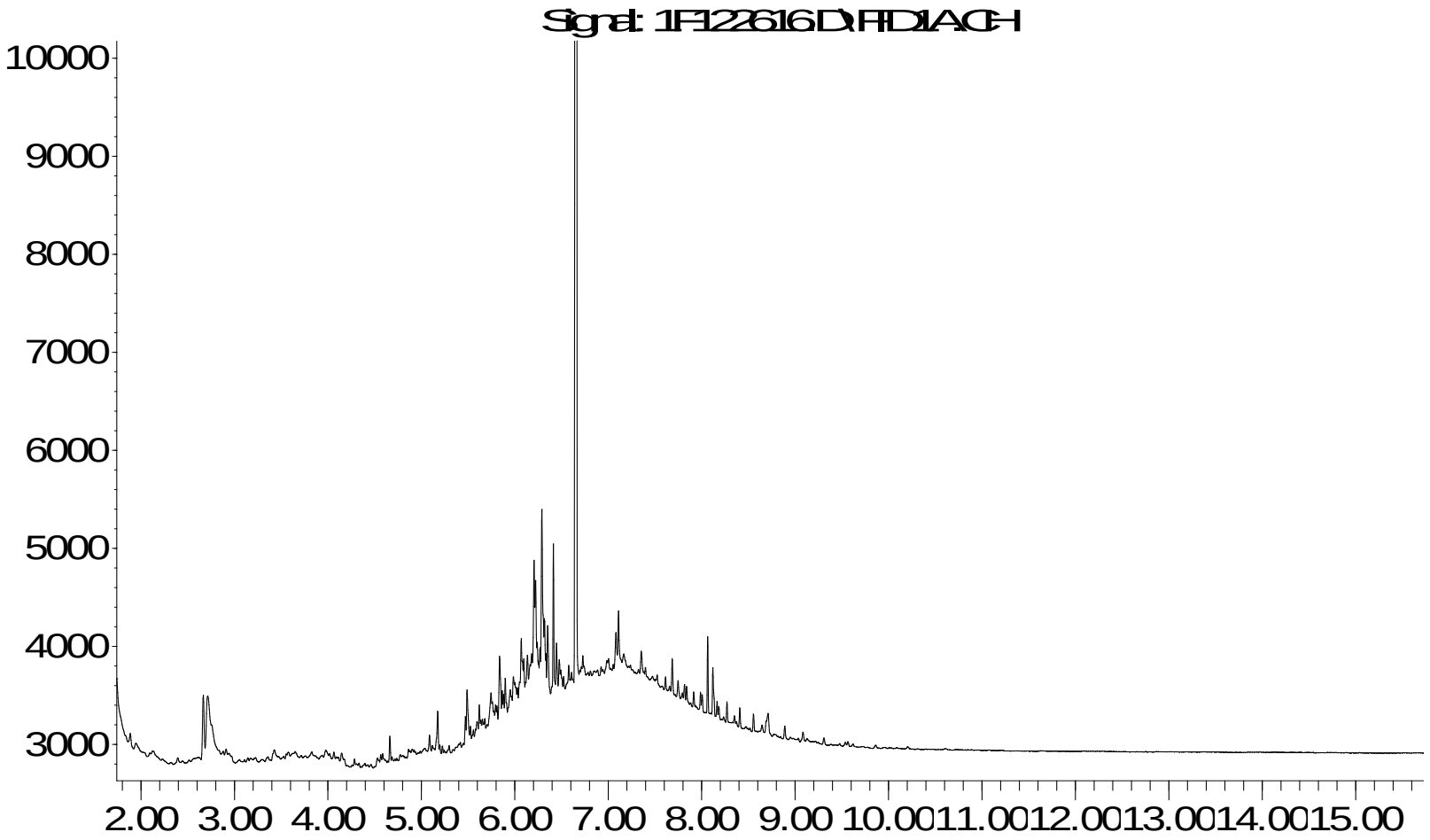
Apex Forensics

Water Sample: BH03-W (A9L0812-26)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



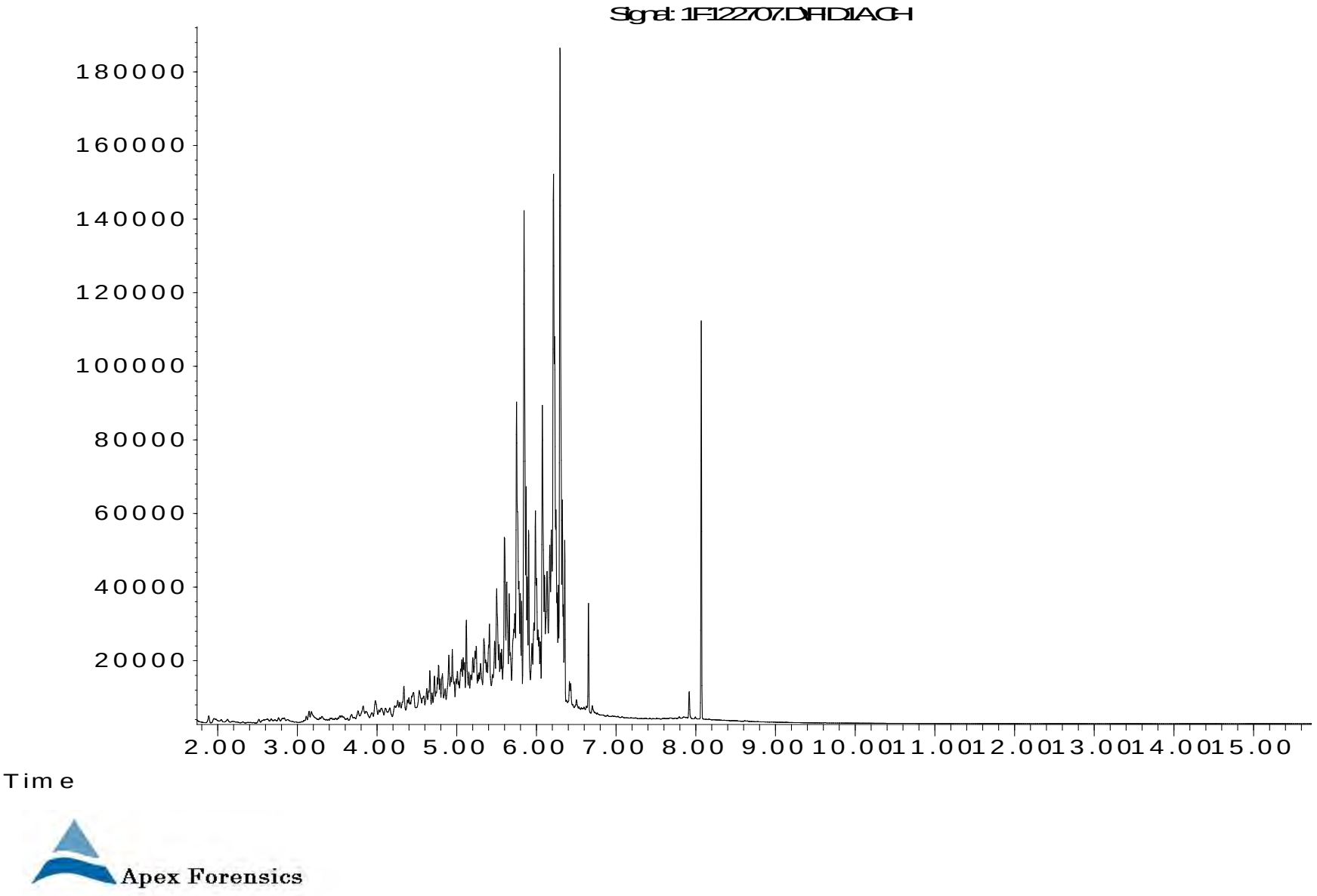
Apex Forensics

Water Sample: RW01-W (A9L0812-27)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



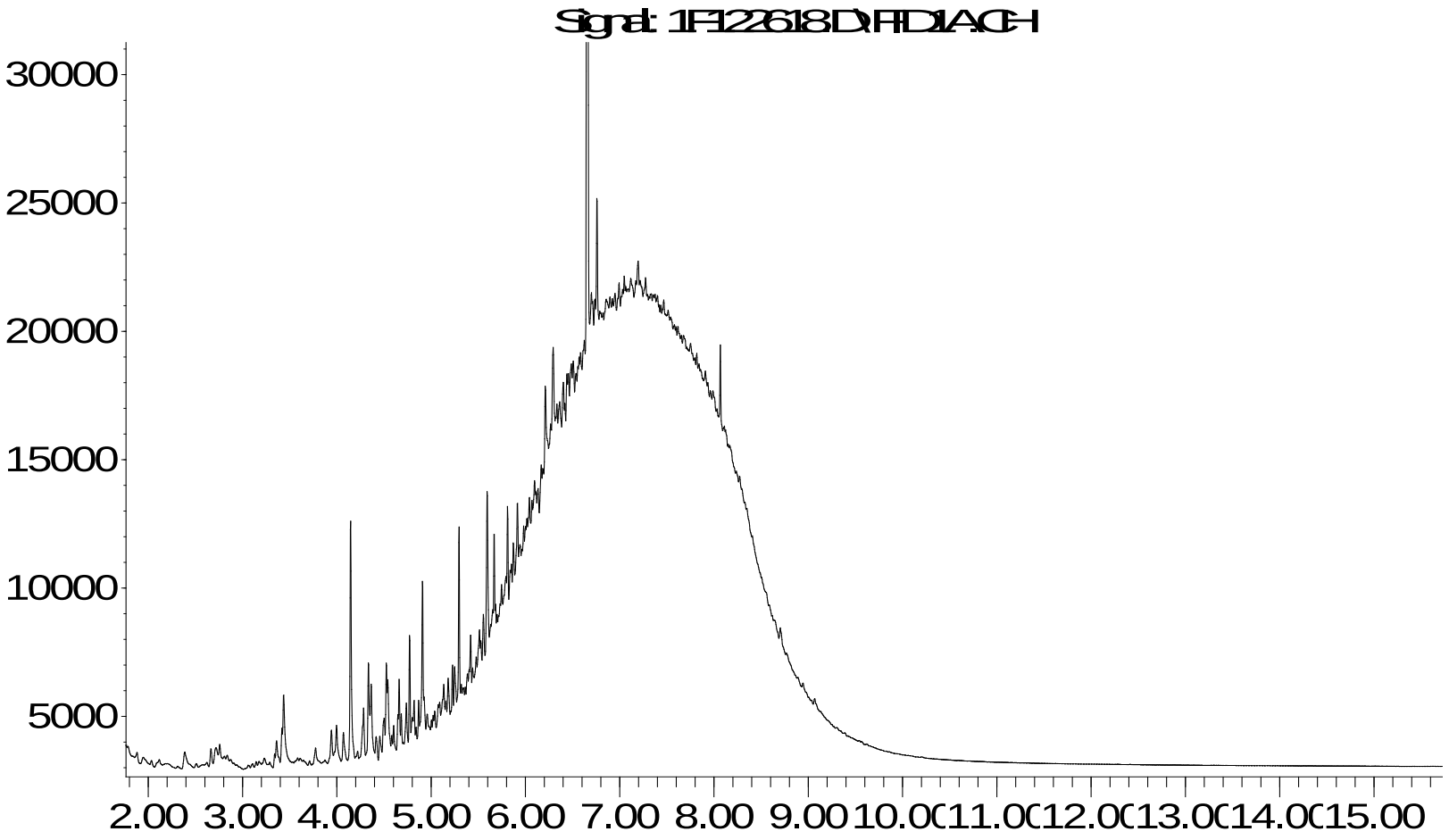
Apex Forensics

Water Sample: MW301-W (A9L0812-28)@10
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



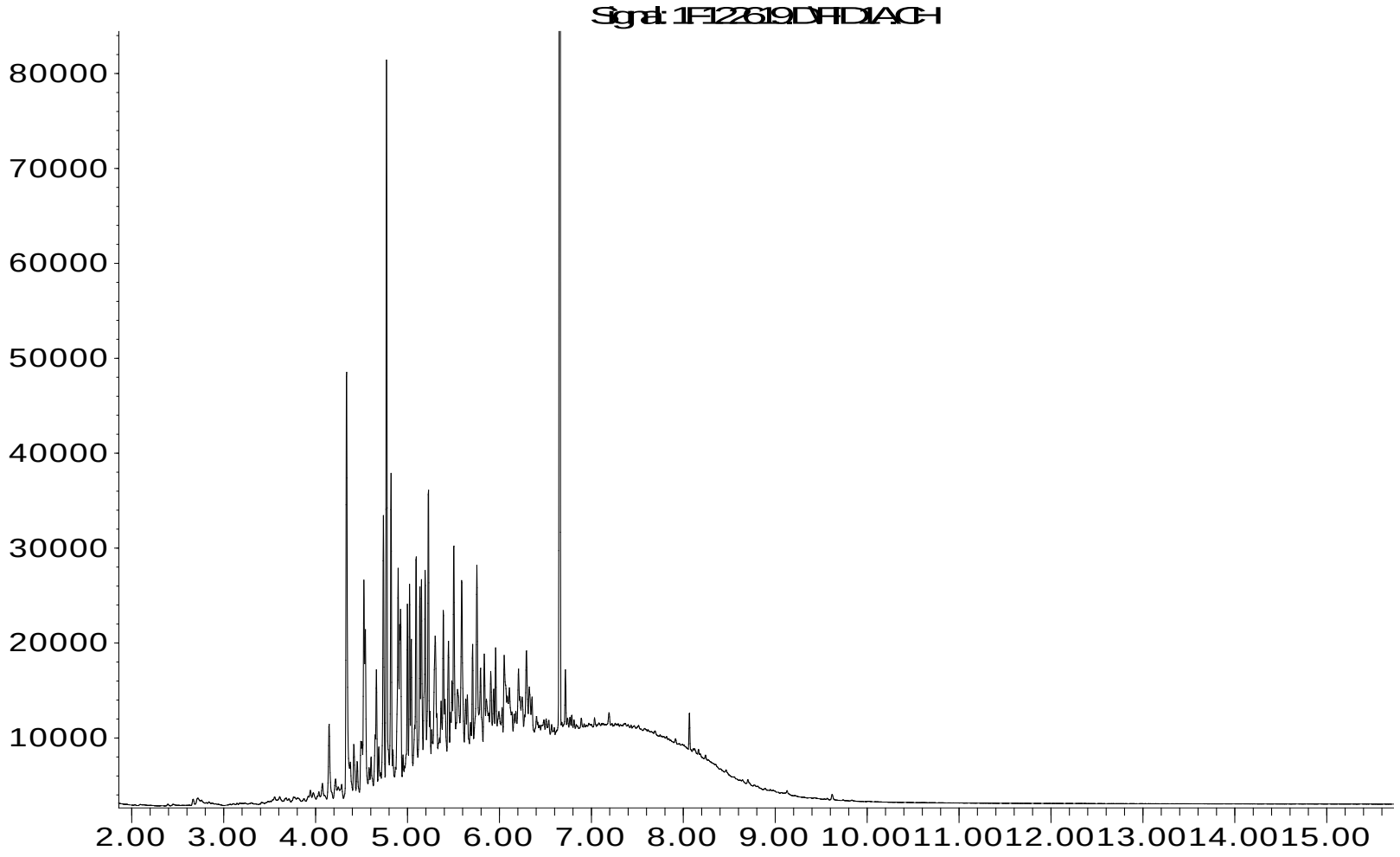
Apex Forensics

Water Sample: MW302-W (A9L0812-29)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



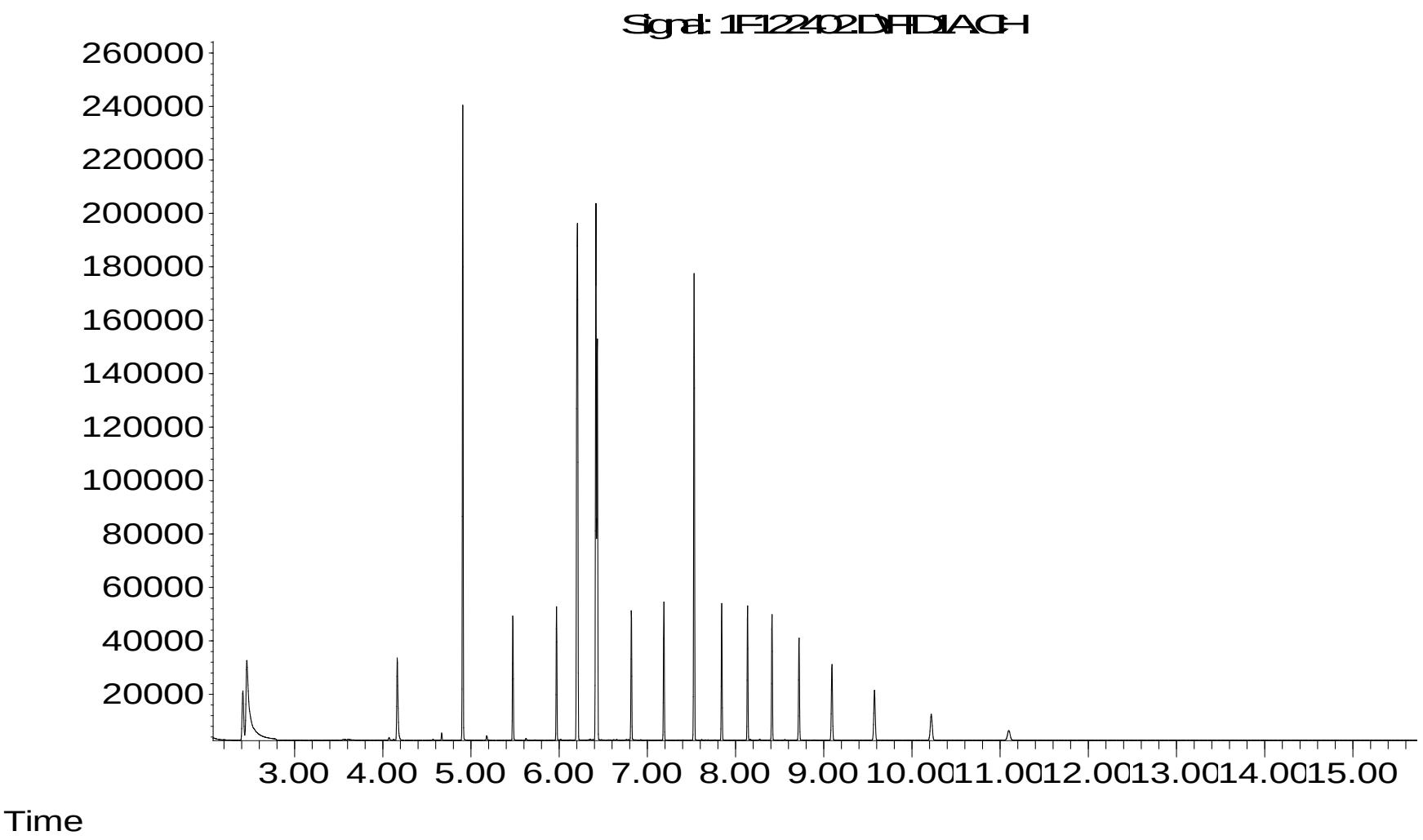
Apex Forensics

Water Sample: MW303-W (A9L0812-30)
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



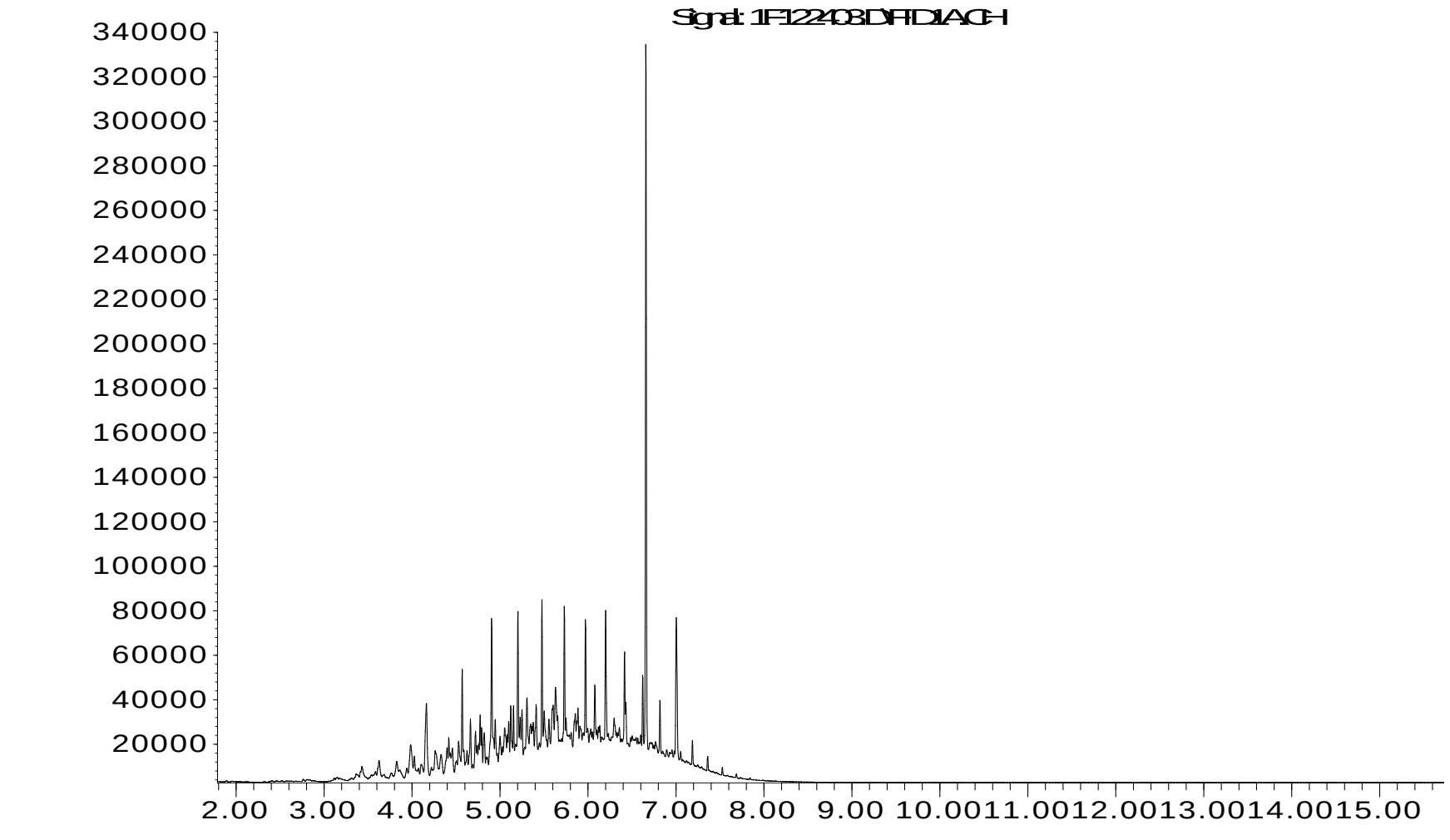
Apex Forensics

QC Sample: 9L24026-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



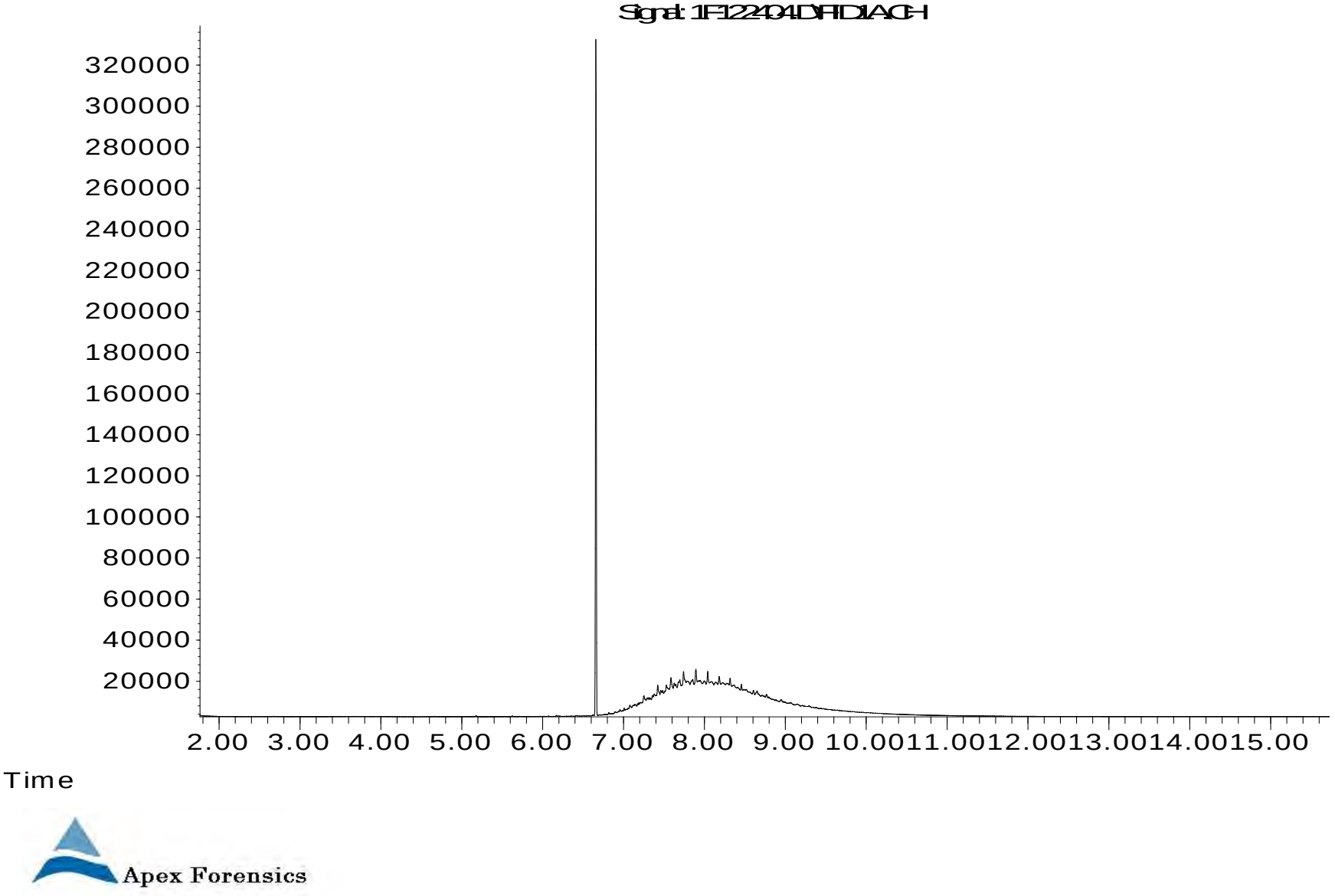
Apex Forensics

QC Sample: 9L24026-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



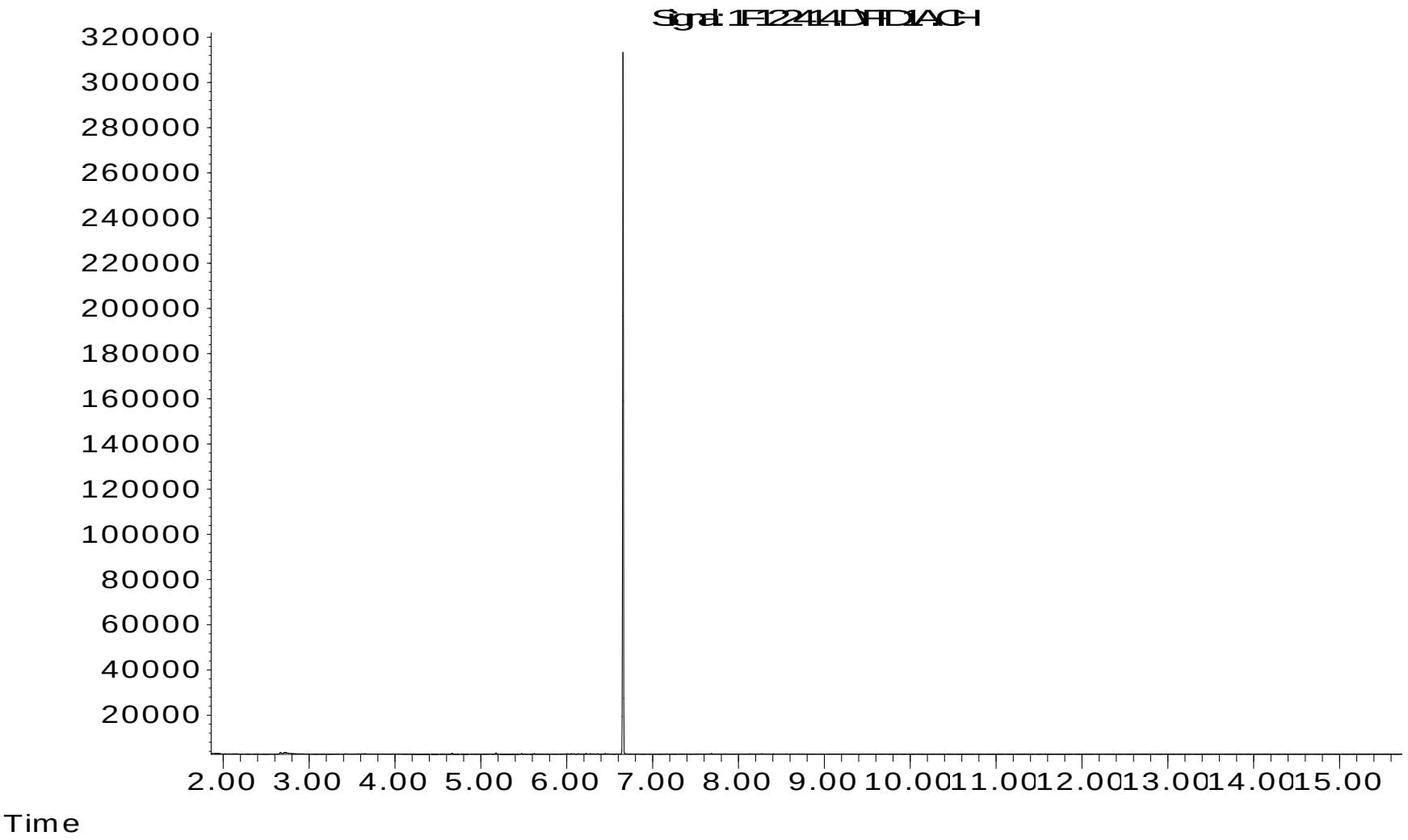
Apex Forensics

QC Sample: 9L24026-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



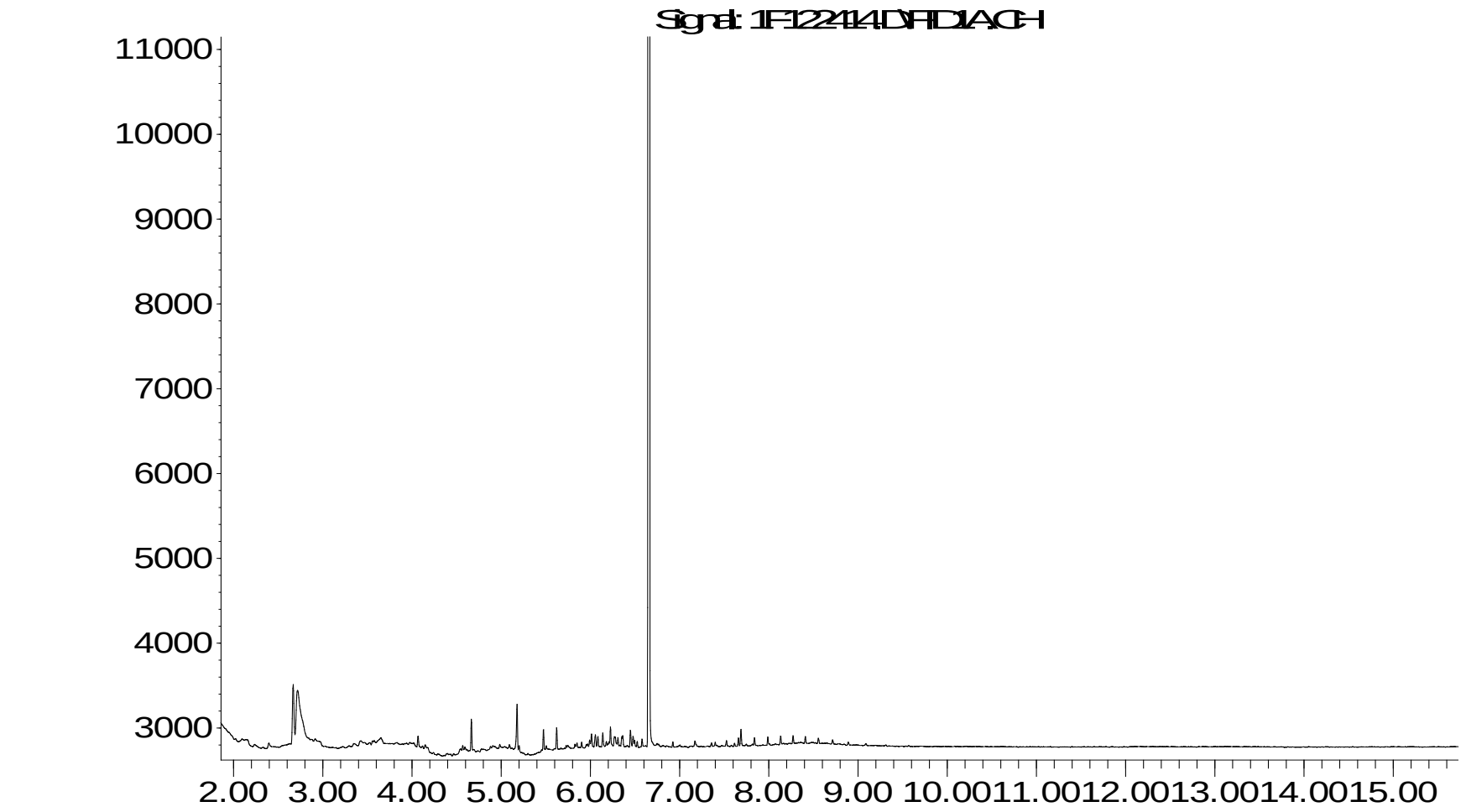
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



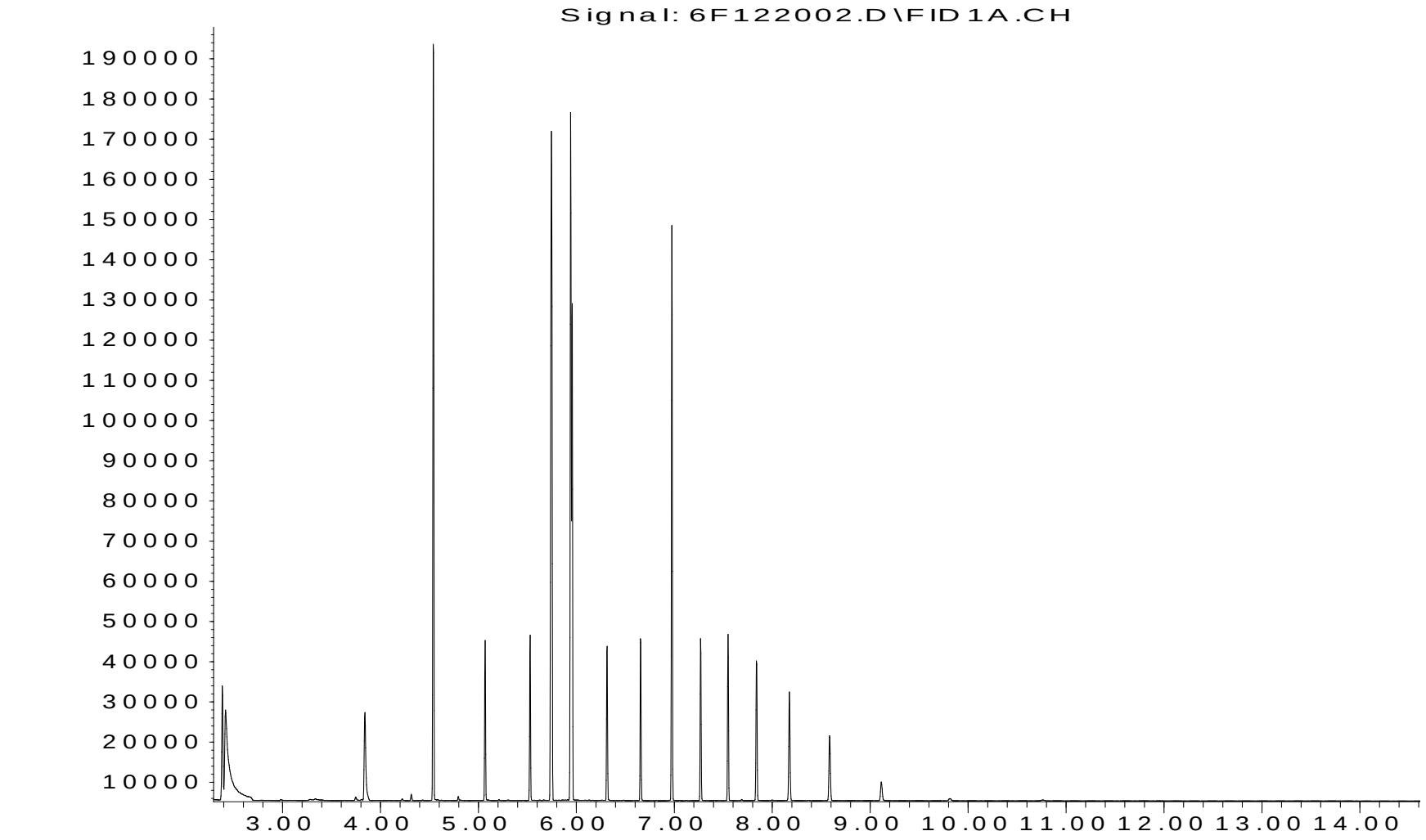
Apex Forensics

QC Sample: Method Blank DETAIL
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 24, 2019



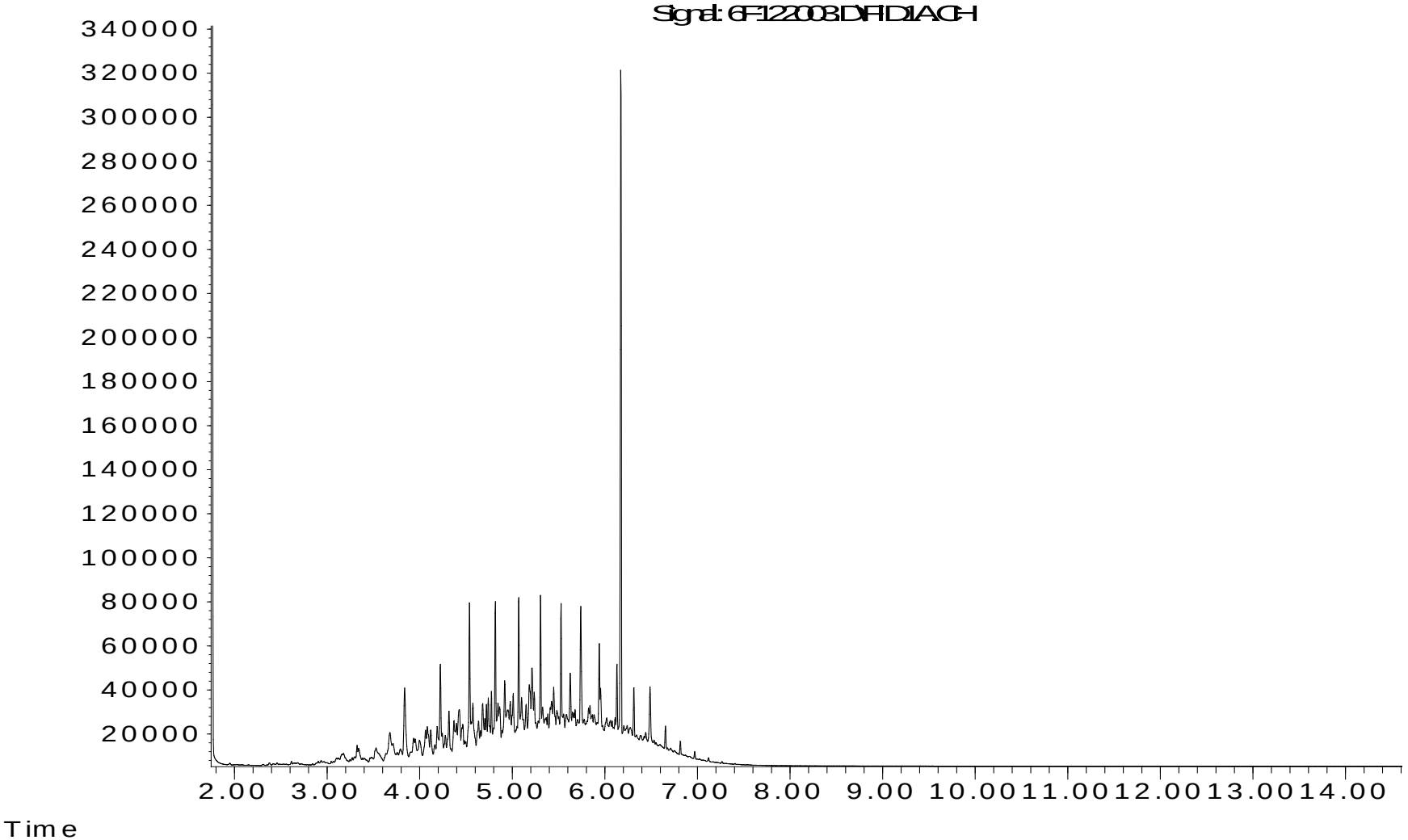
Apex Forensics

QC Sample: 9L20022-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



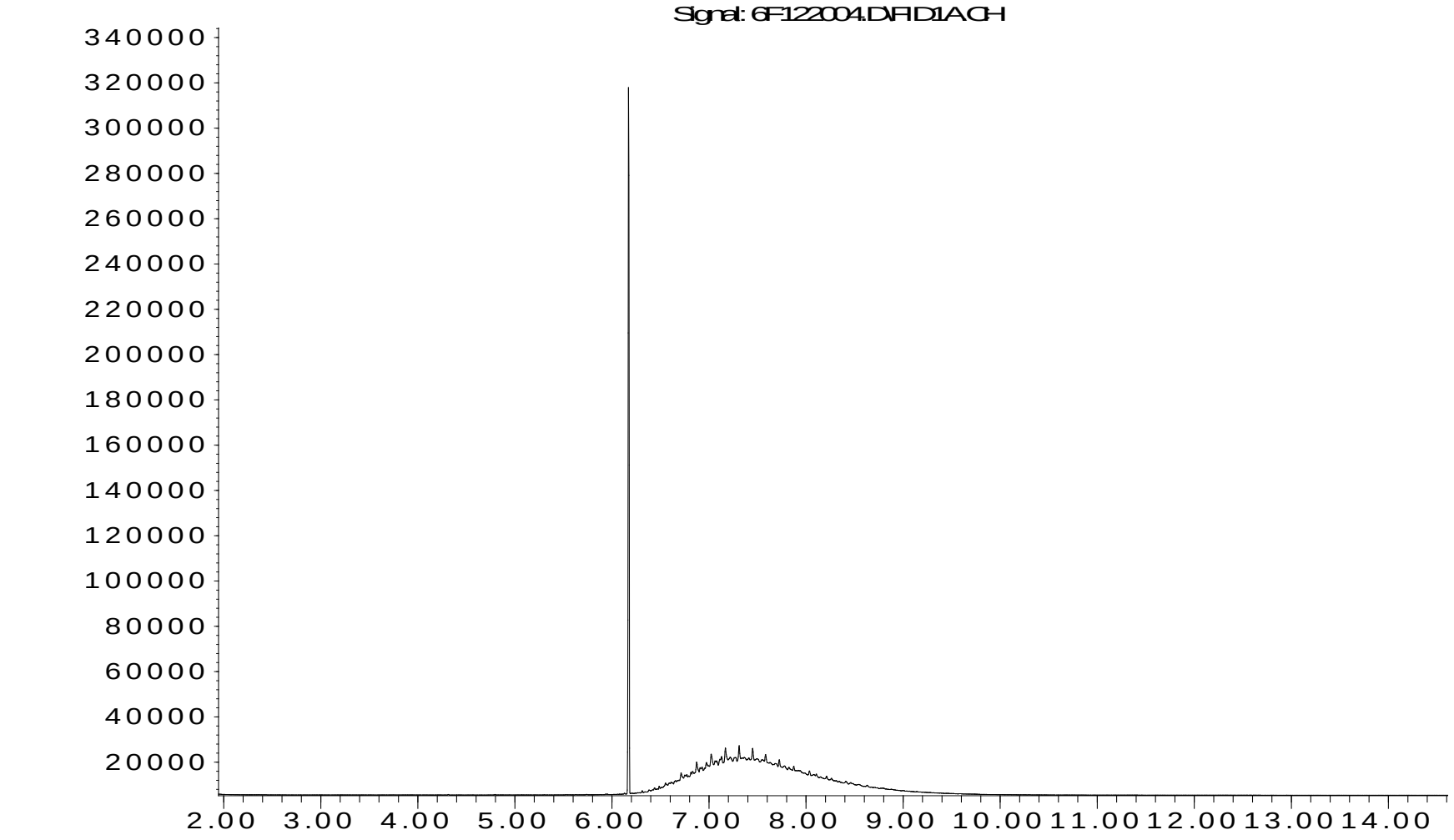
Apex Forensics

QC Sample: 9L20022-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



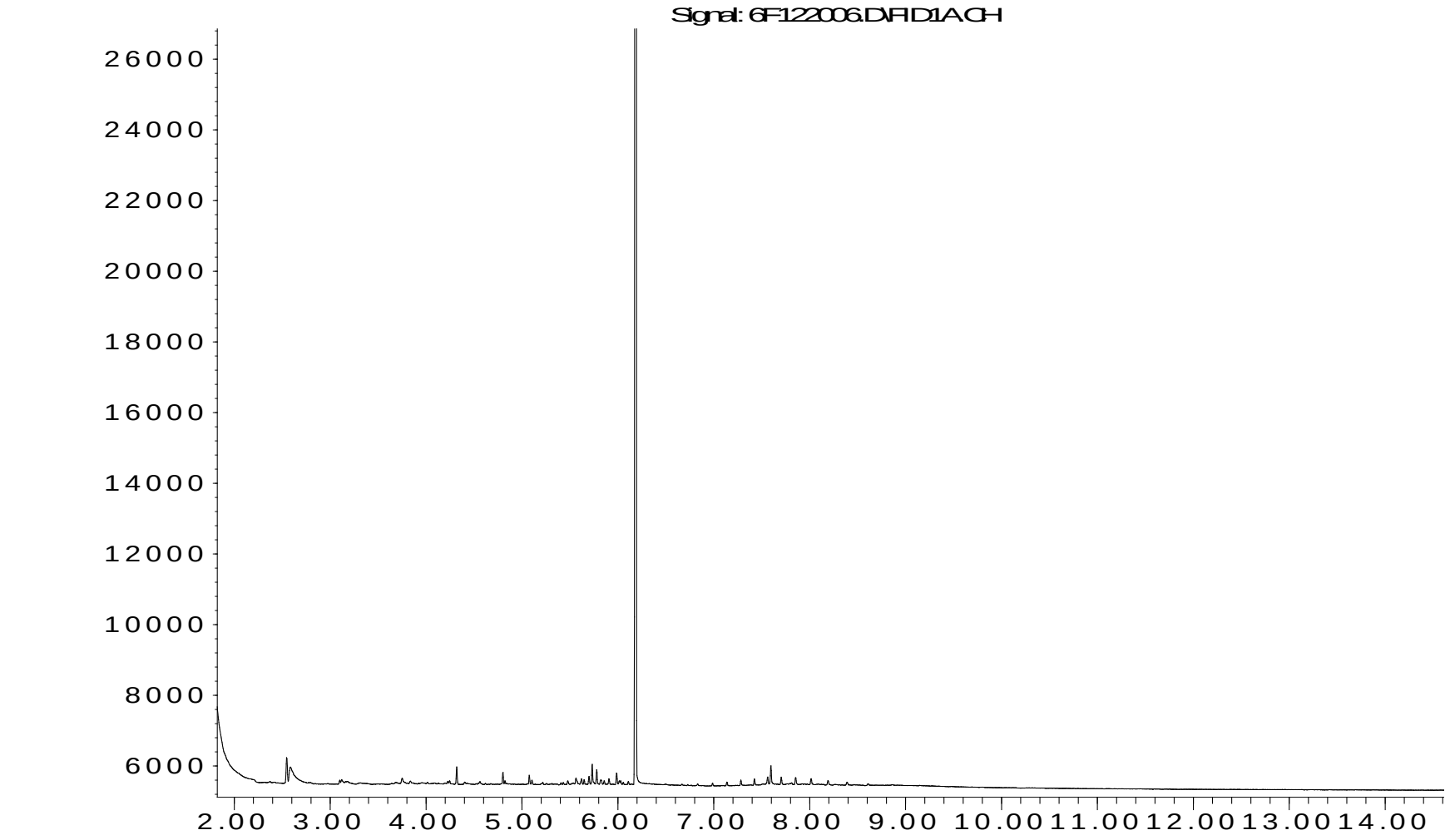
Apex Forensics

QC Sample: 9L20022-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



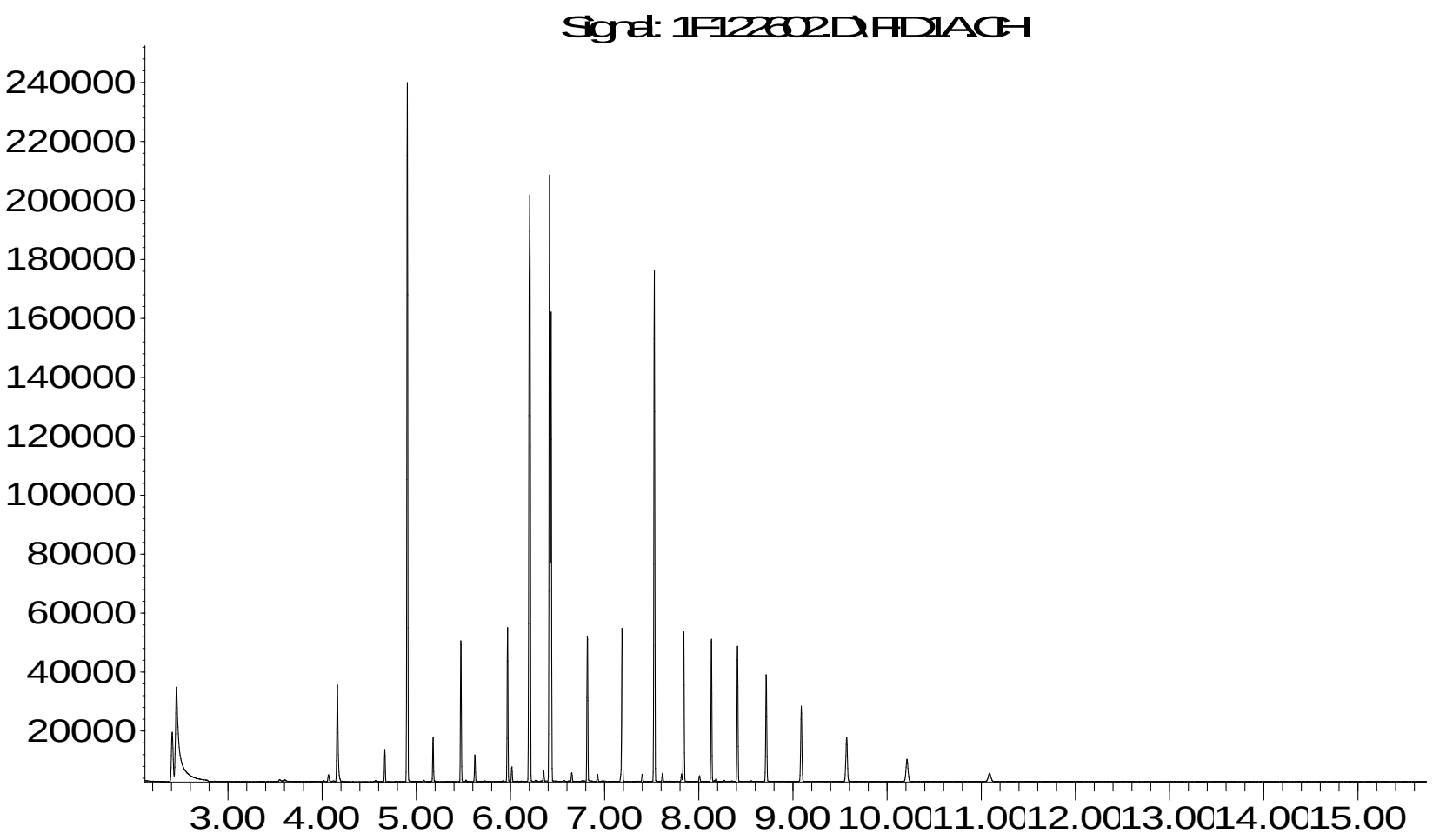
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 20, 2019



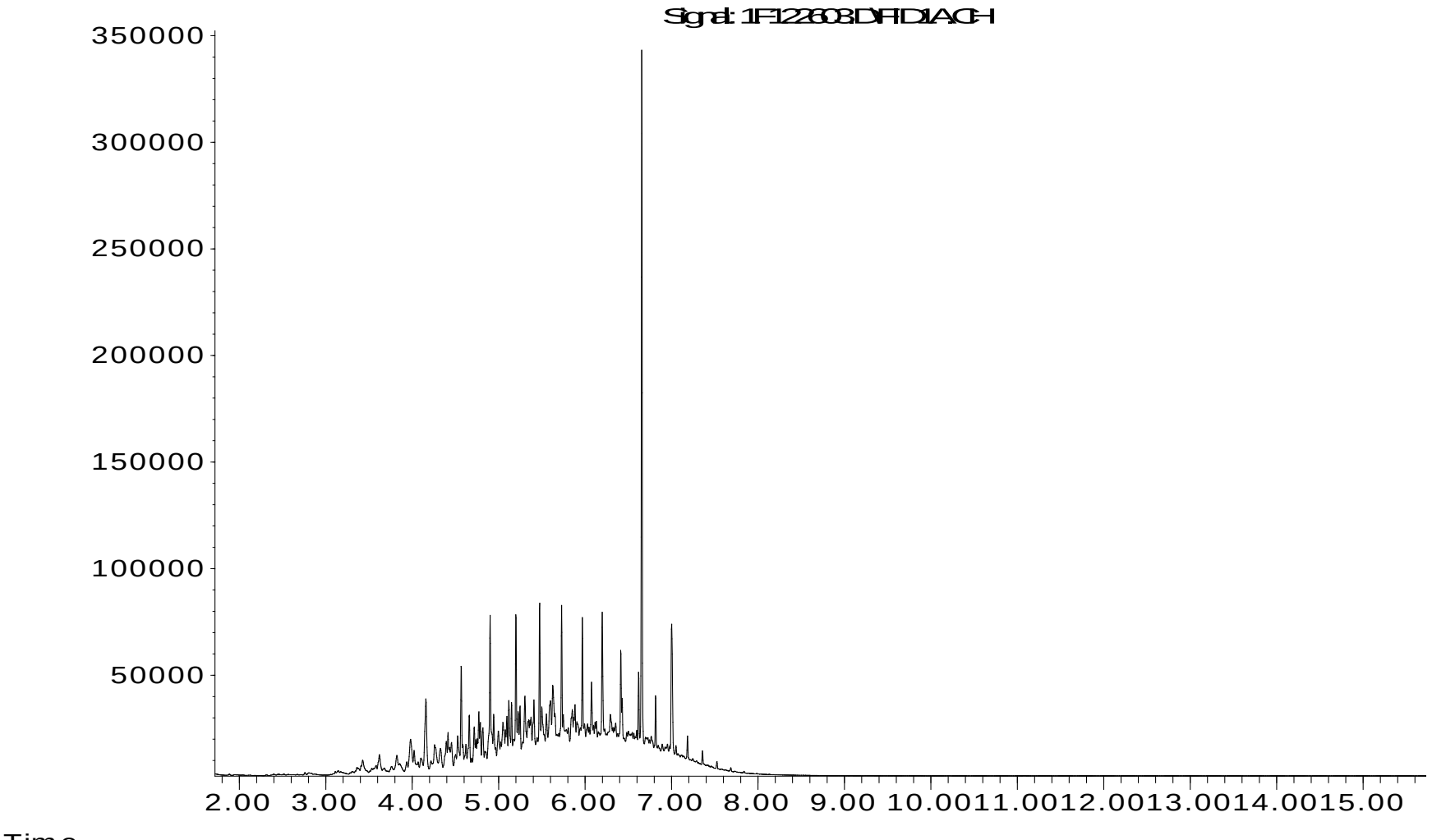
Apex Forensics

QC Sample: 9L26001-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



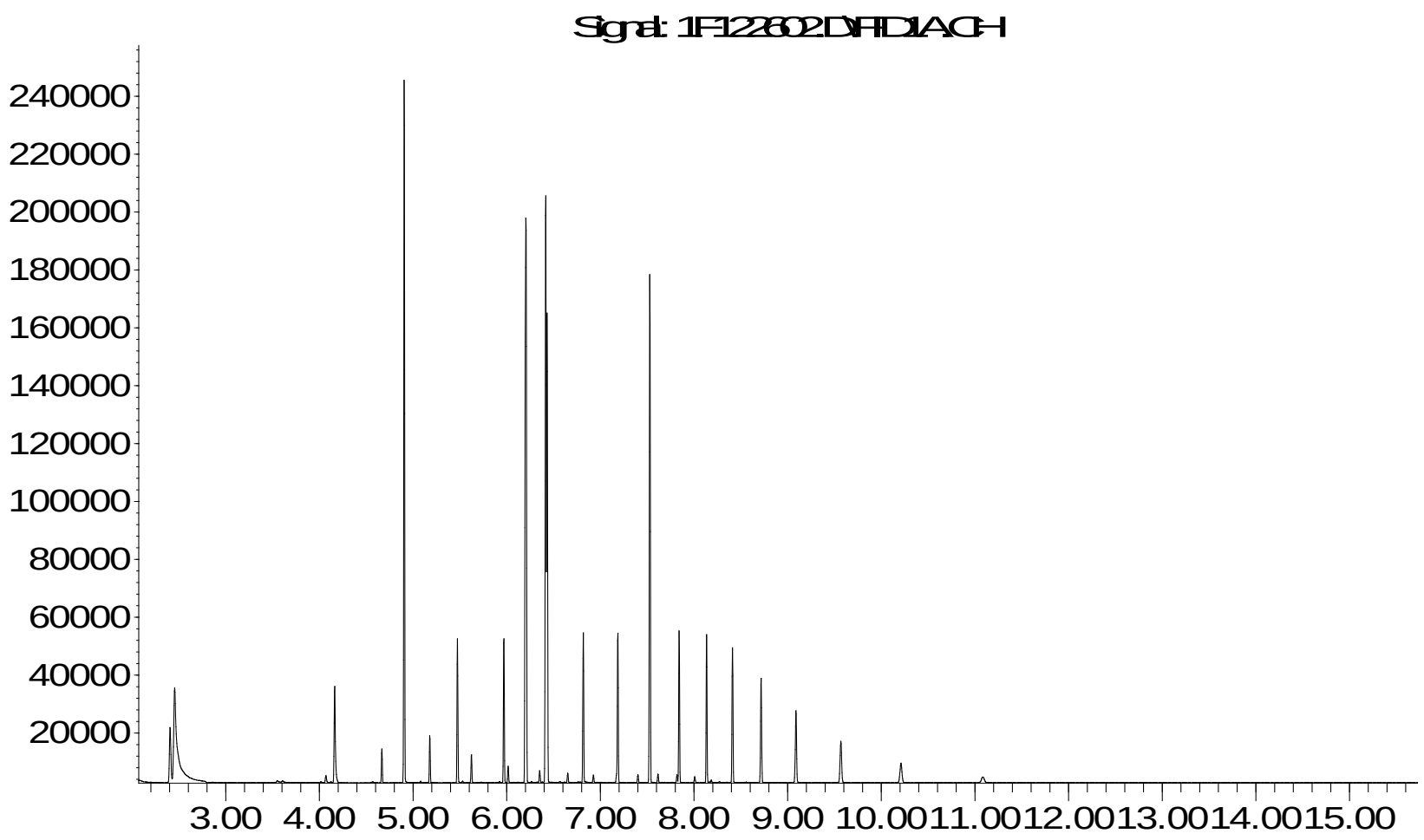
Apex Forensics

QC Sample: 9L26001-CCV
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



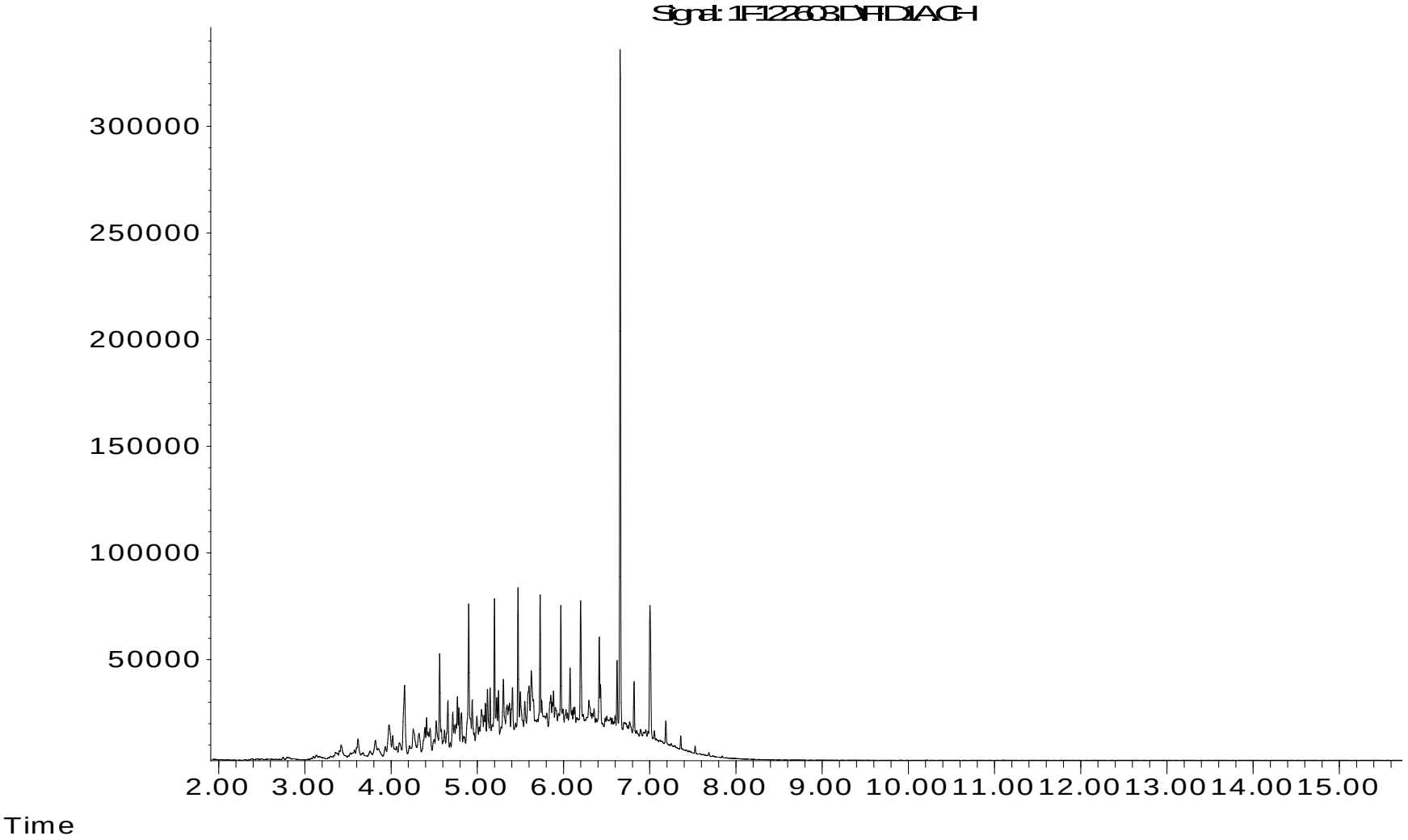
Apex Forensics

QC Sample: 9L26015-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



Apex Forensics

QC Sample: 9L26015-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



Apex Forensics

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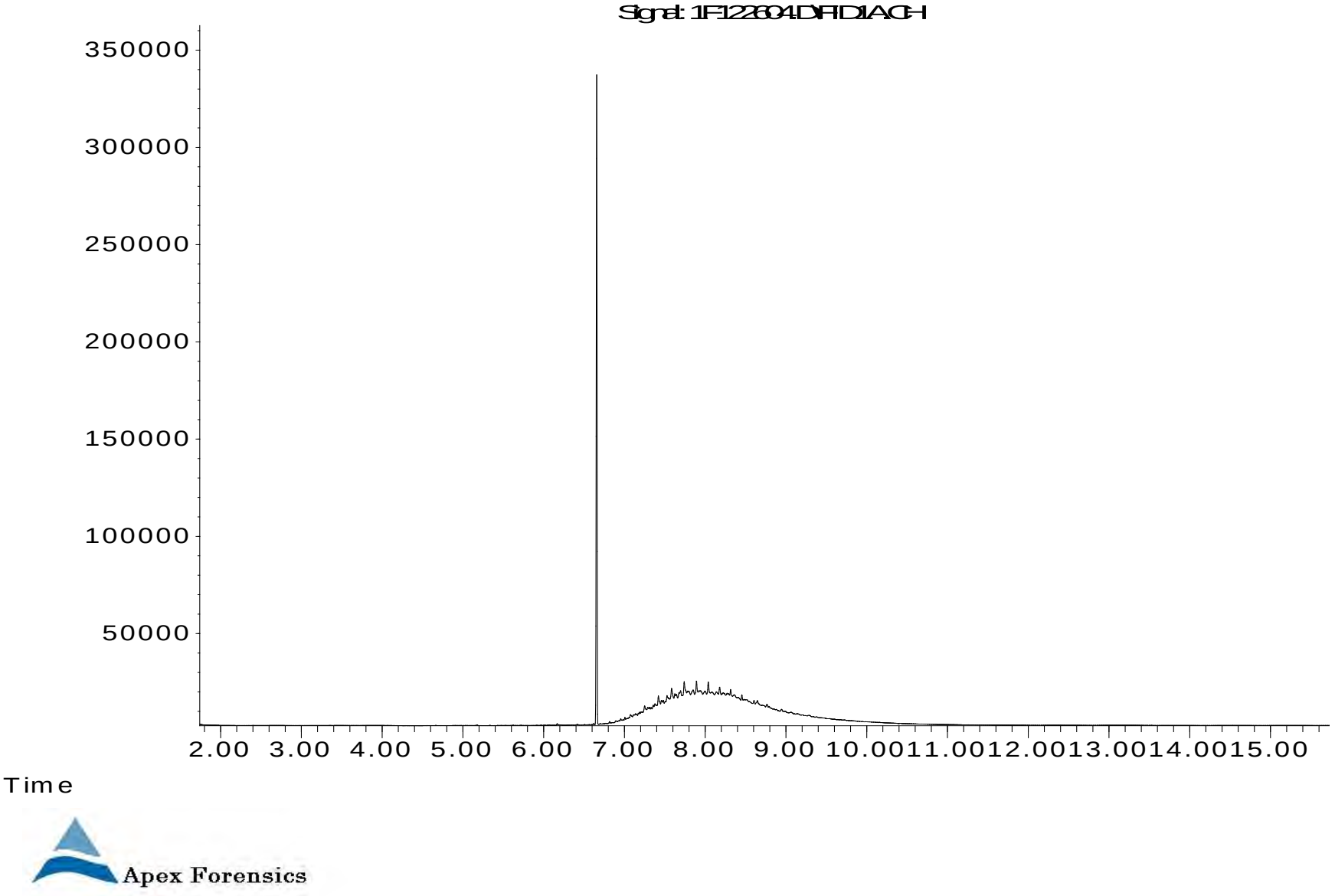
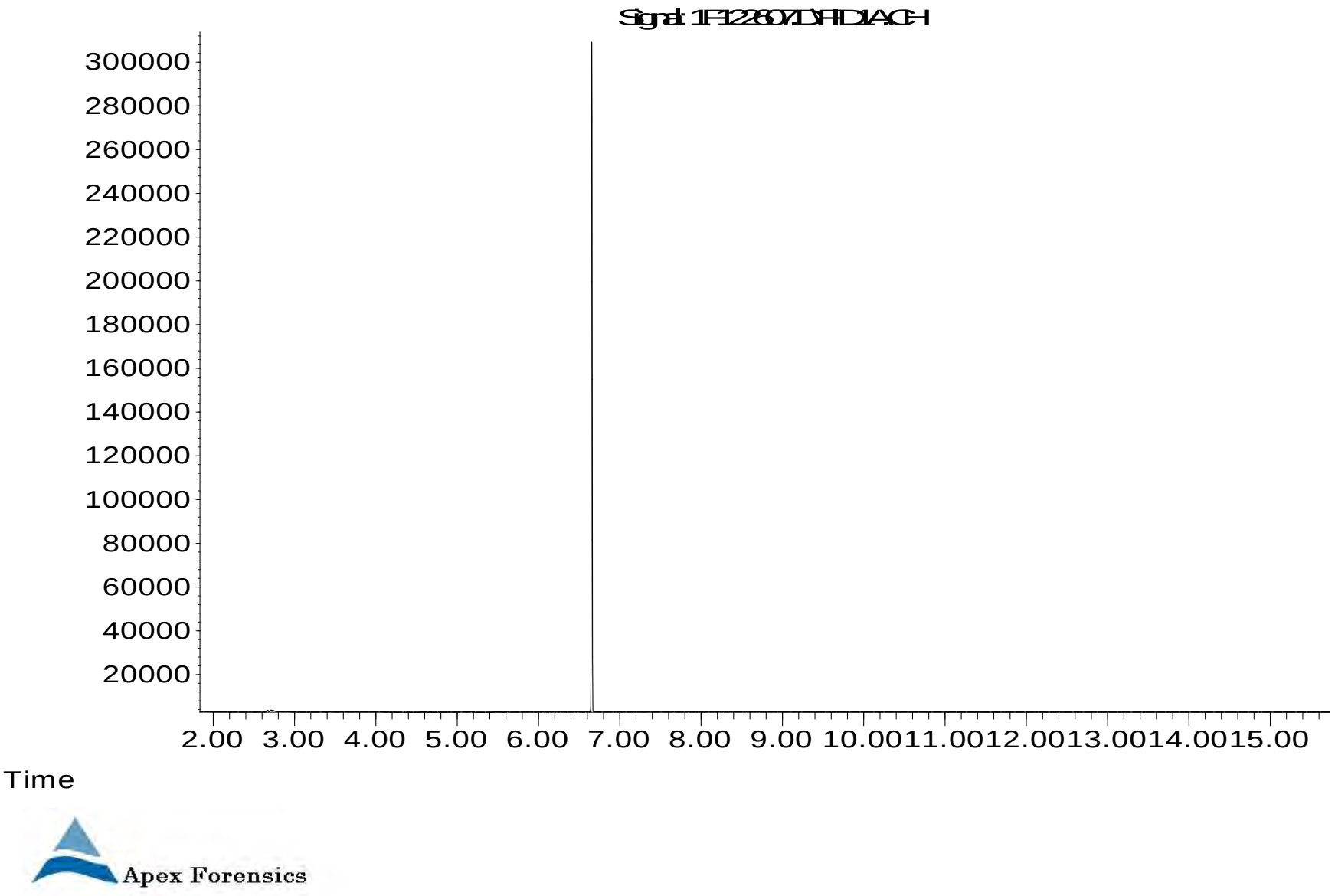
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



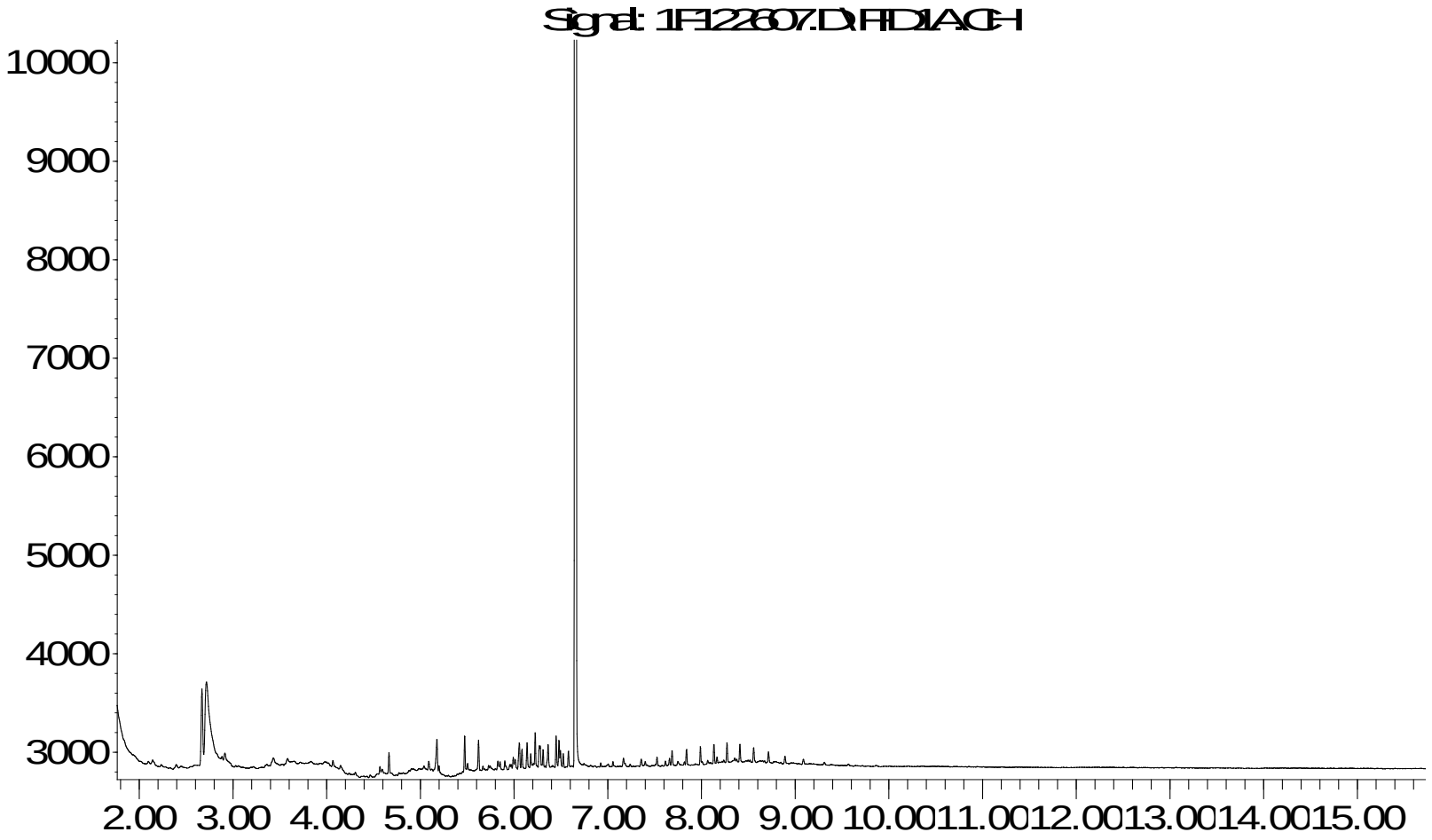
Apex Forensics

QC Sample: Method Blank
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



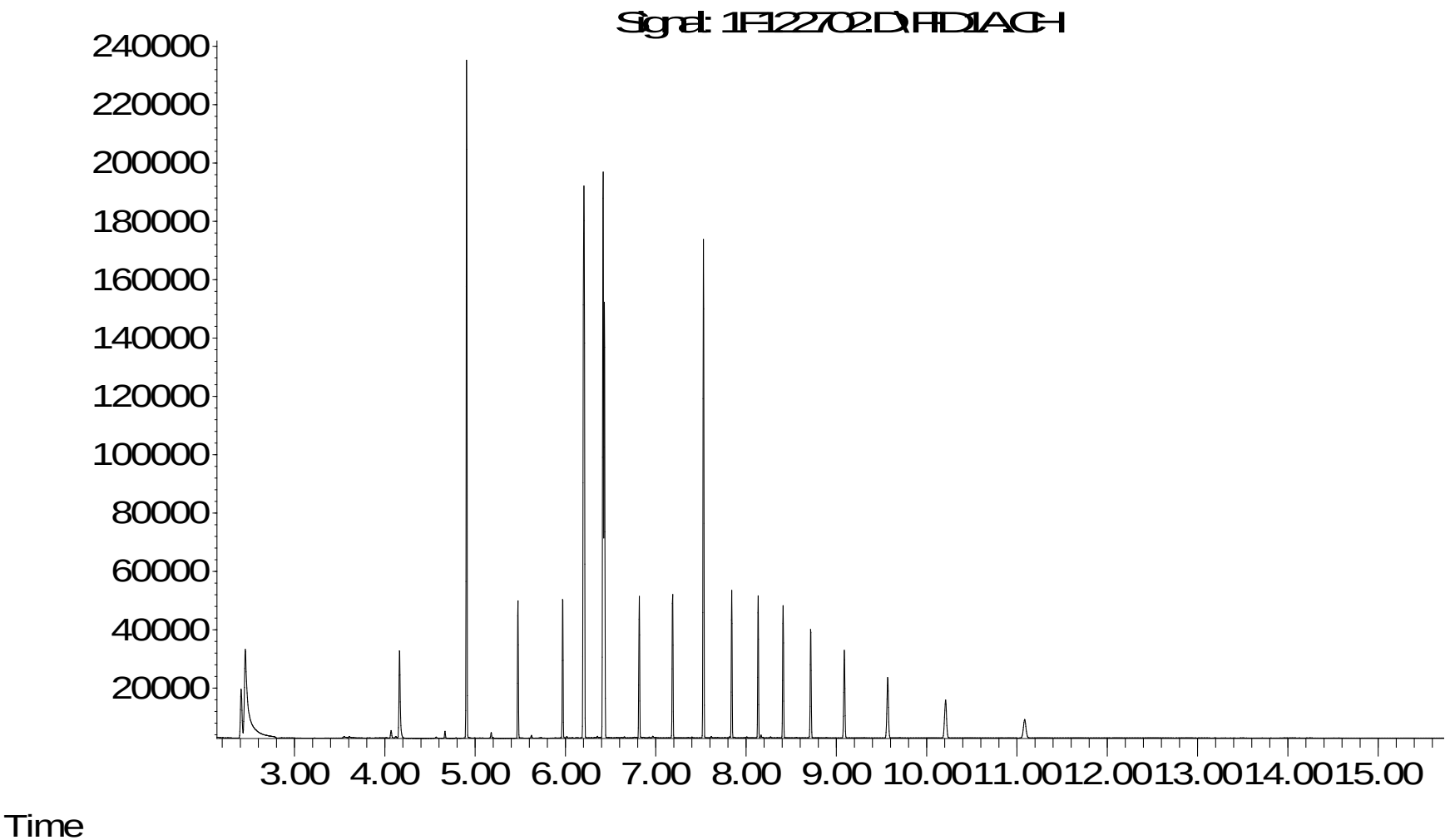
Apex Forensics

QC Sample: Method Blank DETAIL
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 26, 2019



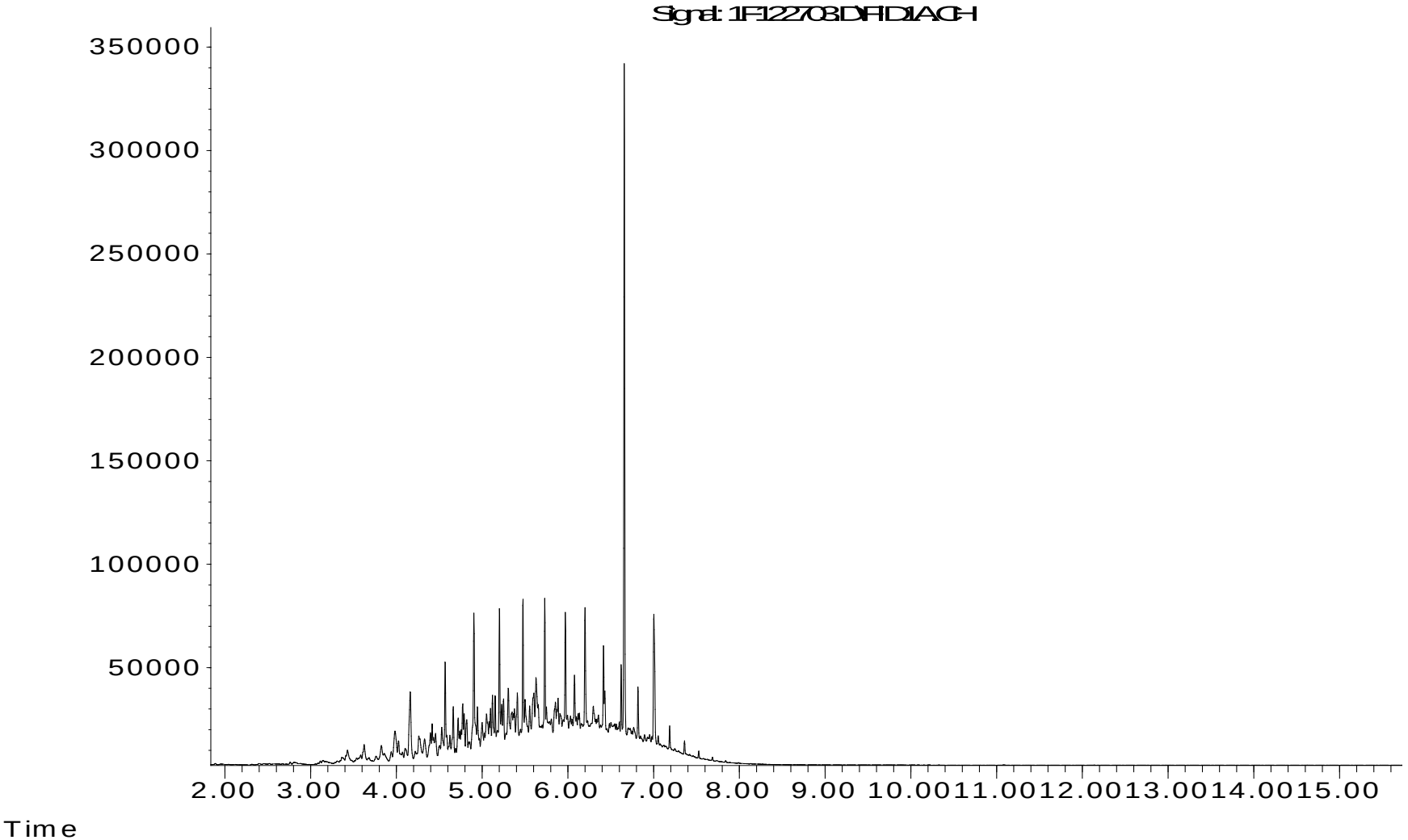
Apex Forensics

QC Sample: 9L27001-Rt Std
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



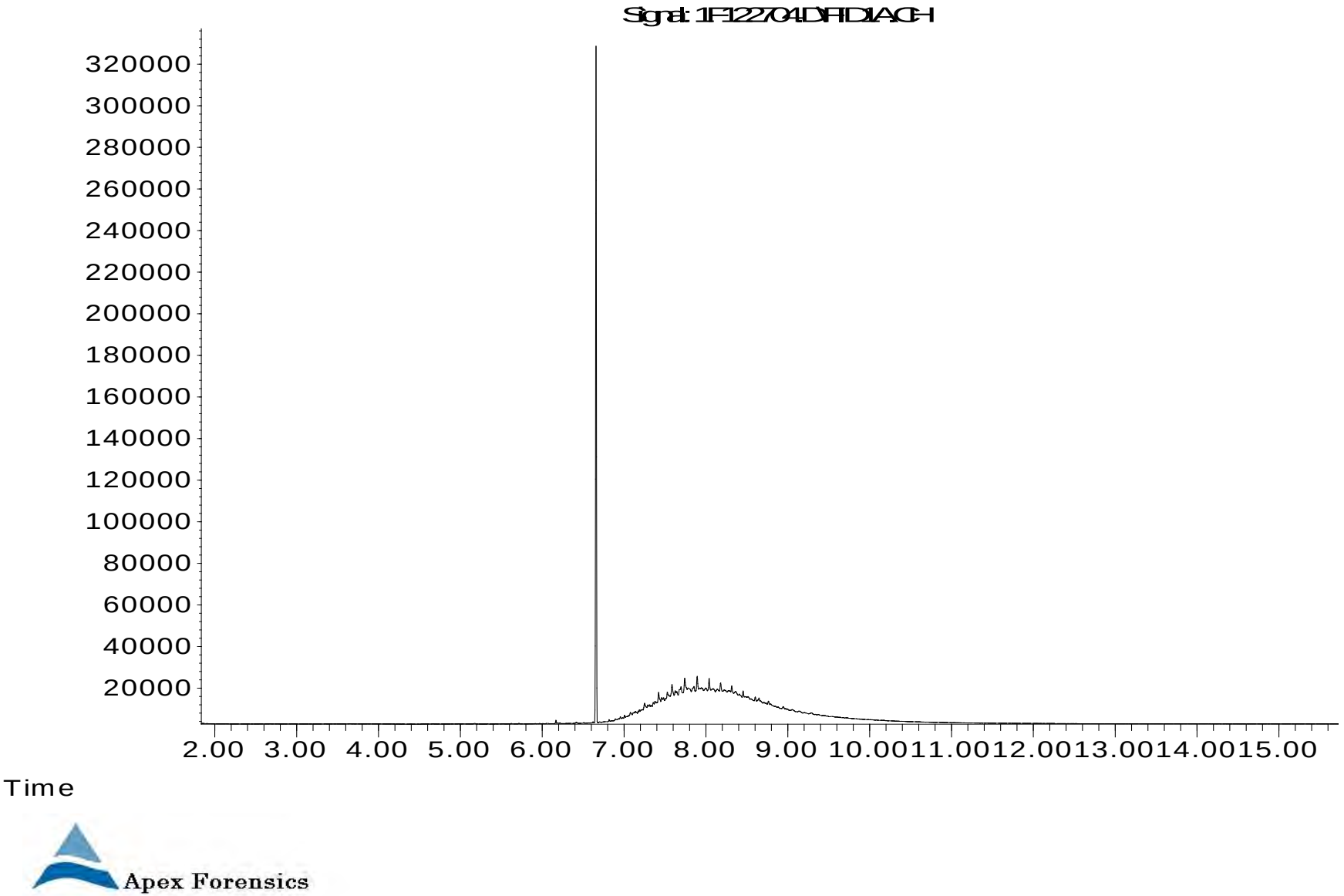
Apex Forensics

QC Sample: 9L27001-CCV1
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



Apex Forensics

QC Sample: 9L27001-CCV2
HydroCon LLC - Coleman Wenatchee
Date Analyzed: December 27, 2019



Apex Forensics

APPENDIX C

DATA QUALITY REVIEW REPORT

TO:	Robert Honsberger & Craig Hultgren (HydroCon)
FROM:	Manon Tanner-Dave
DATE:	January 9, 2020
SUBJECT:	Laboratory Validation Report

HydroCon TOC Site No. Coleman Wenatchee – 2017-074

Sampling Event Type: Water Sampling

Number of Samples: 31

Laboratory Work Order: A9L0812

Final Report Date & Time: December 30, 2019

Analysis & Method

- ☒ Gasoline Range Hydrocarbon (NWTPH-Gx)
- ☒ Diesel Range Hydrocarbon without Silica Gel (NWTPH-Dx) ☐
- ☐ Diesel Range Organics with Silica Gel (NWTPH-DxSG)
- ☐ Volatile Organic Compounds (EPA 8260C)
- ☒ BTEX (EPA 8260C)
- ☐ Total Lead (EPA 6020A), Organic Lead and Manganese Speciation (GC/ECD)
- ☐ Sulfate (300.0)
- ☐ Other

Data Package Completeness:

Data package was complete.

EDD to Hardcopy Verification:

An EDD was not provided.

Technical Data Validation:

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

Holding Times & Sample Receipt:

All holding times and sample receipt were acceptable.

Surrogate Compounds:

All surrogate percent recoveries (%R) were within laboratory limits, with the exceptions noted below:

Sample ID	Laboratory ID	Analysis	Surrogate %R	QC Limits	Qualifier/Comments
MW09R-2	A9L0812-05RE2	NWTPH-Dx	o-Terphenyl: 0%	50-150%	200x sample dilution - surrogate diluted out; no qualifiers applied to the results.
MW17-W	A9L0812-11RE1	NWTPH-Dx	o-Terphenyl: 0%	50-150%	20x sample dilution - surrogate diluted out; no qualifiers applied to the results.
MW29-W	A9L0812-20RE1	NWTPH-Dx	o-Terphenyl: 0%	50-150%	100x sample dilution - surrogate diluted out; no qualifiers applied to the results.
BH01R-W	A9L0812-24RE1	NWTPH-Dx	o-Terphenyl: 0%	50-150%	20x sample dilution - surrogate diluted out; no qualifiers applied to the results.

Associated Matrix Spike/Matrix Spike Duplicate (MS/MSD):

Matrix spikes were analyzed at the appropriate frequency and all %R were within the acceptance criteria, with the following exceptions.

NWTPH-Dx: Laboratory control sample duplicate (LCSD) analyzed in place of matrix spike/duplicate samples due to limited sample amount available for analysis.

Associated Laboratory Duplicate:

Laboratory duplicates were analyzed at the appropriate frequency and all %D were within the acceptance criteria.

Laboratory Control Sample/Laboratory Control Sample Duplicates:

LCS/LCSD were analyzed at the appropriate frequency and all %R were within the acceptance criteria.

Method Blank:

Method blanks were analyzed at the appropriate frequency and were non-detect (ND) for all target analytes.

BTEX: One trip blank (Trip Blank #2201) was collected and analyzed; all results were ND for the target analytes.

Field Duplicate(s):

Three sets of parent/field duplicate samples were collected and analyzed (MW17-W/MW301-W, MW13R-W/MW302-W, and MW20-W/MW303-W); all RPDs were within control limits.

Target Analyte List:

All requested analytes were present.

Reporting Limits (MDL and MRL):

Reporting limits were within the acceptance criteria, with the following exceptions noted below:

Select samples had elevated MRLs due to sample dilution as a result of high analyte concentrations or matrix interference issues. Results were reported from the dilution analyses, as applicable.

Reported Results:

All reported results are acceptable; except for the rejected Oxygenates results.

Laboratory qualifiers for NWTPH-Dx:

- (F-11) The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
    - J/UJ-Other qualify affected results.
- (F-13) The chromatographic pattern does not resemble the fuel standard used for quantitation.
    - J/UJ-Chrom qualify affected results.
- (F-20) Result for Diesel is estimated due to overlap from Gasoline Range Organics or other VOCs.
    - J/UJ-Mi qualify affected results.

Lab Validation Assessment

Analytical results are usable to meet the project objectives.

Data Quality Review Statement for Report

Aside from the data quality issues discussed above, the data quality review identified no concerns with respect to the quality or usability of the data presented herein.

Appendix A. Data Validation Qualifiers and Definitions

The following lists the data validation qualifier codes and their definitions that were assigned to analytical results in this data validation review process.

Data Validation Qualifiers and Definitions:	☐ (R) The sample result is reject due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. ☐ (DNR) Do not report. A more appropriate result is reported from another analysis or dilution.

Appendix B. Data Validation Qualified Summary Table

Laboratory qualifiers:

- (F-11) The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
- (F-13) The chromatographic pattern does not resemble the fuel standard used for quantitation.
- (F-20) Result for Diesel is estimated due to overlap from Gasoline Range Organics or other VOCs.

Validation qualifiers:

- (J) The result is an estimated quantity.

Reason codes:

- Chrom = Chromatographic pattern doesn't match the pattern of the calibration standard.
- Mi = Matrix interference.
- Other = Other, described in data validation report.

Appendix B. Validator Qualified Data Summary Table

Sample	Laboratory ID	Method	Parameter Name	Result	Result Units	Laboratory Qualifier	Validator Qualifier	Reason Code
MW01S-W	A9L0812-01	NWTPH-Dx	Diesel	97.2	µg/L	F-11	J	Other
MW03S-W	A9L0812-02	NWTPH-Dx	Diesel	77.7	µg/L	F-11	J	Other
MW06-W	A9L0812-03	NWTPH-Dx	Diesel	742	µg/L	F-13	J	Chrom
MW08-W	A9L0812-04	NWTPH-Dx	Diesel	1110	µg/L	F-13	J	Chrom
MW09R-W	A9L0812-05RE2	NWTPH-Dx	Diesel	1120000	µg/L	F-13	J	Chrom
MW11-W	A9L0812-06	NWTPH-Dx	Diesel	1060	µg/L	F-13	J	Chrom
MW12-W	A9L0812-07	NWTPH-Dx	Diesel	91.0	µg/L	F-11	J	Other
MW13R-W	A9L0812-08	NWTPH-Dx	Diesel	979	µg/L	F-11	J	Other
MW14-W	A9L0812-09	NWTPH-Dx	Diesel	671	µg/L	F-11, F-20	J	Other, Mi
MW16-W	A9L0812-10	NWTPH-Dx	Diesel	259	µg/L	F-11	J	Other
MW17-W	A9L0812-11RE1	NWTPH-Dx	Diesel	21800	µg/L	F-13	J	Chrom
MW19-W	A9L0812-12	NWTPH-Dx	Diesel	674	µg/L	F-13	J	Chrom
MW20-W	A9L0812-13	NWTPH-Dx	Diesel	967	µg/L	F-13	J	Chrom
MW21-W	A9L0812-14	NWTPH-Dx	Diesel	160	µg/L	F-11	J	Other
MW23-W	A9L0812-15	NWTPH-Dx	Diesel	305	µg/L	F-11	J	Other
MW25-W	A9L0812-16	NWTPH-Dx	Diesel	98.1	µg/L	F-11	J	Other
MW26-W	A9L0812-17	NWTPH-Dx	Diesel	187	µg/L	F-11	J	Other
MW27-W	A9L0812-18	NWTPH-Dx	Diesel	264	µg/L	F-11	J	Other
MW28-W	A9L0812-19	NWTPH-Dx	Diesel	671	µg/L	F-13	J	Chrom
MW29-W	A9L0812-20RE1	NWTPH-Dx	Diesel	129000	µg/L	F-13	J	Chrom

Sample	Laboratory ID	Method	Parameter Name	Result	Result Units	Laboratory Qualifier	Validator Qualifier	Reason Code
MW30-W	A9L0812-21	NWTPH-Dx	Diesel	5410	µg/L	F-13	J	Chrom
MW31-W	A9L0812-22	NWTPH-Dx	Diesel	255	µg/L	F-13	J	Chrom
MW32-W	A9L0812-23	NWTPH-Dx	Diesel	433	µg/L	F-11	J	Other
BH01R-W	A9L0812-24RE1	NWTPH-Dx	Diesel	42800	µg/L	F-13	J	Chrom
BH02-W	A9L0812-25	NWTPH-Dx	Diesel	2230	µg/L	F-13	J	Chrom
BH03-W	A9L0812-26	NWTPH-Dx	Diesel	488	µg/L	F-13	J	Chrom
RW01-W	A9L0812-27	NWTPH-Dx	Diesel	78.7	µg/L	F-11	J	Other
MW301-W	A9L0812-28RE1	NWTPH-Dx	Diesel	16000	µg/L	F-13	J	Chrom
MW302-W	A9L0812-29	NWTPH-Dx	Diesel	1320	µg/L	F-11	J	Other
MW303-W	A9L0812-30	NWTPH-Dx	Diesel	1060	µg/L	F-13	J	Chrom

APPENDIX D

WATER LEVEL AND PRODUCT THICKNESS MEASUREMENTS FORM

Depth to Water/Depth to Product Measurments
Coleman Oil
Wenatchee, Washington

Date: 12/19/2019

Well ID	Total Well Depth (feet bgs)	Well Diameter (inch)	Screened Interval (feet bgs)	Well Casing Elevation (feet[1])	Depth to Water (feet BTOC)	Depth to Product (feet BTOC)	Sheen Detected (Yes/No)
MW01	35.00	2	20-35	658.01	11.84	---	---
MW01S	19.99	4	5.37 - 20.37	657.54	11.97	---	---
MW02	40.00	2	25-40	657.76	11.96	---	---
MW03	35.00	2	25-35	658.26	7.95	---	---
MW03S	19.30	4	4.43 - 19.43	658.17	7.97	---	---
MW04	37.00	2	27-37	657.48	15.80	---	---
MW05	45.00	2	30-45	656.00	38.55	---	---
MW06	18.00	4	8-18	657.70	11.08	---	---
MW07	20.00	4	10-20	657.52	11.95	---	---
MW08	25.00	4	15-25	656.20	16.55	---	---
MW09R	32.60	4	8.59-33.59	653.55	28.20	---	---
MW10R	33.59	4	14.64-34.64	644.30	27.72	---	---
MW11	22.00	4	12-22	658.00	14.29	---	---
MW12	19.52	4	4.63 - 19.63	658.27	8.00	---	---
MW13R	18.46	4	4.23 - 18.23	656.67	8.02	---	---
MW14	20.02	4	5.23 - 20.23	657.15	8.58	---	---
MW15	35.10	4	10.33 - 35.33	654.99	34.94	---	---
MW16	29.15	4	9.28 - 29.28	656.93	9.92	---	---
MW17	29.41	4	9.52 - 29.52	655.55	28.34	---	---
MW18	34.65	4	15.86 - 35.86	654.51	Dry	---	---
MW19	31.48	4	11.66 - 31.66	653.31	30.09	---	---
MW20	29.50	4	9.79 - 29.79	650.85	25.98	---	---
MW21	32.10	4	12.30 - 32.30	643.88	21.79	---	---
MW22	39.10	4	9.19 - 34.19	641.85	25.49	---	---
MW23	22.04	4	7.13 - 22.13	656.91	11.66	---	---
MW24	34.25	4	14.17-34.17	644.38	27.90	---	---
MW25	32.96	4	12.81-32.81	645.57	25.50	---	---
MW26	32.52	4	13.54-33.54	646.65	26.16	---	---
MW27	38.74	4	13.56-38.56	649.00	27.06	---	---
MW28	38.74	4	13.62-38.62	650.64	28.33	---	---
MW29	39.11	4	14.05-39.05	652.34	34.99	---	---
MW30	39.79	4	14.67-39.67	652.83	35.19	---	---
MW31	39.28	4	14.11-39.11	653.97	36.08	---	---
MW32	34.02	4	8.95-33.95	655.83	28.88	---	---
BH01R	39.97	4	14.52-39.52	651.03	34.33	---	---
BH02	35.00	2	20-35	653.77	28.60	---	---
BH03	30.00	2	15-30	648.76	24.31	---	---
RW01	30.00	3	15-30	650.42	22.42	---	---

NOTES:

feet[1] = Elevation is relative to NGVD88
bgs = below ground surface
PVC = polyvinyl chloride
BTOC = below top of casing

NR = Not Recorded
--- = not detected