

SUPPLEMENTAL DATA SUMMARY REPORT

**COLEMAN OIL
3 EAST CHEHALIS STREET
WENATCHEE, WASHINGTON**

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TABLE OF CONTENTS

| | | |
|------------|--------------------------------------------------------------|------------|
| 1.0 | INTRODUCTION..... | 1-1 |
| 2.0 | SITE DESCRIPTION AND OWNERSHIP HISTORY..... | 2-1 |
| 2.1 | SITE AND ADJACENT PROPERTIES DESCRIPTION | 2-1 |
| 2.2 | OWNERSHIP HISTORY AND PROPERTY IMPROVEMENTS | 2-2 |
| 3.0 | SUMMARY OF ENVIRONMENTAL INVESTIGATIONS | 3-1 |
| 3.1 | 2010 TO 2013 ENVIRONMENTAL INVESTIGATIONS | 3-1 |
| 3.2 | 2017 ENVIRONMENTAL INVESTIGATION | 3-3 |
| 4.0 | GEOLOGY AND HYDROGEOLOGY..... | 4-1 |
| 4.1 | SOIL CONDITIONS | 4-1 |
| 4.1.1 | Coleman Oil Property and Chehalis Street | 4-1 |
| 4.1.2 | South Worthen Street..... | 4-5 |
| 4.1.3 | East of South Worthen Street..... | 4-6 |
| 4.2 | HYDRGEOLOGY | 4-8 |
| 4.3 | RIVER LEVELS..... | 4-10 |
| 5.0 | SOIL AND GROUNDWATER RESULTS | 5-1 |
| 6.0 | LIGHT NONAQUEOUS-PHASE LIQUID RECOVERY..... | 6-1 |
| 7.0 | PRELIMINARY CONCEPTUAL SITE MODEL | 7-1 |
| 7.1 | KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS | 7-1 |
| 7.2 | TYPES AND CONCENTRATIONS OF CONTAMINANTS | 7-1 |
| 7.3 | POTENTIALLY CONTAMINATED MEDIA | 7-2 |
| 7.4 | KNOWN AND POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS | 7-2 |
| 8.0 | REFERENCES..... | 8-1 |
| 9.0 | LIMITATIONS..... | 9-1 |
| 9.1 | GENERAL LIMITATIONS | 9-1 |
| 9.2 | LIMITATION ON RELIANCE BY THIRD PARTIES | 9-2 |

FIGURES

- Figure 1 *Site Plan*
- Figure 2 *Cross-Sections A–A', B–B', and C–C'*
- Figure 3 *Groundwater Elevation Contours, April 20, 2017*
- Figure 4 *Groundwater Elevation Contours, September 28, 2017*
- Figure 5 *Groundwater Analytical Results for April and September 2017*

TABLES

- Table 1 *Groundwater and LNAPL Elevation Data*
- Table 2 *Soil Analytical Results for TPH and BTEX*
- Table 3 *Groundwater Analytical Results for TPH and BTEX*
- Table 4 *Light Nonaqueous-Phase Liquid Recovery*

APPENDICES

- Appendix A *Boring Logs*
- Appendix B *Laboratory Analytical Reports*

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Supplemental Data Summary Report (SDS Report) on behalf of Coleman Oil Company (Coleman Oil) to summarize the ongoing and completed environmental investigation activities that have been conducted in 2017 in response to a release of renewable diesel fuel from leaking underground piping at the Coleman Oil fuel storage facility at 3 Chehalis Street in Wenatchee, Washington (herein referred to as the Coleman Oil Property). The SDS 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 the Washington State Department of Ecology (Ecology) with an effective date of September 18, 2017 (Agreed Order). The Agreed Order is a continuation of previous and ongoing significant oil spill response activities and removal actions conducted under the Administrative Order on Consent for Removal Activities issued by the U. S. Environmental Protection Agency (EPA) on May 5, 2017 (EPA Docket No. CWA-10-2017-0114).

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), comprises the portion of the Coleman Oil Property and adjacent properties where hazardous substances have come to be located in soil, groundwater, and surface water at concentrations exceeding applicable cleanup levels (herein referred to as the Site) as a result of releases at the Coleman Oil Property.

The SDS Report is organized as follows:

- **Section 2, Site Description and Ownership History**, provides a description of the Site and adjacent properties, and Coleman Oil Property ownership and improvements.
- **Section 3, Summary of Environmental Investigations**, describes the environmental investigations that have been completed at the Site.
- **Section 4, Geology and Hydrogeology**, summarizes the geologic and hydrogeologic conditions documented in the Site characterization activities completed to date.
- **Section 5, Soil and Groundwater Results**, summarizes the soil and groundwater sampling results from the investigation and monitoring activities conducted in 2017.

- **Section 6, Light Nonaqueous-Phase Liquid Recovery**, summarizes the light nonaqueous-phase liquid (LNAPL) recovery operations conducted to date at the Site.
- **Section 7, Preliminary Conceptual Site Model**, presents a preliminary conceptual model for the Site.
- **Section 8, References**, lists the references cited in the SDS Report.

2.0 SITE DESCRIPTION AND OWNERSHIP HISTORY

This section includes an overview description of the Site and adjacent properties, and the Coleman Oil Property ownership history and property improvements.

2.1 SITE AND ADJACENT PROPERTIES DESCRIPTION

The Coleman Oil Property is located at 3 East Chehalis Street in Wenatchee, Washington (Figure 1). The Chelan County Assessor (2017) online records listed the street address as 600 South Worthen Street with a legal description of Manufacturers Amended Block 4 Lots 1-9, 1.27 acres. The Coleman Oil Property was listed in the Chelan County Assessor (2017) online records as County Assessor Property Identification No. 10398, Treasurer Map Property Identification No. (Property ID) 55798, and Chelan County Assessor Parcel No. 222011693005 with a listed owner of Coleman Services V LLC.

The Site comprises the following four parcels:

- Chelan County Parcel No. 222011693005 with a listed owner of Coleman Services V LLC;
- Chelan County Parcel No. 222010693001 with a listed owner of Chelan County Public Utilities Department (PUD);
- Chelan County Parcel No. 222011693105 with a listed owner of Chelan County PUD; and
- Chelan County Parcel No. 222011693100 with a listed owner of Chelan County PUD.

Directly adjacent to the Coleman Oil Property are Chehalis Street to the north, South Worthen Street and the Columbia River to the east, and BNSF Railway Company railroad tracks to the west. Adjacent parcels and property owners include:

- Chelan County Parcel No. 222010693001 (Property ID 54389) at 500 South Worthen Street, north of the Coleman Oil Property, with a listed owner of Chelan County PUD;
- Chelan County Parcel No. 222011693105 (Property ID 55806) with no assigned street address, east of South Worthen Street and northeast of the Coleman Oil Property, with a listed owner of Chelan County PUD;

- Chelan County Parcel No. 222011693100 (Property ID 55805) with no assigned street address, east of South Worthen Street and the Coleman Oil Property, with a listed owner of Chelan County PUD;
- Chelan County Parcel Nos. 222011693015, 22011693020, and 222011693030 (Property ID 55799, 55800, and 55801, respectively) at 700 South Worthen Street, south of the Coleman Oil Property, with a listed owner of Albert G. Junior and Joanne Dalinkus; and
- Chelan County Parcel No. 222010815425 (Property ID 55079) at South Columbia Street, west of the Coleman Oil Property, with a listed owner of Piepel Premium Fruit Storage, LLC.

2.2 OWNERSHIP HISTORY AND PROPERTY IMPROVEMENTS

The historical information provided herein regarding the Coleman Oil Property was acquired from the *Environmental Site Assessment/ASTM E1527-05 at Coleman Oil Company Wenatchee Cardlock/Bulk Facility, 3 Chehalis St./600 Worthen St., Wenatchee, Washington 98801* dated February 28, 2007, prepared for Bank of Whitman by Blue Mountain Environmental Consulting, Inc. (2007); and the Chelan County Assessor and Treasurer website (Chelan County Assessor 2017).

The Coleman Oil Property was first owned and occupied by Standard Oil Company and has been a bulk fuel facility since 1921. Based on information obtained from Sanborn maps, two vertical gasoline aboveground storage tanks (ASTs), four oil ASTs, one kerosene AST, and four structures were present on the Coleman Oil Property in the 1920s. The number and configurations of ASTs have changed over time. A 4,000-square-foot, wood-framed building used for offices and warehouse storage was constructed on the northwestern corner of the Coleman Oil Property in 1935. By the 1950s, a tank farm was present on the south-central portion of the Coleman Oil Property and included 10 approximately 20,000-gallon vertical ASTs.

The Chelan County Assessor (2017) online records indicated that North Central Petroleum, Inc. purchased the Coleman Oil Property in 1980. In the early 1990s, a tank farm was present south of the warehouse and office building and contained eleven 19,000-gallon horizontal ASTs and one 1,000-gallon horizontal waste oil AST. An underground storage tank (UST) and cardlock system

were installed in 1997, which included inventory control and tank monitoring features and two pump islands (Blue Mountain Environmental Consulting, Inc. 2007).

Coleman Services IV, LLC purchased the Coleman Oil Property in January 2007 from North Central Petroleum, Inc (Chelan County Assessor 2017). Some features of the Coleman Oil Property were modified over the next 10 years. The eleven 19,000-gallon ASTs were replaced by eight 2,100-gallon ASTs (Tank Farm B) (Figure 1), and one of the two pump islands was dismantled. From 2010 to 2017, the Coleman Oil Property included a 4,000-square-foot, wood-framed building used for offices and warehouse storage; a 1,591-square-foot, wood-framed storage building on the northeastern corner of the Coleman Oil Property; a truck fuel-loading rack east of the warehouse and office building; a four-compartment UST and associated card lock pump island on the eastern and south-central portions of the Coleman Oil Property; and two tank farms (Figure 1). Tank Farm B, south of the warehouse and office building, included eight 2,100-gallon petroleum ASTs and associated pumps (Figure 1). The tank farm on the south-central portion of the Coleman Oil Property included two 25,000-gallon ASTs, two 20,000-gallon ASTs, one 19,500-gallon AST, five 19,400-gallon ASTs, and associated pumps and piping (Tank Farm A) (Figure 1). The northern portion of the Coleman Oil Property was fenced, including the buildings, bulk fuel tank farms, and truck fuel-loading rack. The card lock pump island was present south of and outside of the fence (Blue Mountain Environmental Consulting, Inc. 2007).

In March and April 2017, the truck fuel-loading rack, associated piping, and the eight 2,100-gallon ASTs in Tank Farm B were dismantled and removed from the Coleman Oil Property. In June and July 2017, the 4,000-square-foot, wood-framed warehouse and office building and the 1,591-square-foot storage building were demolished and removed, and the remaining ASTs were emptied of petroleum and cleaned. Currently, only the UST and card lock pump island are used in operations conducted at the Coleman Oil Property.

3.0 SUMMARY OF ENVIRONMENTAL INVESTIGATIONS

The following sections describe the environmental investigations that have been completed at the Site.

3.1 2010 TO 2013 ENVIRONMENTAL INVESTIGATIONS

On June 2, 2010, a review of daily inventory records for AST 15A by Coleman Oil personnel revealed a discrepancy of approximately 180 gallons of unleaded gasoline (Farallon 2014). Subsequent inspection of AST 15A and associated piping revealed gasoline leaking from a fill valve and flowing onto the concrete ground surface in the AST 15A valve control box on the southern portion of Tank Farm A. In addition, gasoline was observed on the ground surface east of the AST 15A valve control box in an unpaved area between the Tank Farm A containment area and the south-adjacent former fuel dispenser island. Coleman Oil personnel immediately stopped the flow of gasoline from the AST to the leaking fill valve; contacted emergency spill response contractor NRC Environmental Services, Inc. of Spokane, Washington (NRCES) to address the spill; and reported the spill to the appropriate regulatory agencies.

The gasoline release appeared to be limited to a narrow unpaved area between the Tank Farm A containment area and the south-adjacent former fuel dispenser island (Figure 1). NRCES excavated soil containing gasoline from this area to a depth of approximately 2 feet below ground surface (bgs) using hand tools. Feasible alternatives for excavation of additional material between the Tank Farm A containment area and the south-adjacent former fuel dispenser island were limited due to concerns regarding the structural integrity of the Tank Farm A containment area and the presence of large boulders in the excavation area.

Initial follow-up characterization activities conducted by Environmental Compliance Associates, LLC of Kennewick, Washington included completion of shallow borings using a push-probe drilling rig and completion of a deeper boring using an air rotary drilling rig. Results of the follow-up characterization indicated that concentrations of total petroleum hydrocarbons as gasoline-range organics (GRO) and benzene, toluene, ethylbenzene, and xylenes (BTEX) in soil decreased significantly with distance both laterally and vertically from the spill area.

Farallon (2014) conducted a subsurface investigation at the Site in July and September 2010 to evaluate whether the surface spill of gasoline had migrated beneath the Site to a deeper groundwater-bearing zone that may be in hydraulic communication with surface water in the adjacent Columbia River. Monitoring wells MW-1 through MW-4 were installed on the Coleman Oil Property, and monitoring well MW-5 was installed east of South Worthen Street (Figure 1).

Groundwater samples were collected from the monitoring wells on an approximately quarterly basis from soon after installation in July and September 2010 until 2013 depending on the well locations (Farallon 2014). GRO was detected at a concentration exceeding the MTCA Method A cleanup level on one occasion in a groundwater sample collected from monitoring well MW-1. Benzene was detected at concentrations exceeding the MTCA Method A cleanup level on five occasions in 2010 and 2011 in groundwater samples collected from monitoring wells MW-1 and MW-2. With the exception of a single detection of benzene at a concentration less than the MTCA Method A cleanup level in the groundwater sample collected from monitoring well MW-4 in October 2010, GRO and BTEX were not detected at concentrations exceeding laboratory reporting limits in groundwater samples collected from monitoring wells MW- 3 through MW-5.

On May 30, 2013, a gasoline spill occurred at the Site while the UST on the eastern portion of the Site that supplied fuel to the retail sales card lock fuel island was being filled. The spill was reported to the National Response Center and issued Case No. 1048904. Based on the letter report regarding Report for a Gasoline Spill for Coleman Oil, Located at the Coleman Oil Bulk Plant, 3 Chehalis Street, Wenatchee, Washington dated July 1, 2013, from Mr. Kipp Silver of Able Clean-up Technologies, Inc. (Able) to Mr. Mark Sater of Coleman Oil (Able 2013), approximately 200 gallons of gasoline overtopped the UST fill port and spilled onto the soil surrounding the UST. Able responded to the incident on May 31, 2013 and began excavation of the impacted soil. A total of 90.08 tons of petroleum-impacted soil was removed from around the UST. The final excavation exposed the UST and was 21 feet long by 18 feet wide, and extended to a depth of 12 feet bgs. Confirmation soil samples collected from the final limits of the excavation confirmed removal of petroleum-impacted soil to less than MTCA Method A cleanup levels. No groundwater was encountered during excavation.

Ecology (2015) issued a No Further Action determination for the Coleman Oil Property in a letter dated March 13, 2015. The No Further Action determination was contingent on compliance with the Environmental Covenant recorded on October 6, 2014 with Chelan County that specified restrictions and requirements related to residual concentrations of petroleum hydrocarbons at concentrations exceeding MTCA cleanup levels in soil in the area of Tank Farm A.

3.2 2017 ENVIRONMENTAL INVESTIGATION

On March 17, 2017, the Wenatchee Fire Department reported the presence of a sheen and petroleum odor on the Columbia River between Thurston and Chehalis Streets in Wenatchee, Washington. On March 18, 2017, the U.S. Environmental Protection Agency (EPA), Ecology, and Chelan County Emergency Management formed a Unified Command to respond to the occurrence of the sheen. The initial spill response activities included deployment of booms and sorbent pads in the area of the observed sheen on the Columbia River.

On behalf of Coleman Oil, a subcontractor conducted a line tightness test on March 24, 2017 on underground fuel lines associated with ASTs at Tank Farm A on the Coleman Oil Property. Two of the fuel lines would not hold pressure: the R99 renewable diesel fuel line and the B75 biodiesel fuel line. Coleman Oil closed and locked the B75 biodiesel fuel AST, and closed and locked the isolation valves from the pumps to each of the fuel lines. Review of Coleman Oil inventory records indicated that the release was most likely from the R99 renewable diesel fuel line.

Able, on Coleman Oil's behalf, assumed management of the booms and curtains placed to contain the sheen on the Columbia River on March 26, 2017. Able conducted hourly inspections of the sorbent pads, curtains, and booms placed where a sheen is observed on the Columbia River until the week of June 6, 2017, at which point Anchor QEA of Wenatchee, Washington took over the boom and curtain management on Coleman Oil's behalf. Additional details on the timeline and spill response actions are provided in *Emergency Spill Response Plan, Coleman Oil Wentachee [sic] Facility, 3 East Chehalis Street, Wenatchee, Washington* dated April 1, 2017, prepared by Farallon (2017) (ESRP). The scope of work presented in the ESRP was initiated immediately following approval from Ecology and EPA. The scope of work for the ESRP was expanded by Coleman Oil during implementation to expedite the Site characterization process and cleanup.

Farallon collected groundwater samples from monitoring wells MW-1, MW-2, MW-4, and MW-5 on March 23, 2017 to assess whether the release of renewable diesel had impacted groundwater in the existing Site monitoring wells.

Monitoring wells BH-1 through BH-3 were installed by Ecology consultant Environmental Partners, Inc. of Issaquah, Washington on March 25 and 26, 2017 along South Worthen Street adjacent to the area where the sheen discharge was observed on the Columbia River. On March 26, 2017, Coleman Oil decommissioned the fuel lines that would not hold pressure. All fuel associated with the ASTs in Tank Farm A was subsequently removed from the Coleman Oil Property and transported to other Coleman Oil facilities.

Following approval of the ESRP, Coleman Oil initiated additional investigative work at the Site. On April 4 and 5, 2017, trenching was conducted to assess subsurface conditions north and east of the truck fuel-loading rack area, including the location of a former drywell on the east-central portion of the Coleman Oil Property (Figure 1). On April 6 and 7, 2017, direct-push borings FB-3 through FB-10 were advanced along South Worthen Street, Chehalis Street, and the northern portion of the Coleman Oil Property. Between April 10 and 14, 2017, monitoring wells MW-6 through MW-11, potential LNAPL recovery well RW-1, and boring FB-11 were installed at various locations across the Site. The monitoring wells were constructed using either 3- or 4-inch-diameter well materials so that the wells could be used for LNAPL recovery, if necessary. Conditions encountered in the borings are discussed in Section 4, Geology and Hydrogeology. Soil and groundwater analytical results are summarized in Section 5, Soil and Groundwater Results. Concurrent with the monitoring well installation activities, the truck fuel-loading rack and subsurface piping leading to the rack were removed. Following the discovery of red-colored LNAPL on perched groundwater in the area of the truck fuel-loading rack, a groundwater recovery sump was fabricated and installed in the excavation at this location. The R99 renewable diesel is a red-dyed product very similar in color to traditional diesel fuels dyed for identification for off-road use.

Site-wide groundwater monitoring and sampling of new and existing monitoring wells was conducted on April 20 and 21, 2017.

Test pits were installed on the southern, eastern, and northern sides of the warehouse and office building at the Coleman Oil Property to help delineate the extent of LNAPL observed in the truck fuel-loading rack area excavation. Recovery sumps 1 through 3 were installed at three locations along the eastern side of the warehouse and office building, recovery sump 4 was installed in the excavation south of the warehouse and office building, and recovery sump 6 was installed north of the warehouse and office building. Recovery sump 5 was installed in the northeastern corner of the Coleman Oil Property, where the former storage building was located (Figure 1). During the test pit excavations, a substance that appeared to be red LNAPL was observed to flow into the excavations from beneath the warehouse and office building. For several days, water and LNAPL were pumped from the recovery sumps into a 10,000-gallon baffle tank with an oil-water separator. The pumps were turned off on April 26, 2017 to facilitate an assessment of the rate of LNAPL recovery into the sumps. Following the assessment, the depth to groundwater began to drop in elevation to below some of the recovery sumps, and recovery of LNAPL diminished. Periodic pumping of groundwater from the recovery sumps continued in an attempt to draw LNAPL to the sumps, but LNAPL recovery continued to diminish and LNAPL currently is recovered using sorbent pads placed in the recovery sumps and periodic pumping. As of September 28, 2017, groundwater was only present in recovery sumps 2, 5, and 6. LNAPL continues to be recovered from the recovery sumps and monitoring wells. Section 6, Light Nonaqueous-Phase Liquid Recovery, provides information on the volume of LNAPL recovered from structures at the Site.

LNAPL bail-down tests were performed on monitoring wells MW-8, MW-9, and BH-2 on May 1, 2017 to estimate the formation transmissivity for evaluation of the feasibility of hydraulic recovery of LNAPL. The bail-down tests were performed by evacuating LNAPL from the monitoring wells using a peristaltic pump, and monitoring the depth to LNAPL and depth to groundwater during recovery after the pumping was terminated. The LNAPL bail-down testing results indicated that the estimated transmissivity values exceed the generally accepted lower limit for practicable hydraulic recovery by a factor of greater than 2; therefore, LNAPL recovery via pumping wells can be considered as a viable cleanup alternative.

Site-wide groundwater monitoring and sampling of new and existing monitoring wells was conducted on September 28 and 29, 2017.

4.0 GEOLOGY AND HYDROGEOLOGY

4.1 SOIL CONDITIONS

The soil conditions encountered in the boring and in borings for monitoring wells are described below by geographic areas of the Site. Boring logs are provided in Appendix A. Geologic cross-sections of the Site are provided on Figure 2.

4.1.1 Coleman Oil Property and Chehalis Street

Soil encountered in the test pits and excavations on the Coleman Oil Property consist of a heterogenous mixture of sand, gravel, and silt. Boulders in excess of 4 feet in diameter were encountered in this area, which suggests that the material is native rather than fill.

Push-probe boring FB-3 was installed north of Chehalis Street and the Coleman Oil Property on April 6, 2017 (Figure 1). Push-probe borings FB-4 and FB10 were installed on the Coleman Oil Property on April 6 and 7, 2017 (Figure 1). Boring FB-11 was installed north of the warehouse and office building using an air rotary drill rig on April 13, 2017 (Figure 1). Boring logs pertaining to the subsurface investigation activities at the Site are provided in Appendix B.

Monitoring wells MW-6 through MW-9 were installed on April 11 and 12, 2017 on and north-adjacent to the Coleman Oil Property using air rotary drilling methods. Monitoring well MW-10 was installed on April 14, 2017 east of South Worth Street and north of monitoring well BH-3. Soil conditions encountered in the borings for the monitoring wells are described below by well, and boring logs are provided in Appendix B. The cross-sections for select boring and monitoring wells are provided on Figure 2. The borings for the monitoring wells installed on the Coleman Oil Property in 2017 were cleared with an air knife and vacuum truck to 5 feet bgs; therefore, the upper 5 feet of soil in the borings was not observed.

Push-Probe Boring FB-3

Push-probe boring FB-3 was installed north of Chehalis Street and the Coleman Oil Property (Figure 1). Push-probe boring FB-3 encountered primarily silty sand and sand with silt to a depth of 9.7 feet bgs, underlain by gravel from 9.7 to 12.7 feet bgs, and sand with silt and silty sand from 12.7 feet bgs to the total depth of the boring at 15.5 feet bgs. Evidence of petroleum hydrocarbon

impacts included photoionization detector (PID) readings ranging from 149 to 522 parts per million (ppm)¹, and hydrocarbon odors in soil samples collected between depths of approximately 12.5 and 15.0 feet bgs. The measured depth to groundwater in the boring was 13.0 feet bgs at the time of drilling.

Push-Probe Boring FB-4

Push-probe boring FB-4 was installed west of the former storage building on the Coleman Oil Property (Figure 1). The boring encountered refusal at a depth of 3.0 feet bgs.

Push-Probe Boring FB-10

Push-probe boring FB-10 was installed west of boring FB-4 (Figure 1). The boring encountered interbedded gravel, silt, and sand to a depth of 5.8 feet bgs. There was no soil recovery from the boring from 5.8 to 12.0 feet bgs. Interbedded gravel, silt, and sand were encountered from 12.0 to 17.3 feet bgs, with no recovery from 17.3 feet bgs to the total depth of the boring at 20.0 feet bgs. Evidence of petroleum hydrocarbons impacts included PID readings ranging from 267 to 1,486 ppm and hydrocarbon odors in soil samples collected between depths of approximately 12.0 and 17.3 feet bgs. The highest PID reading was from silty sand collected at a depth of 17.1 feet bgs. The measured depth to water in the boring was 13.5 feet bgs at the time of drilling.

Boring FB-11

Boring FB-11 was installed north of the warehouse and office building (Figure 1). No soil was recovered in the upper 10 feet of the boring. Interbedded cobbles and silt were encountered between 10.0 and 12.8 feet bgs. Silt was encountered from 15.0 feet bgs to the total depth of the boring at 25.2 feet bgs. A solvent-like odor and PID readings of 1,297 and 1,942 ppm were noted for silty soil from approximately 15.0 to 16.5 feet bgs. PID readings were less than 1.0 ppm in soil samples collected above and below this interval. Saturated conditions were not observed in the boring.

¹ Parts per million total organic vapors as calibrated to 100 parts per million isobutylene span gas and ambient air zero gas.

Monitoring Well MW-6

Monitoring well MW-6 was installed north of the truck fuel-loading rack approximately 20 feet north of the area of the renewable diesel piping leak (Figure 1). The boring encountered gravel at 5 feet bgs underlain by gravelly silt to 10.8 feet bgs. Elevated PID readings ranging from 106 to 302 ppm were observed in gravelly silt, well-graded sand, and silty gravel between 10.0 and 15.6 feet bgs. Saturated conditions were observed at a depth of approximately 10 feet bgs at the time of drilling. Depths to water measured in the monitoring well ranged from 9.40 to 11.51 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1). No LNAPL has been detected in monitoring well MW-6.

Monitoring Well MW-7

Monitoring well MW-7 was installed east of monitoring well MW-6 (Figure 1) in the likely down-gradient direction of groundwater flow based on the data obtained from previous monitoring of groundwater monitoring wells MW-1 through MW-5 in 2010 through 2013. Suspected boulders and cobbles were encountered in the upper soil, with no sample recovery above 12.7 feet bgs. Evidence of potential petroleum hydrocarbon impacts in the boring included a petroleum-like odor noted in drill cuttings at a depth of 9 feet bgs, a PID reading of 38.8 in a soil sample of silt at a depth of 13.0 feet bgs, and a light sheen in silt collected over the interval from 17.0 to 17.5 feet bgs. The measured depth to water in the boring was 12.95 feet bgs at the time of drilling. Depths to water measured in the well have ranged from 9.64 to 12.46 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1). No LNAPL has been detected in monitoring well MW-7.

Monitoring Well MW-8

Monitoring well MW-8 was installed north of the former storage building, south of Chehalis Street (Figure 1). Sandy silt and silt were encountered between 5.5 and 11.0 feet bgs in the boring for monitoring well MW-8. Soil sample recovery was generally poor below 11.0 feet bgs in the boring. Cobbles and silt were encountered between 12.5 and 13.0 feet bgs, sand at 15.0 to 15.4 feet bgs, and silt at 17.5 to 17.6 and 20.0 to 20.2 feet bgs, with no recovery in the intervening sampling intervals. The highest PID reading of 75.0 ppm and a petroleum-like odor were observed

in a silt sample collected at a depth between 12.6 to 12.8 feet bgs. The measured depth to water in the boring was 16.5 feet bgs at the time of drilling. Depths to water measured in the monitoring well have ranged from 13.47 to 18.10 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

An LNAPL thickness of 2.21 feet was measured in monitoring well MW-8 on April 13, 2017, 2 days after installation of the monitoring well. The LNAPL and groundwater in the monitoring well were evacuated using a vacuum truck on April 13, 2017. The LNAPL thickness measured in the monitoring well was only 0.01 foot on April 20, 2017. The LNAPL accumulated subsequent to the vacuum truck removal in the monitoring well and the maximum thickness measured to date was 2.53 feet on May 1, 2017. Ongoing passive and active LNAPL recovery has been conducted in monitoring well MW-8 since April 2017; therefore, the rate of LNAPL thickness recovery in the well currently is unknown. The monitoring wells were last gauged on September 28, 2017, and sorbent socks were removed from the wells 2 days prior. No LNAPL was detected during the September 28, 2017 water-level gauging event.

Monitoring Well MW-9

Monitoring Well MW-9 was installed north of monitoring well MW-8 on the northern side of Chehalis Street (Figure 1). Soil sample recovery was generally poor in the boring for the monitoring well. Gravel, silty sand with gravel, and silt were encountered between 5.0 and 12.6 feet bgs. Silt was encountered between 12.6 and 15.2 feet bgs, underlain by cobbles, gravel, and gravelly silt to 18.5 feet bgs. Silt was encountered in soil samples collected between 18.5 feet bgs and the total depth of the boring at 24.5 feet bgs. Evidence of petroleum hydrocarbon impacts in the boring included PID readings of 172 and 224 ppm in soil samples collected at depths of 15.6 and 18.7 feet bgs, and petroleum-like odors and sheens in soil samples collected at depths between 15.2 and 21.8 feet bgs. The measured depth to water in the boring was 16.9 feet bgs at the time of drilling. Depths to water measured in the monitoring well have ranged from 13.56 to 22.69 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

LNAPL was first detected in monitoring well MW-9 on April 27, 2017 at a thickness of 0.70 foot 15 days after installation. An LNAPL thickness of 1.27 feet was measured in monitoring well MW-9 on May 1, 2017. The LNAPL was subsequently periodically pumped from the monitoring well between May 2 and 19, 2017, and sorbent socks have been placed in the well since May 20, 2017. No LNAPL was detected during the September 28, 2017 water-level gauging event, 2 days after removal of the sorbent sock for the September 2017 monitoring event.

Monitoring Well MW-11

Monitoring Well MW-11 was installed west of the former storage building between the area of the renewable diesel piping leak and monitoring wells MW-8 and MW-9 (Figure 1). Soil sample recovery was generally poor in the boring for the monitoring well. Boulders with cobbles were encountered from 5.0 to 17.7 feet bgs, with silt interbeds at 5.3 to 6.0 and 13.1 to 13.5 feet bgs. Silt was encountered below 17.7 feet bgs to the total depth of the boring at 22.3 feet bgs. Evidence of petroleum hydrocarbon impacts in the boring included a PID reading of 75.9 ppm in silty soil samples collected at a depth of 13.2 feet bgs, and petroleum-like odor and sheen in soil samples collected at depths between 12.9 to 13.5 feet bgs. The measured depth to water in the boring was 13.83 feet bgs at the time of drilling. Depths to water measured in the well have ranged from 13.45 to 14.65 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

An LNAPL thickness of 0.27 foot was measured in monitoring well MW-11 on June 8, 2017. Sorbent socks were placed in the monitoring well from June 8 to August 8, 2017.

4.1.2 South Worthen Street

Push-probe borings FB-5 through FB-9 installed in South Worthen Street generally encountered silty sand to depths ranging from 10 to 15 feet bgs (Figure 1). The borings were cleared with an air knife to 5 feet bgs; therefore, the upper 5 feet of soil was not observed. Interbedded silt and gravel were encountered at depths below 8.3 feet and 10.2 feet bgs, respectively, in borings FB-8 and FB-9. Of the push-probe borings installed in South Worthen Street, only the northern-most boring, FB-9, encountered saturated conditions, which were observed in silty gravel at a depth of approximately 10 to 14 feet bgs. A PID reading of 534 ppm was measured in a soil sample of silty

gravel collected from boring FB-9 at a depth of 14.0 feet bgs. A PID reading of 21.6 ppm was measured in a soil sample of silty sand collected from boring FB-8 at a depth of 14.0 feet bgs. No field evidence of petroleum hydrocarbons impacts was observed in the other push-probe borings installed in South Worthen Street or in the soil in borings FB-8 and FB-9 at depths above 13 feet bgs.

4.1.3 East of South Worthen Street

Monitoring wells BH-1 through BH-3 were installed on March 25 and 26, 2017 by Environmental Partners, Inc. for Ecology along the eastern shoulder of South Worthen Street, adjacent to the general area of the sheen observed on the Columbia River (Figure 1). Recovery well RW-1 was installed by Farallon on April 10, 2017 between monitoring wells BH-1 and BH-3 for potential use as an LNAPL recovery well. Monitoring Well MW-10 was installed north of monitoring well BH-3 to aid in delineating the extent of groundwater impacts and evaluate potential up-gradient sources. Soil conditions encountered in the borings for the monitoring wells are described below by well.

Monitoring Well BH-1

Monitoring well BH-1 was installed east of South Worthen Street, adjacent to the general area of the sheen discharge to the Columbia River (Figure 1). Very little sample recovery was noted from the surface to a depth of 15 feet bgs, with crushed rock fragments observed in the sampler. Sandy silt was encountered from 15 to 20 feet bgs, underlain by sand at approximately 20 to 21 feet bgs and silt from 21 feet bgs to the total depth of the boring at 30 feet bgs. The only evidence of petroleum hydrocarbon impacts in the boring were a PID reading of 20 ppm, an odor, and a faint sheen in soil at a depth of approximately 30 feet bgs. Saturated conditions were noted as first encountered at a depth of approximately 29 feet bgs, with the water level in the boring equilibrating at a depth of 20.55 feet bgs. Depths to water measured in the monitoring well have ranged from 19.71 to 28.73 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

An LNAPL thickness of 0.55 foot was measured in monitoring well BH-1 on July 3, 2017. Sorbent socks were placed in the monitoring well from May 20 to July 23, 2017.

Monitoring Well BH-2

Monitoring well BH-2 was installed east of South Worthen Street between the general area of the sheen discharge to the Columbia River and the Coleman Oil Property (Figure 1). Soil was not sampled or described in the upper 15 feet of the boring for the monitoring well. Sandy silt was encountered from 15 feet bgs to the total depth of the boring at 35 feet bgs. No evidence of petroleum hydrocarbon impacts was noted on the boring log for the monitoring well. Saturated conditions were not observed during drilling, with the water level in the boring equilibrating at a depth of approximately 29 feet bgs. Depths to water measured in the well have ranged from 26.16 to 31.25 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

LNAPL thicknesses of 0.08 and 0.10 foot were measured in monitoring well BH-1 on April 27 and May 1, 2017, respectively. Sorbent socks were placed in the monitoring well from May 20 to July 23, 2017.

Monitoring Well BH-3

Monitoring well BH-3 was installed east of South Worthen Street, adjacent to the general area of the sheen discharge to the Columbia River (Figure 1). Soil was not sampled or described in the upper 15 feet of the boring for the monitoring well. Silt was encountered from 15 feet bgs to the total depth of the boring at 30 feet bgs. The only evidence of petroleum hydrocarbon impacts in the boring were a PID reading of 67 ppm, an odor, and a faint sheen in soil at a depth of approximately 20 feet bgs. Saturated conditions were noted as first encountered at a depth of approximately 20 feet bgs, with the water level in the boring equilibrating at a depth of 17.26 feet bgs. Depths to water measured in the well have ranged from 17.47 to 23.04 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1). No LNAPL has been detected in monitoring well BH-3.

Recovery Well RW-1

Recovery well RW-1 was installed as a potential groundwater recovery well (Figure 1). The recovery well was constructed of 3-inch-diameter well casing and screen in contrast to the 2-inch-diameter BH-series wells to allow flexibility in pump selection, if needed. Silt was encountered

from the first-recovered soil sample at a depth of 5 to 18 feet bgs. There was no sample recovery from 18 feet bgs to the total depth of the boring at 30 feet bgs. No evidence of petroleum hydrocarbon impacts was observed in the soil samples collected during the installation of recovery well RW-1. The measured depth to water in the boring was 17.0 feet bgs at the time of drilling. Depths to water measured in the well have ranged from 16.15 to 26.74 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1). No LNAPL has been detected in recovery well RW-1.

Monitoring Well MW-10

Monitoring well MW-10 was installed north of BH-3 to help delineate the extent of groundwater impacts and evaluate potential up-gradient sources (Figure 1). Gravel and sand were encountered from 5.0 to 6.0 feet bgs, underlain by gravelly silt and silt with gravel from 10.0 to 12.7 feet bgs and silt and silt with sand from 15.0 feet bgs to the total depth of the boring at 30.2 feet bgs. Evidence of potential petroleum hydrocarbons impacts in the boring included a PID reading of 409 ppm, a petroleum-like odor, and a sheen in the silt soil sample collected at a depth of 25.1 feet bgs. A PID reading of 42.6 ppm was noted for the soil sample collected at a depth of 30.1 feet bgs, and a sheen was present but no odor. The measured depth to water in the boring was 17.3 feet bgs at the time of drilling. Depths to water measured in the monitoring well have ranged from 16.72 to 25.70 feet below the top of the well casing during the period between April 17 and September 28, 2017 (Table 1).

An LNAPL thickness of 1.44 feet was measured in monitoring well MW-10 on July 3, 2017. Sorbent socks and pumping have been used to remove LNAPL from monitoring well MW-10 since July 4, 2017.

4.2 HYDRGEOLOGY

The hydraulic gradient at the Site is variable and steepens to the east with proximity to the Columbia River. Groundwater elevation contour maps for April 20 and September 28, 2017 are provided on Figures 3 and 4. On April 20, 2017, a northeasterly direction of groundwater flow was indicated by the groundwater elevation data, with a hydraulic gradient of 0.06 foot per foot across the Coleman Oil Property and an easterly direction of groundwater flow, and a much steeper

hydraulic gradient of 0.25 foot per foot to the east in the area of South Worthen Street. The hydraulic gradient was steeper at 0.47 foot per foot on April 20, 2017, east of the southern portion of the Coleman Oil Property as measured between monitoring wells MW-2 and MW-5.

The groundwater levels in monitoring wells on the Coleman Oil Property have dropped by approximately 3 feet between mid-April and late September 2017. Monitoring wells installed east of South Worthen Street have shown a greater decrease in water-level elevation, but the magnitude of the decrease is more variable than for the monitoring wells on the Coleman Oil Property. The groundwater levels in monitoring well MW-5, east of the southern portion of the Coleman Oil Property, declined by 4.69 feet between April 17 and September 28, 2017. The groundwater levels in monitoring wells BH-2 and BH-3 declined by 5.08 and 5.57 feet, respectively, over the same time period. The groundwater levels in monitoring wells BH-1 and MW-10 and in recovery well RW-1 showed larger decreases in elevation, ranging from 8.98 to 10.54 feet between April 17 and September 28, 2017.

The occurrence of LNAPL in monitoring well MW-10, which was first detected in July 2017, indicates that the LNAPL migration pathway is cross-gradient to the groundwater flow directions indicated by the groundwater elevation contours constructed using groundwater levels measured in Site monitoring wells. The presence of LNAPL in monitoring well MW-10 suggests that a more northerly component of flow exists than would be suggested by the groundwater contours. The exact mechanism for the apparent preferential northerly component of LNAPL migration is not clear.

An initial assessment of the sanitary sewer or other subsurface utilities in South Worthen Street indicated that groundwater levels are likely well below the utilities. As a result, the utility lines cannot be acting as preferential migration pathways. Potential preferential migration pathways will be further assessed as part of the pending remedial investigation for the Site.

The somewhat anomalous direction of LNAPL migration may be a result of lithologic variations within the upper saturated zone. The borings for the monitoring wells east of South Worthen Street encountered more fine-grained soil than borings installed on the Coleman Oil Property or within South Worthen Street. It is possible that the northeasterly direction of groundwater flow suggested

by the groundwater contours for monitoring wells on the Coleman Oil Property is deflected as a result of the higher silt content and likely lower permeability of soil east of South Worthen Street. Aquifer testing will be conducted as part of the remedial investigation field activities to estimate the hydraulic conductivity of selected wells spatially distributed across the Site.

4.3 RIVER LEVELS

River levels have fallen since the LNAPL recovery operations were initiated in March 2017. The average daily tailwater elevation of the Columbia River at the Rocky Reach Dam, upstream of the Site, was 615.08 feet on September 28, 2017 (U.S. Army Corps of Engineers 2017a). The average daily forebay elevation of the Columbia River at the Rock Island Dam, downstream of the Site, was 612.85 feet on September 28, 2017 (U.S. Army Corps of Engineers 2017b).

Farallon received hourly average water-level data for the period of April 1 to October 1, 2017 from the Chelan County PUD for the boat launch at the base of Orondo Avenue in Wenatchee, approximately 0.6 mile north of the Site. Water levels in the Columbia River at the boat launch ranged from approximately 618 to 621 feet above mean sea level in early April 2017, and dropped to approximately 613 to 615 feet above mean sea level in late September 2017. Water levels in the Columbia River at this location are dam-controlled and fluctuate by up to several feet per day. Additional assessment of the river elevation and fluctuations relative to groundwater levels and hydraulic gradient will be conducted as part of the remedial investigation for the Site.

5.0 SOIL AND GROUNDWATER RESULTS

Laboratory analytical results for soil samples collected from the trenching excavations and borings completed in April 2017 indicate that total petroleum hydrocarbons as diesel-range organics (DRO) are present at concentrations exceeding MTCA Method A cleanup levels in shallow soil in the area of the truck fuel-loading rack and drywell. North of the truck fuel-loading rack and drywell, petroleum hydrocarbons at concentrations exceeding MTCA Method A cleanup levels in soil appear to be limited to soil 10 to 15 feet bgs, likely as a result of migration associated with shallow perched groundwater. GRO and total petroleum hydrocarbons as oil-range organics (ORO) also were detected in soil samples collected at the Site, but were generally noted on the laboratory reports to be the result of overlap from the DRO results. The laboratory analytical results for total petroleum hydrocarbons and BTEX in soil samples are provided in Table 2. The laboratory analytical reports are provided in Appendix B.

Farallon conducted Site-wide groundwater monitoring and sampling events on April 20 and 21 and September 28 and 29, 2017. Monitoring wells MW-1, MW-2, MW-4, and MW-5 also were sampled on March 23, 2017 prior to the installation of new monitoring wells at the Site in April 2017. Reconnaissance groundwater samples were collected from push-probe borings FB-9 and FB-10 on April 7, 2017. The groundwater analytical results for the April 20 and 21 and September 28 and 29, 2017 groundwater monitoring and sampling events are presented on Figure 5. The 2017 groundwater and reconnaissance groundwater sample results are presented in Table 3. The laboratory analytical reports are provided in Appendix B.

DRO, ORO, GRO, and/or benzene were detected at concentrations exceeding the 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. The laboratory analytical reports noted that the ORO and GRO results were impacted by the heavier fuels and/or DRO present in the groundwater samples. During the April 2017 groundwater monitoring and sampling event, groundwater samples were not collected for laboratory analyses from monitoring wells MW-8 and MW-9 due to the presence of LNAPL at these locations. Groundwater samples were not collected from monitoring wells BH-1 and BH-2 during the September groundwater monitoring and sampling event due to insufficient groundwater in the

monitoring wells at these locations. Based on historical groundwater analytical data not exceeding the laboratory practical quantitation limit for DRO, ORO, GRO, and BTEX at monitoring well MW-2, a groundwater sample was not collected at this location during the September 2017 groundwater monitoring and sampling event.

6.0 LIGHT NONAQUEOUS-PHASE LIQUID RECOVERY

In response to the March 17, 2017 spill of renewable diesel fuel, Coleman Oil has documented the amount of LNAPL recovered from the Columbia River and groundwater at the Site. The quantity of LNAPL recovered from the Columbia River, from each sump structure and monitoring well on the Coleman Oil Property, and from the oil-water separator associated with the temporary groundwater treatment system installed to treat groundwater pumped from the sump structures has been tracked. Table 4 presents the quantities of LNAPL recovered from pads and booms off the Columbia River; from pads, booms, and pumps placed in sumps and monitoring wells on and near the Coleman Oil Property; and from the oil-water separator associated with the temporary groundwater treatment system. A total of 300.53 gallons of LNAPL was recovered from these locations between March 27 and September 6, 2017 as described below:

- A total of 158.01 gallons of LNAPL was recovered in pads and booms from the Columbia River;
- A total of 67.48 gallons of LNAPL was recovered from sumps on the Coleman Oil Property: Sump 1 produced 11.99 gallons; Sump 2 produced 12.62 gallons; Sump 3 produced 3.28 gallons; Sump 4 produced 0.13 gallons; Sump 5 produced 29.33 gallons; and Sump 6 produced 10.13 gallons;
- A total of 67.86 gallons of LNAPL was recovered from monitoring wells: MW-6 produced 0.03 gallons; MW-8 produced 13.51 gallons; MW-9 produced 33.76 gallons; MW-10 produced 19.28 gallons; MW-11 produced 0.62 gallons; BH-1 produced 0.19 gallons; and BH-2 produced 0.47 gallons; and
- A total of 7.18 gallons of LNAPL was recovered from the oil-water separator prior to the storage tank and groundwater treatment system.

Monitoring and recovery of LNAPL from the Columbia River, sump structures, and monitoring wells continues.

7.0 PRELIMINARY CONCEPTUAL SITE MODEL

The following sections present the preliminary conceptual site model that has been developed for the Site. The conceptual site model will be further developed and refined as more information and data become available as part of the remedial investigation for the Site.

7.1 KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS

The primary known source of release(s) is leakage from buried piping near the truck fuel-loading rack. A release of unleaded gasoline was documented from a fill valve outside Tank Farm A on the south-central portion of the Site in 2010. Other potential primary sources or releases include historical truck or tank overfills, spills, or leaking ASTs or USTs either on the Coleman Oil Property or on nearby properties.

Secondary sources of contaminants include LNAPL in soil pores in the vadose zone or in saturated soil that could serve as an ongoing source for dissolution to groundwater.

7.2 TYPES AND CONCENTRATIONS OF CONTAMINANTS

The primary known release at the Site is of R99 renewable diesel. Red-colored LNAPL is present on groundwater at the Site as a result of the renewable diesel release. Other petroleum products also could potentially have been released from historical spills or leaks at or in the vicinity of the Site.

The primary contaminant detected in the 2017 spill response investigations was DRO, which was detected at concentrations exceeding MTCA Method A cleanup levels in soil and groundwater samples. GRO and ORO were also detected at concentrations exceeding MTCA Method A cleanup levels in soil and groundwater samples, but the data were generally flagged in the laboratory reports as having been affected by the DRO results.

DRO has been detected at concentrations of up to 69,000 milligrams per kilogram in soil samples, with the highest concentrations detected in soil samples collected from the area of the former truck fuel-loading rack and leaking renewable diesel piping.

7.3 POTENTIALLY CONTAMINATED MEDIA

The potentially impacted media include surface (less than 15 feet bgs) and subsurface (greater than 15 feet bgs) soil, groundwater, surface water, and sediment.

7.4 KNOWN AND POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS

Potential exposure pathways for soil include:

- Direct contact by construction workers;
- Leaching to groundwater or surface water; and
- Direct contact by plants or burrowing animals.

The primary potential exposure pathway for groundwater is discharge to surface water or sediment.

The primary potential exposure pathway for surface water and sediment is contact by construction workers, recreational users, wildlife, and aquatic organisms.

8.0 REFERENCES

- Able Clean-Up Technologies, Inc. (Able). 2013. Letter Regarding Report for a Gasoline Spill for Coleman Oil, Located at the Coleman Oil Bulk Plant, 3 Chehalis Street, Wenatchee, Washington. From Kipp Silver. To Mark Sater, Coleman Oil. July 1.
- Blue Mountain Environmental Consulting, Inc. 2007. *Environmental Site Assessment/ASTM E1527-05 at Coleman Oil Company Wenatchee Cardlock/Bulk Facility, 3 Chehalis St./600 Worthen St., Wenatchee, Washington 98801*. Prepared for Bank of Whitman. February 28.
- Chelan County Assessor. 2017. Property Search Results. <http://pacs.co.chelan.wa.us/PropertyAccess/Property.aspx?cid=91&prop_id=10398&year=2017>. (October 15, 2017).
- Farallon Consulting, L.L.C. (Farallon). 2014. Final Groundwater Monitoring Report and Request for No Further Action Determination. Prepared for Coleman Oil Company. January.
- . 2017. *Emergency Spill Response Plan, Coleman Oil Wentachee [sic] Facility, 3 East Chehalis Street, Wenatchee, Washington*. Prepared for Coleman Oil Company. April 1.
- Washington State Department of Ecology (Ecology). 2015. Letter Regarding No Further Action at the Following Site: Coleman Oil company 1, 3 East Chehalis Street, Wenatchee. From Jennifer Lind. To Jim Cach, Coleman Oil Company. March 13.
- U.S. Army Corps of Engineers. 2017a. “Rocky Reach Dam & Lake.” <http://www.nwd-wc.usace.army.mil/dd/nwdp/project_daily/webexec/rep?r=rrh&ago=1>. (October 15, 2017.)
- . 2017b. “Rock Island Dam & Reservoir.” <http://www.nwd-wc.usace.army.mil/dd/nwdp/project_daily/webexec/rep?r=ris&ago=1>. (October 15, 2017.)

9.0 LIMITATIONS

9.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information.** Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance and/or Characterization.** Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Coleman Oil Company, and currently accepted industry standards. No other warranties, representations, or certifications are made.

9.2 LIMITATION ON RELIANCE BY THIRD PARTIES

Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Coleman Oil Company to address the unique needs of Coleman Oil Company at the Site at a specific point in time.

This is not a general grant of reliance. No one other than Coleman Oil Company may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

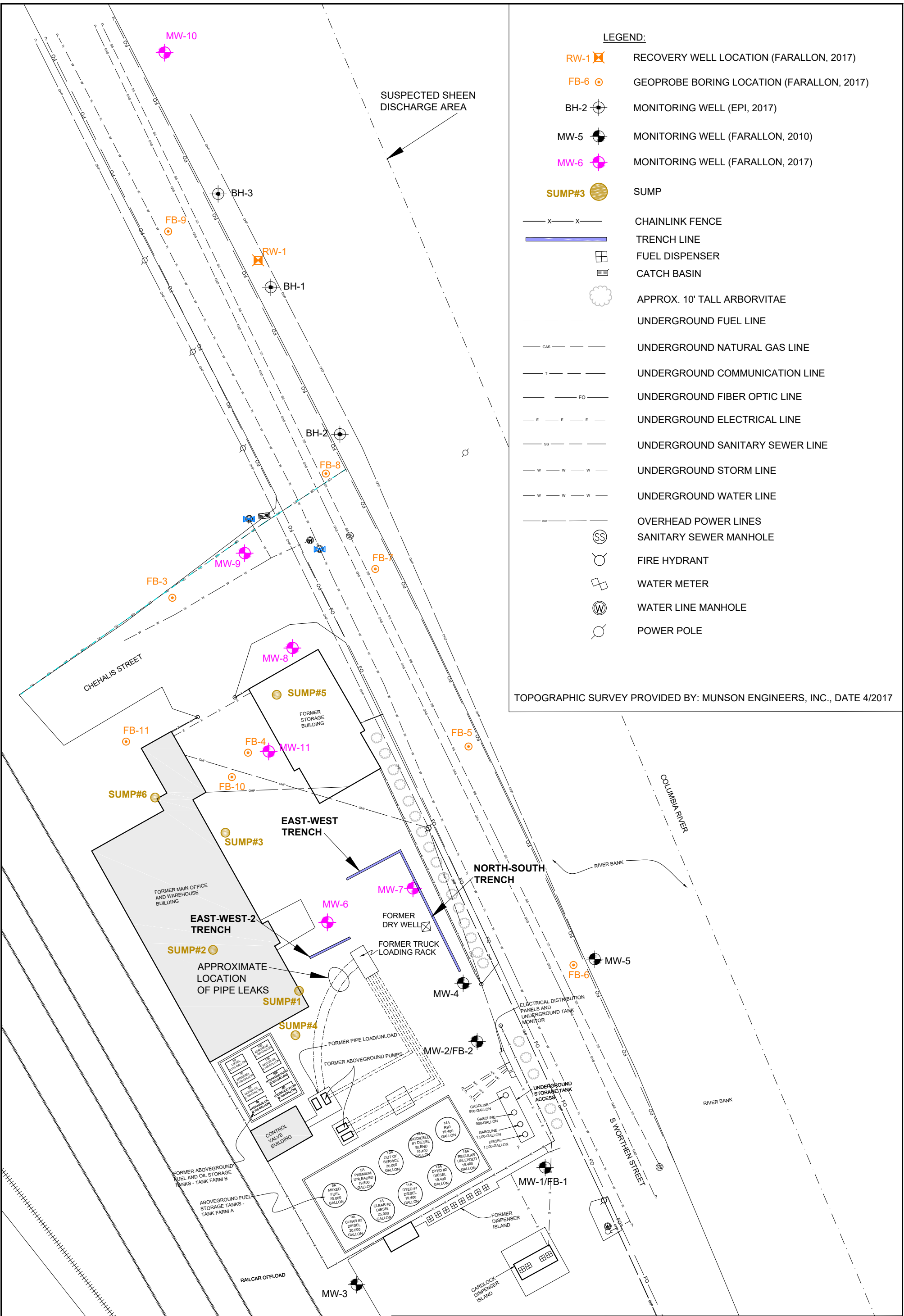
FIGURES

SUPPLEMENTAL DATA SUMMARY REPORT

Coleman Oil
3 Chehalis Street
Wenatchee, Washington

Farallon PN: 1001-002

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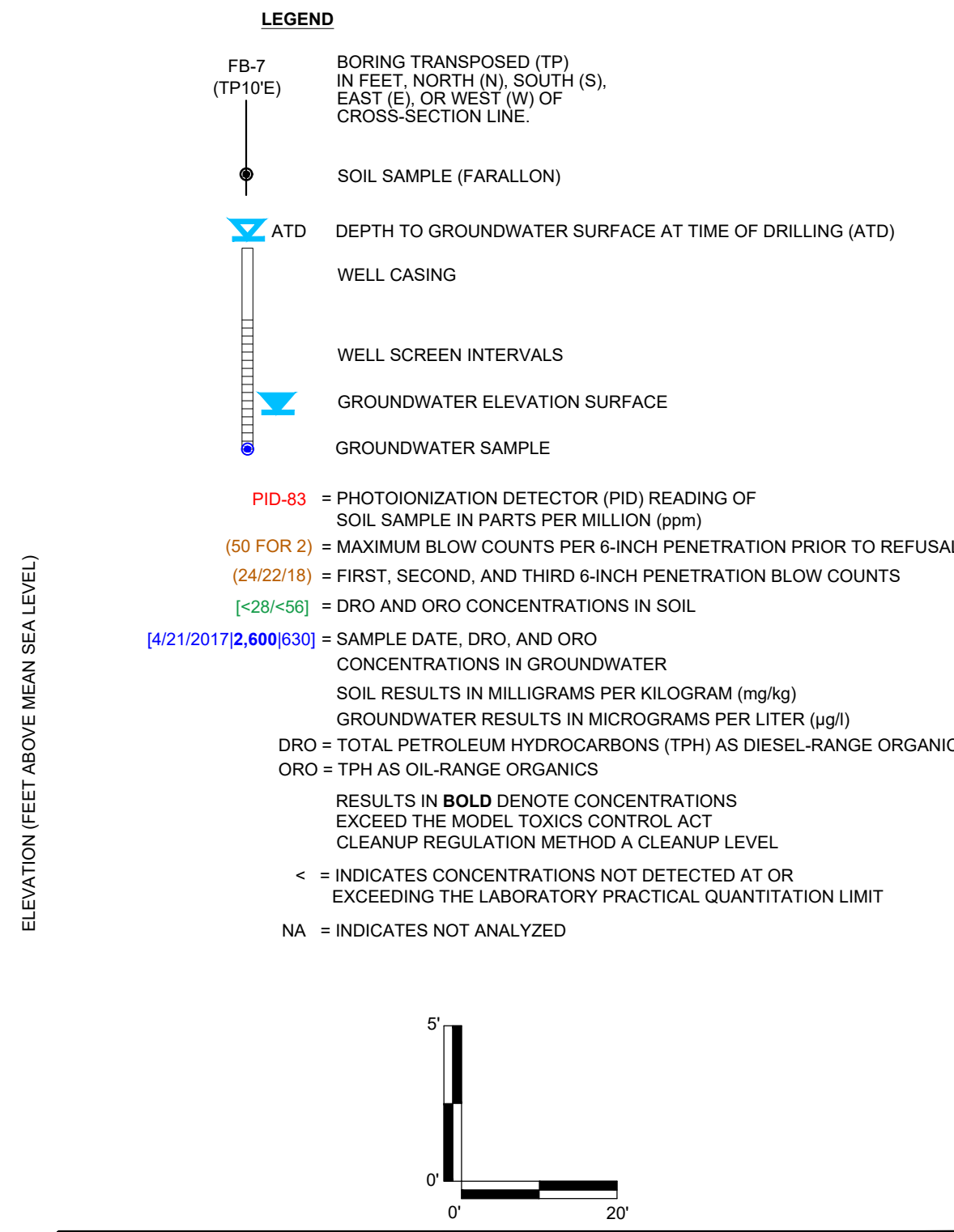
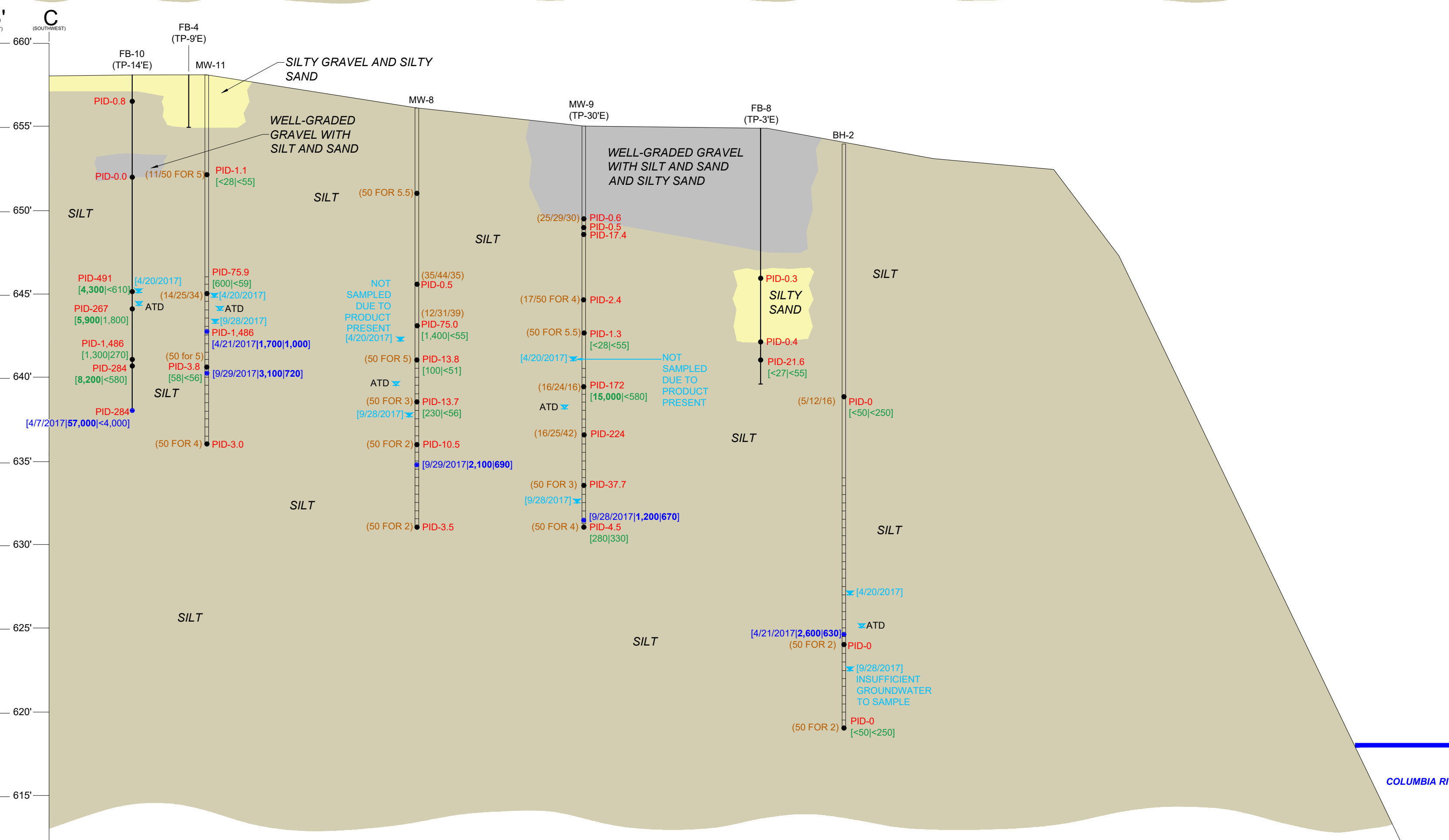
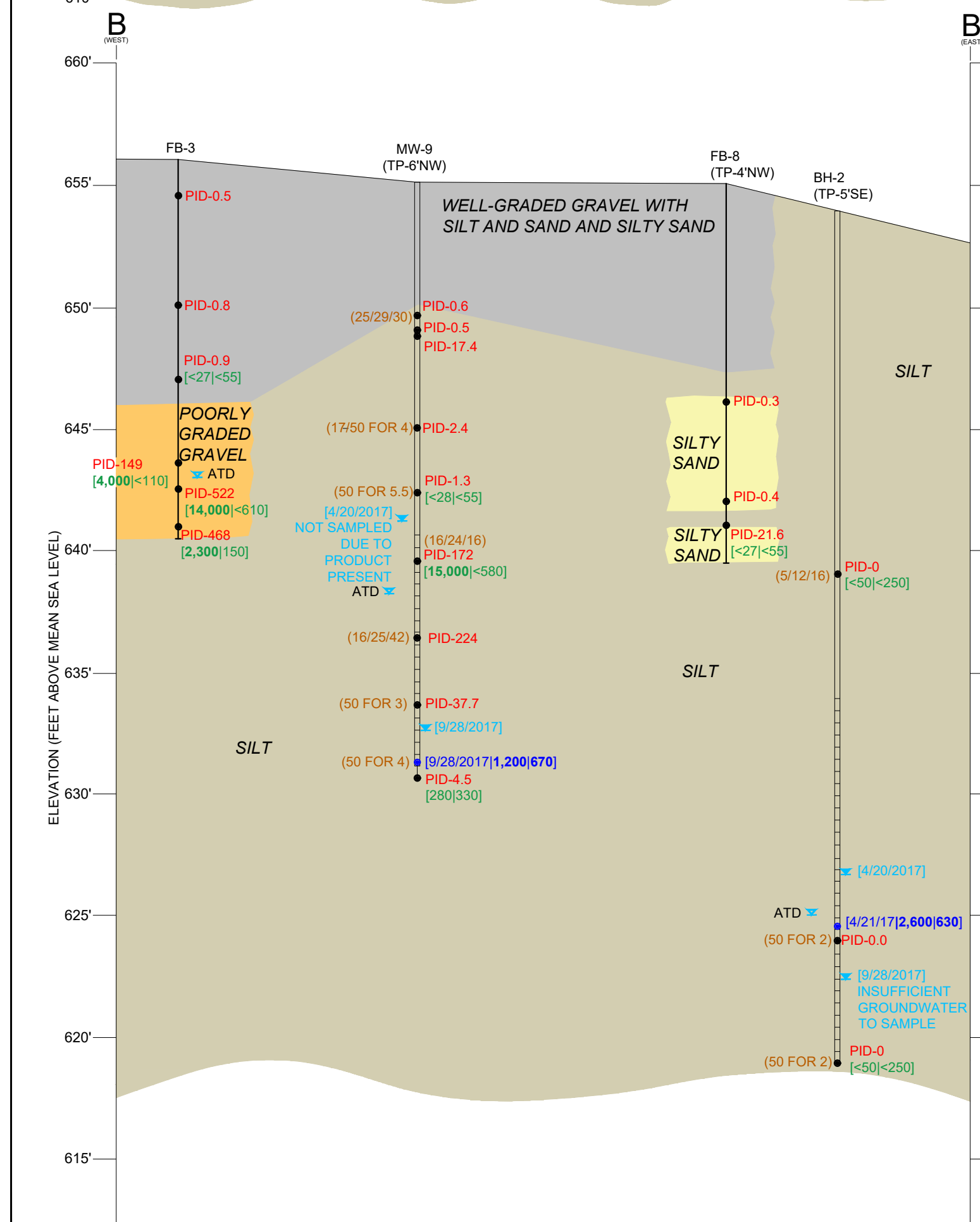
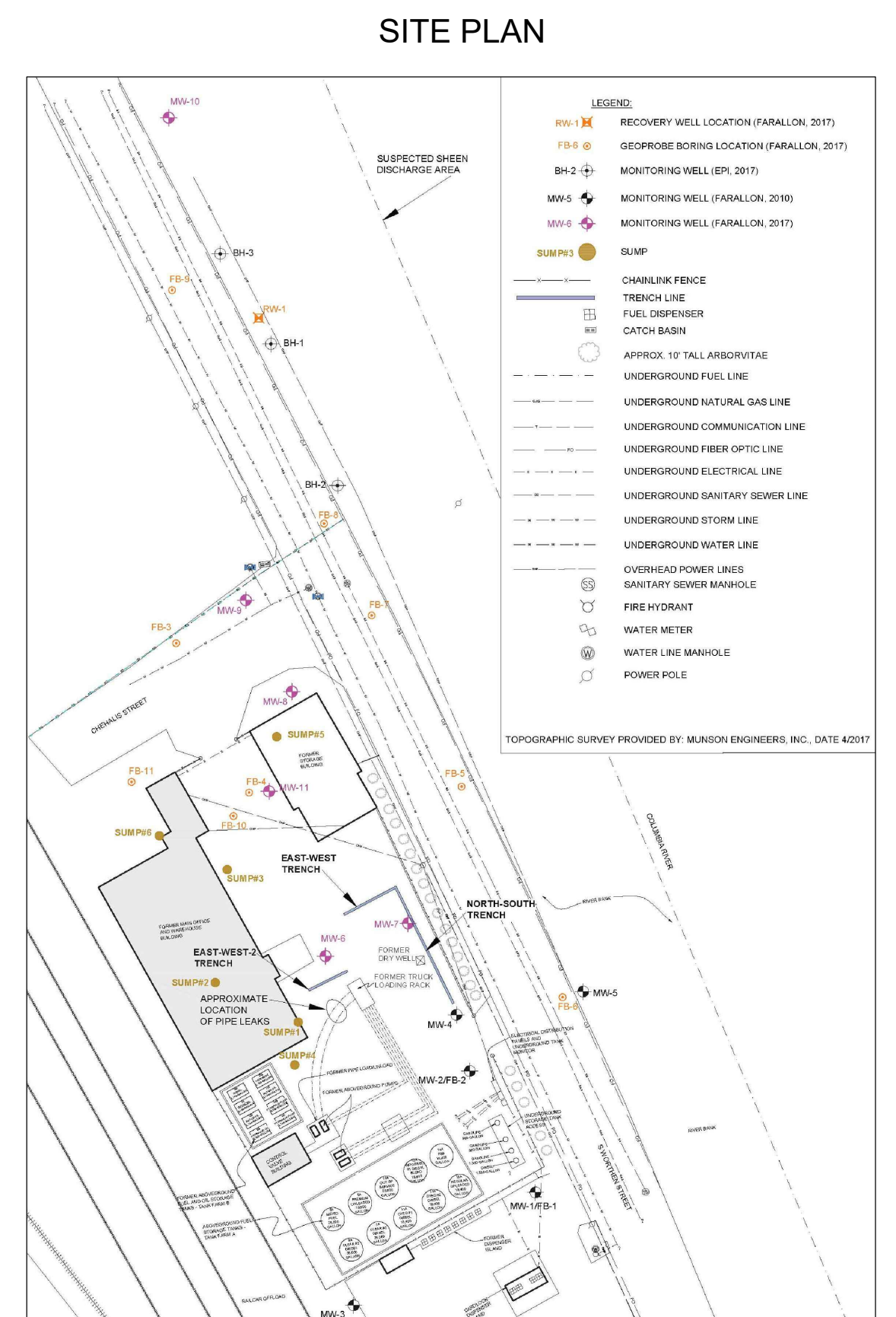
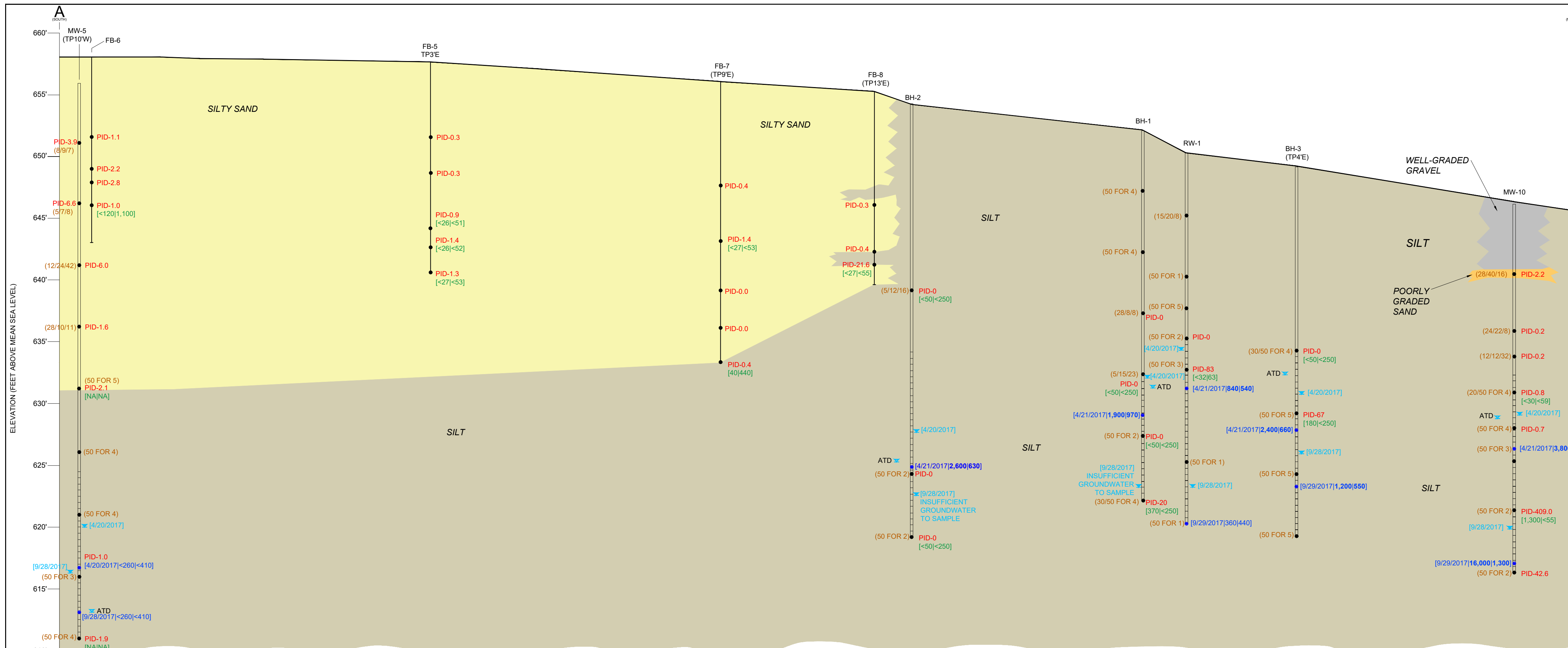
| | | |
|--|--------|-------------------------------------------|
| | RW-1 | RECOVERY WELL LOCATION (FARALLON, 2017) |
| | FB-6 | GEOPROBE BORING LOCATION (FARALLON, 2017) |
| | BH-2 | MONITORING WELL (EPI, 2017) |
| | MW-5 | MONITORING WELL (FARALLON, 2010) |
| | MW-6 | MONITORING WELL (FARALLON, 2017) |
| | SUMP#3 | SUMP |
| | | CHAINLINK FENCE |
| | | TRENCH LINE |
| | | FUEL DISPENSER |
| | | CATCH BASIN |
| | | APPROX. 10' TALL ARBORVITAE |
| | | UNDERGROUND FUEL LINE |
| | | UNDERGROUND NATURAL GAS LINE |
| | | UNDERGROUND COMMUNICATION LINE |
| | | UNDERGROUND FIBER OPTIC LINE |
| | | UNDERGROUND ELECTRICAL LINE |
| | | UNDERGROUND SANITARY SEWER LINE |
| | | UNDERGROUND STORM LINE |
| | | UNDERGROUND WATER LINE |
| | | OVERHEAD POWER LINES |
| | SS | SANITARY SEWER MANHOLE |
| | | FIRE HYDRANT |
| | | WATER METER |
| | W | WATER LINE MANHOLE |
| | | POWER POLE |

TOPOGRAPHIC SURVEY PROVIDED BY: MUNSON ENGINEERS, INC., DATE 4/2017



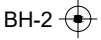





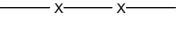









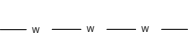
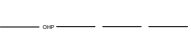







ALL LOCATIONS APPROXIMATE
 0 40
 SCALE IN FEET

Washington
 Issaquah | Bellingham | Seattle
 Oregon
 Portland | Bend | Baker City
 California
 Oakland | Sacramento | Irvine
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 Quality Service for Environmental Solutions | farallonconsulting.com

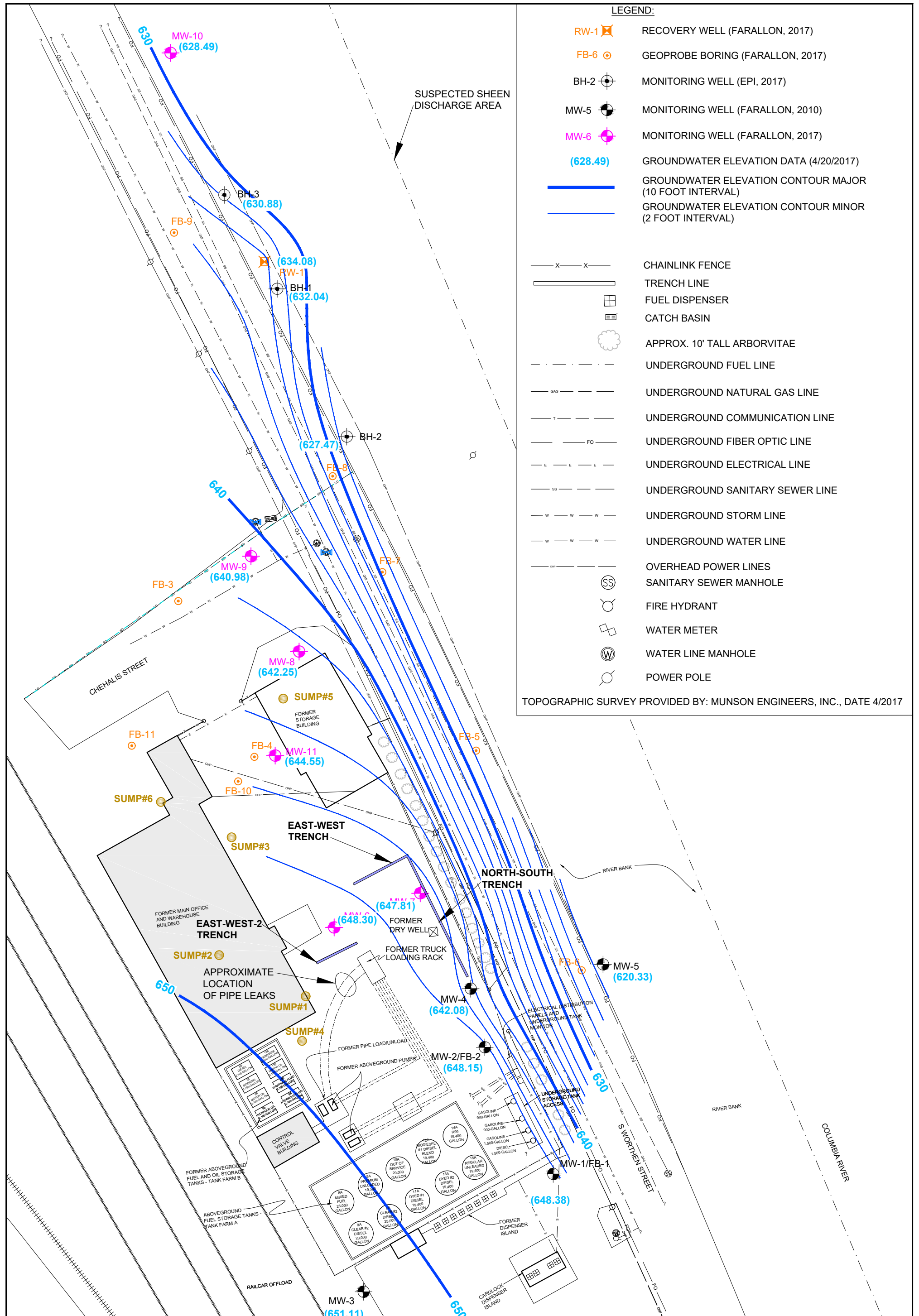
DRAFT **FIGURE 1**
 SITE PLAN
 COLEMAN OIL
 3 CHEHALIS STREET
 WENATCHEE, WASHINGTON
 FARALLON PN: 1001-002
 Drawn By: JJ Checked By: SP Date: 10/13/2017 Disk Reference: 1001-002



LEGEND:

-  RW-1 RECOVERY WELL (FARALLON, 2017)
-  FB-6 GEOPROBE BORING (FARALLON, 2017)
-  BH-2 MONITORING WELL (EPI, 2017)
-  MW-5 MONITORING WELL (FARALLON, 2010)
-  MW-6 MONITORING WELL (FARALLON, 2017)
-  (628.49) GROUNDWATER ELEVATION DATA (4/20/2017)
-  GROUNDWATER ELEVATION CONTOUR MAJOR (10 FOOT INTERVAL)
-  GROUNDWATER ELEVATION CONTOUR MINOR (2 FOOT INTERVAL)
-  CHAINLINK FENCE
-  TRENCH LINE
-  FUEL DISPENSER
-  CATCH BASIN
-  APPROX. 10' TALL ARBORVITAE
-  UNDERGROUND FUEL LINE
-  UNDERGROUND NATURAL GAS LINE
-  UNDERGROUND COMMUNICATION LINE
-  UNDERGROUND FIBER OPTIC LINE
-  UNDERGROUND ELECTRICAL LINE
-  UNDERGROUND SANITARY SEWER LINE
-  UNDERGROUND STORM LINE
-  UNDERGROUND WATER LINE
-  OVERHEAD POWER LINES
-  SANITARY SEWER MANHOLE
-  FIRE HYDRANT
-  WATER METER
-  WATER LINE MANHOLE
-  POWER POLE

TOPOGRAPHIC SURVEY PROVIDED BY: MUNSON ENGINEERS, INC., DATE 4/2017



ALL LOCATIONS APPROXIMATE
 0 40
 SCALE IN FEET

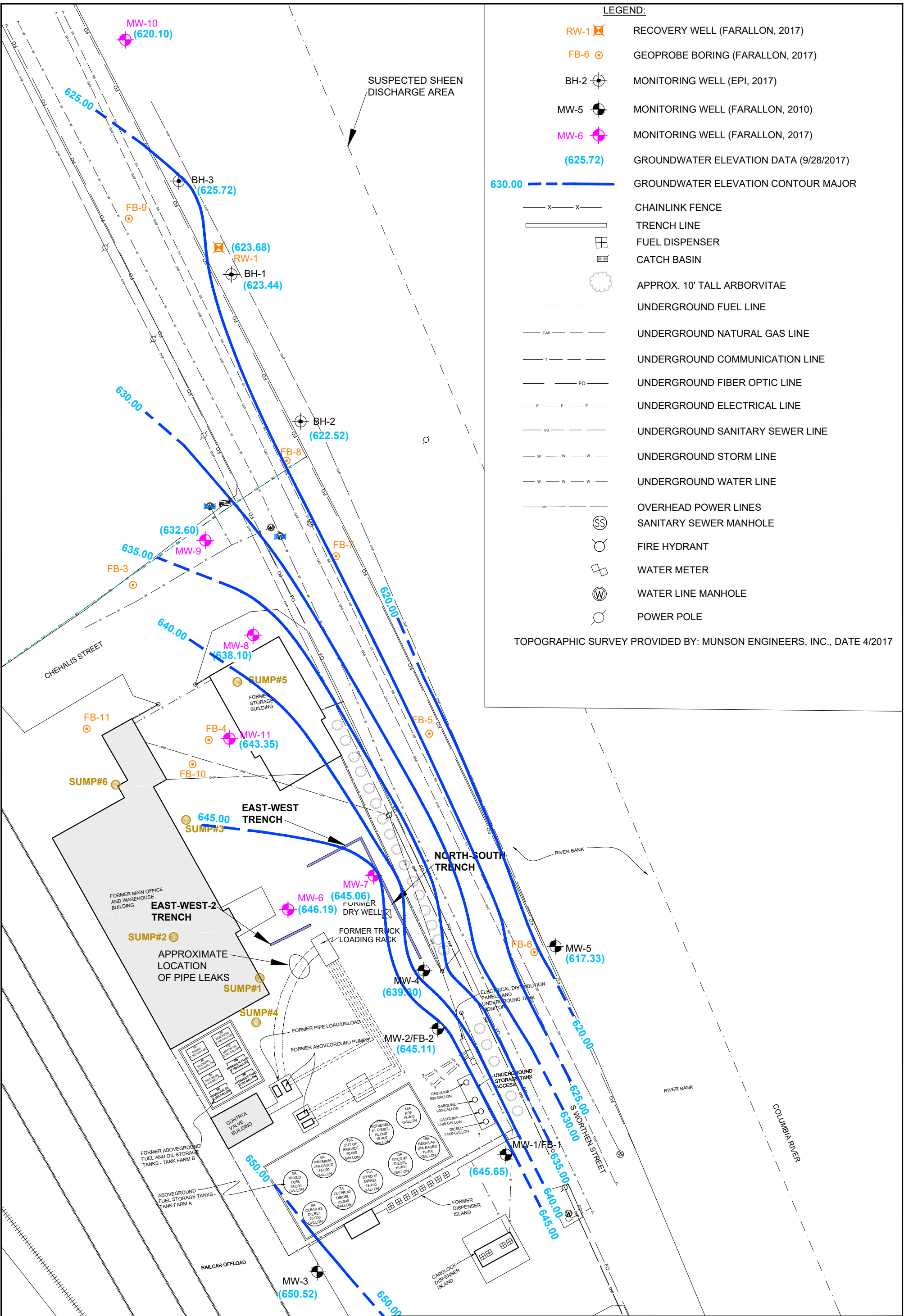


Washington
 Issaquah | Bellingham | Seattle
 Oregon
 Portland | Bend | Baker City
 California
 Oakland | Sacramento | Irvine
FARALLON
 CONSULTING
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DRAFT **FIGURE 3**
 GROUNDWATER ELEVATION CONTOURS
 APRIL 20, 2017
 COLEMAN OIL
 3 CHEHALIS STREET
 WENATCHEE, WASHINGTON
 FARALLON PN: 1001-002

Drawn By: JJ Checked By: JR Date: 10/16/2017 Disk Reference: 1001-002

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LEGEND:

| | | |
|--|----------|----------------------------------------|
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| | FB-6 | GEOPROBE BORING (FARALLON, 2017) |
| | BH-2 | MONITORING WELL (EPI, 2017) |
| | MW-5 | MONITORING WELL (FARALLON, 2010) |
| | MW-6 | MONITORING WELL (FARALLON, 2017) |
| | (625.72) | GROUNDWATER ELEVATION DATA (9/28/2017) |
| | 630.00 | GROUNDWATER ELEVATION CONTOUR MAJOR |
| | X X | CHAINLINK FENCE |
| | — — — | TRENCH LINE |
| | | FUEL DISPENSER |
| | | CATCH BASIN |
| | | APPROX. 10' TALL ARBORVITAE |
| | — — — | UNDERGROUND FUEL LINE |
| | — GAS — | UNDERGROUND NATURAL GAS LINE |
| | — T — | UNDERGROUND COMMUNICATION LINE |
| | — FO — | UNDERGROUND FIBER OPTIC LINE |
| | — E — | UNDERGROUND ELECTRICAL LINE |
| | — SS — | UNDERGROUND SANITARY SEWER LINE |
| | — W — | UNDERGROUND STORM LINE |
| | — W — | UNDERGROUND WATER LINE |
| | — — — | OVERHEAD POWER LINES |
| | | SANITARY SEWER MANHOLE |
| | | FIRE HYDRANT |
| | | WATER METER |
| | | WATER LINE MANHOLE |
| | | POWER POLE |

TOPOGRAPHIC SURVEY PROVIDED BY: MUNSON ENGINEERS, INC., DATE 4/2017

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ALL LOCATIONS APPROXIMATE

SCALE IN FEET

Washington
 Issaquah | Bellingham | Seattle
 Oregon
 Portland | Bend | Baker City
 California
 Oakland | Sacramento | Irvine
FARALLON CONSULTING
 Quality Service for Environmental Solutions | farallonconsulting.com

DRAFT **FIGURE 4**

GROUNDWATER ELEVATION CONTOURS
 SEPTEMBER 28, 2017
 COLEMAN OIL
 3 EAST CHEHALIS STREET
 WENATCHEE, WASHINGTON
 FARALLON PN: 1001-002

Drawn By: JJ Checked By: JR Date: 10/16/2017 Disk Reference: 1001-002

| MW-10 | DATE | DRO | ORO | GRO | B | T | E | X |
|-------|-----------|---------------|--------------|--------------|------|------|----|------|
| | 4/21/2017 | 3,800 | 730 | 1,900 | 3.4 | <1.0 | 11 | 12.5 |
| | 9/29/2017 | 16,000 | 1,300 | 1,900 | <1.0 | <1.0 | 13 | 26.7 |

| BH-3 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|------------|--------------|------|------|------|------|
| | 4/21/2017 | 2,400 | 660 | 1,800 | 1.8 | <1.0 | 5.4 | 8.2 |
| | 9/29/2017 | 1,200 | 550 | 150 | <1.0 | <1.0 | <1.0 | <2.0 |

| RW-1 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------------|------------|------|------|------|------|------|
| | 4/21/2017 | 840 | 540 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 9/29/2017 | 360 | 440 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

| BH-1 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|------------|------------|-----------|-----|-----|------|
| | 4/21/2017 | 1,900 | 970 | 820 | 15 | 2.8 | 8.3 | 18.5 |

| BH-2 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|------------|--------------|-----|-----|----|----|
| | 4/21/2017 | 2,600 | 630 | 1,500 | 4.2 | 3.3 | 12 | 39 |

| MW-9 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|-----|-----|------|------|------|-----|
| | 9/29/2017 | 1,200 | 670 | 500 | <1.0 | <1.0 | <1.0 | 1.5 |

| MW-8 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|-----|------|------|------|-----|------|
| | 9/29/2017 | 2,100 | 690 | 1300 | <1.0 | <1.0 | 4.1 | 27.2 |

| MW-11 | DATE | DRO | ORO | GRO | B | T | E | X |
|-------|-----------|--------------|--------------|--------------|-----------|------|-----|------|
| | 4/21/2017 | 1,700 | 1,000 | 1,400 | 28 | 4.1 | 8.2 | 26.1 |
| | 9/29/2017 | 3,100 | 720 | 1000 | <1.0 | <1.0 | 1.9 | 12.5 |

| MW-4 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------|------|------|------|------|------|------|
| | 4/20/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 9/28/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

| MW-7 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|------|--------------|------|------|------|------|
| | 4/20/2017 | 1,300 | 420 | 1,100 | 3.2 | <1.0 | 15 | 11.4 |
| | 9/28/2017 | 520 | <470 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

| MW-6 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|--------------|-----|------------|------|------|------|-----|
| | 4/20/2017 | 1,800 | 480 | 880 | 5.0 | <4.0 | 6.2 | 37 |
| | 9/28/2017 | 760 | 430 | 530 | <1.0 | <1.0 | <1.0 | 4.3 |

| MW-5 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------|------|------|------|------|------|------|
| | 4/20/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 9/28/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

| MW-2 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------|------|------|------|------|------|------|
| | 4/20/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

| MW-1 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------------|------------|-----|------|------|------|------|
| | 4/21/2017 | 730 | 510 | 210 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 9/29/2017 | 410 | <410 | 200 | <1.0 | <1.0 | <1.0 | <2.0 |

| MW-3 | DATE | DRO | ORO | GRO | B | T | E | X |
|------|-----------|------|------|------|------|------|------|------|
| | 4/20/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 9/28/2017 | <260 | <410 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |

LEGEND:

- RW-1 RECOVERY WELL (FARALLON, 2017)
- FB-6 GEOPROBE BORING (FARALLON, 2017)
- BH-2 MONITORING WELL (EPI, 2017)
- MW-5 MONITORING WELL (FARALLON, 2010)
- MW-6 MONITORING WELL (FARALLON, 2017)
- CHAINLINK FENCE
- TRENCH LINE
- FUEL DISPENSER
- CATCH BASIN
- APPROX. 10' TALL ARBORVITAE
- UNDERGROUND FUEL LINE
- UNDERGROUND NATURAL GAS LINE
- UNDERGROUND COMMUNICATION LINE
- UNDERGROUND FIBER OPTIC LINE
- UNDERGROUND ELECTRICAL LINE
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND STORM LINE
- UNDERGROUND WATER LINE
- OVERHEAD POWER LINES
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER METER
- WATER LINE MANHOLE
- POWER POLE

TOPOGRAPHIC SURVEY PROVIDED BY: MUNSON ENGINEERS, INC., DATE 4/2017

GROUNDWATER RESULTS IN MICROGRAMS PER LITER.

< = INDICATES CONCENTRATIONS NOT DETECTED AT OR EXCEEDING THE LABORATORY PRACTICAL QUANTITATION LIMIT LISTED.

RESULTS IN **BOLD** DENOTE CONCENTRATIONS EXCEED THE MODEL TOXICS CONTROL ACT CLEANUP REGULATION METHOD A CLEANUP LEVEL.

DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS

ORO = TPH AS OIL-RANGE ORGANICS

GRO = TPH AS GASOLINE-RANGE ORGANICS

B = BENZENE

T = TOLUENE

E = ETHYLBENZENE

X = XYLENES

ALL LOCATIONS APPROXIMATE
0 40
SCALE IN FEET

Washington
Issaquah | Bellingham | Seattle
Oregon
Portland | Bend | Baker City
California
Oakland | Sacramento | Irvine
Quality Service for Environmental Solutions | farallonconsulting.com

DRAFT

FIGURE 5

GROUNDWATER ANALYTICAL RESULTS FOR
APRIL AND SEPTEMBER 2017
COLEMAN OIL
3 EAST CHEHALIS STREET
WENATCHEE, WASHINGTON
FARALLON PN: 1001-002

Drawn By: JJ

Checked By: JR

Date: 10/18/2017 Disk Reference: 1001-002

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TABLES

SUPPLEMENTAL DATA SUMMARY REPORT

Coleman Oil
3 Chehalis Street
Wenatchee, Washington

Farallon PN: 1001-002

Table 1
Groundwater and LNAPL Elevation Data
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Well Identification | Monitoring 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 ¹ (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 |
| 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 |
| 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 |
| 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 |
| MW-5 | 4/17/2017 | 30-45 | 656 | 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 |
| MW-6 | 4/17/2017 | 8-18 | 657.7 | 9.57 | --- | --- | 648.13 |
| | 4/20/2017 | | | 9.40 | --- | --- | 648.3 |
| | 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 |

Table 1
Groundwater and LNAPL Elevation Data
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Well Identification | Monitoring 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 ¹ (feet) |
|---------------------|-----------------|----------------------------------------------|---------------------------------------------|-------------------------------------------|------------------------------------------|------------------------|-------------------------------------------|
| 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 |
| 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 | | | 18.1 | --- | --- | 638.10 |
| 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 | 0.7 | 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 | --- | --- | 632.6 |
| 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 | | | 25.7 | --- | --- | 620.10 |
| 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 |
| BH-1 | 4/17/2017 | 20-30 | 652.17 | 19.71 | --- | --- | 632.46 |
| | 4/20/2017 | | | 20.13 | --- | --- | 632.037 |
| | 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 |

Table 1
Groundwater and LNAPL Elevation Data
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Well Identification | Monitoring 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 ¹ (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 | 0.1 | 627.17 |
| | 6/8/2017 | | | 26.73 | --- | --- | 627.04 |
| | 7/3/2017 | | | 28.86 | --- | --- | 624.91 |
| | 9/28/2017 | | | 31.25 | --- | --- | 622.52 |
| BH-3 | 4/17/2017 | 15-30 | 648.76 | 17.47 | --- | --- | 631.29 |
| | 4/20/2017 | | | 17.88 | --- | --- | 630.876 |
| | 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 |
| RW-1 | 4/17/2017 | 15-30 | 650.42 | 16.15 | --- | --- | 634.27 |
| | 4/20/2017 | | | 16.34 | --- | --- | 634.079 |
| | 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 |

NOTES:

--- denotes no LNAPL present

¹Elevation 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. Groundwater elevations in wells with LNAPL corrected for water-level elevation using typical specific gravity of R99 LNAPL of 0.78.

bgs = below ground surface

LNAPL = light nonaqueous-phase liquid

NAPL = nonaqueous-phase liquid

Table 2
Soil Analytical Results for TPH and BTEX
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Sample Location | Sample Identification | Sample Depth (feet) ¹ | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | |
|----------------------------------------------------------|-----------------------|----------------------------------|-------------|----------------------------------------------|------------------|---------------------------|----------------------|----------------------|---------------------------|----------------------|
| | | | | DRO ² | ORO ² | GRO ³ | Benzene ⁴ | Toluene ⁴ | Ethylbenzene ⁴ | Xylenes ⁴ |
| Dry Well and Concrete Box Excavation | | | | | | | | | | |
| Concrete Box | CMTB-3.0 | 3.0 | 4/3/2017 | 370 | 150 | < 7.5 | < 0.020 | < 0.075 | < 0.075 | < 0.150 |
| Dry Well Bottom | DRY WELL-B-5.0 | 5.0 | 4/3/2017 | 2,400 | 2,000 | --- | --- | --- | --- | --- |
| Dry Well East Sidewall | DRY WELL-E-4.0 | 4.0 | 4/3/2017 | 2,000 | 540 | --- | --- | --- | --- | --- |
| Dry Well North Sidewall | DRY WELL-N-4.0 | 4.0 | 4/3/2017 | 4,400 | 1,800 | --- | --- | --- | --- | --- |
| Dry Well South Sidewall | DRY WELL-S-4.0 | 4.0 | 4/3/2017 | 580 | < 55 | --- | --- | --- | --- | --- |
| Dry Well West Sidewall | DRY WELL-W-4.0 | 4.0 | 4/3/2017 | 1,800 | 300 | --- | --- | --- | --- | --- |
| Fuel Line Excavation | | | | | | | | | | |
| Fuel Line Excavation Bottom | FUEL LINE-EX-B-6.0 | 6.0 | 4/3/2017 | 14,000 | < 3,300 | --- | --- | --- | --- | --- |
| Fuel Line Excavation East Sidewall | FUEL LINE-EX-E-2.0 | 2.0 | 4/3/2017 | 58,000 | < 6,000 | --- | --- | --- | --- | --- |
| | FUEL LINE-EX-E-3.0 | 3.0 | 4/3/2017 | 3,400 | < 230 | --- | --- | --- | --- | --- |
| Fuel Line Excavation North Sidewall | FUEL LINE-EX-N-3.0 | 3.0 | 4/3/2017 | 3,400 | < 280 | --- | --- | --- | --- | --- |
| North-South Trench Excavation | | | | | | | | | | |
| North-South Trench 1 | NS-TRENCH-1-5.0 | 5.0 | 4/4/2017 | < 28 | < 56 | --- | --- | --- | --- | --- |
| North-South Trench 2 | NS-TRENCH-2-10.0 | 10.0 | 4/4/2017 | 49 | < 55 | --- | --- | --- | --- | --- |
| North-South Trench 3 | NS-TRENCH-3-10.0 | 10.0 | 4/4/2017 | < 28 | < 55 | --- | --- | --- | --- | --- |
| North-South Trench 4 | NS-TRENCH-4-5.0 | 5.0 | 4/4/2017 | < 28 | 61 | --- | --- | --- | --- | --- |
| North-South Trench 5 | NS-TRENCH-5-10.0 | 10.0 | 4/4/2017 | < 28 | < 56 | --- | --- | --- | --- | --- |
| North-South Trench 6 | NS-TRENCH-6-10.0 | 10.0 | 4/4/2017 | < 28 | < 55 | --- | --- | --- | --- | --- |
| North-South Trench 7 | NS-TRENCH-7-10.0 | 10.0 | 4/4/2017 | 6,400 | < 550 | --- | --- | --- | --- | --- |
| North-South Trench 8 | NS-TRENCH-8-5.0 | 5.0 | 4/4/2017 | 94 N | 600 | --- | --- | --- | --- | --- |
| North-South Trench 9 | NS-TRENCH-9-10.0 | 10.0 | 4/4/2017 | 5,600 | < 600 | --- | --- | --- | --- | --- |
| | NS-TRENCH-9-10.0-1 | 10.0 | 4/4/2017 | 6,400 | < 570 | --- | --- | --- | --- | --- |
| MTCA Method A Cleanup Levels for Soil⁵ | | | | 2,000 | 2,000 | 30/100⁶ | 0.03 | 7 | 6 | 9 |

Table 2
Soil Analytical Results for TPH and BTEX
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Sample Location | Sample Identification | Sample Depth (feet) ¹ | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | |
|----------------------------------------------------------|-----------------------|----------------------------------|-------------|----------------------------------------------|------------------|---------------------------|----------------------|----------------------|---------------------------|----------------------|
| | | | | DRO ² | ORO ² | GRO ³ | Benzene ⁴ | Toluene ⁴ | Ethylbenzene ⁴ | Xylenes ⁴ |
| East-West Trench Excavation | | | | | | | | | | |
| East-West Trench 1 | EW-TRENCH-1-5.0 | 5.0 | 4/4/2017 | < 27 | < 54 | --- | --- | --- | --- | --- |
| East-West Trench 2 | EW-TRENCH-10.0 | 10.0 | 4/4/2017 | < 28 | < 56 | --- | --- | --- | --- | --- |
| East-West Trench 3 | EW-TRENCH-3-5.0 | 5.0 | 4/5/2017 | < 28 | < 57 | --- | --- | --- | --- | --- |
| East-West Trench 4 | EW-TRENCH-4-10.0 | 10.0 | 4/5/2017 | 7,700 | < 550 | --- | --- | --- | --- | --- |
| East-West Trench 2-5 | EW-TRENCH2-5-5.0 | 5.0 | 4/5/2017 | < 28 | < 55 | --- | --- | --- | --- | --- |
| East-West Trench 2-6 | EW-TRENCH2-6-9.0 | 9.0 | 4/5/2017 | < 28 | < 55 | --- | --- | --- | --- | --- |
| East-West Trench 2-7 | EW-TRENCH2-7-5.0 | 5.0 | 4/5/2017 | < 27 | < 54 | --- | --- | --- | --- | --- |
| East-West Trench 2-8 | EW-TRENCH2-8-6.0 | 6.0 | 4/5/2017 | < 27 | < 55 | --- | --- | --- | --- | --- |
| Filling Station Excavation | | | | | | | | | | |
| Filling Station Ex 1 | FS-EX-1-6.0 | 6.0 | 4/6/2017 | 8,700 | < 550 | 540 F | 0.089 | 0.74 | 2.4 | 7.1 |
| Filling Station Ex 2 | FS-EX-2-4.0 | 4.0 | 4/6/2017 | 42,000 | 2,200 N1 | --- | --- | --- | --- | --- |
| Filling Station Ex 2 | FS-EX-2-4.0-1 | 4.0 | 4/6/2017 | 45,000 | 2,500 N1 | --- | --- | --- | --- | --- |
| Filling Station Ex 3 | FS-EX-3-2.0 | 2.0 | 4/6/2017 | 69,000 | 5,600 N1 | --- | --- | --- | --- | --- |
| Filling Station Ex 4 | FS-EX-4-8.0 | 8.0 | 4/6/2017 | 12,000 | < 660 | 1,300 F | 0.050 | 0.071 | 3.9 | 12.7 |
| Filling Station Ex 5 | FS-EX-5-11.0 | 11.0 | 4/6/2017 | 24,000 | < 730 | --- | --- | --- | --- | --- |
| Reconnaissance Borings | | | | | | | | | | |
| FB-03 | FB-3-9.0-040617 | 9.0 | 4/6/2017 | < 27 | < 55 | < 5.4 | < 0.020 | < 0.054 | < 0.054 | < 0.108 |
| | FB-3-12.5-040617 | 12.5 | 4/6/2017 | 4,000 | < 110 | 420 F | < 0.020 | < 0.049 | 0.68 | 0.59 |
| | FB-3-13.5-040617 | 13.5 | 4/6/2017 | 14,000 | < 610 | 940 F | 0.046 | < 0.042 | 2.5 | 4.03 |
| | FB-3-15.0-040617 | 15.0 | 4/6/2017 | 2,300 | 150 N1 | 380 F | 0.028 | < 0.044 | 1.2 | 0.98 |
| FB-05 | FB-5-13.5-040617 | 13.5 | 4/6/2017 | < 26 | < 51 | < 4.2 | < 0.020 | < 0.042 | < 0.042 | < 0.084 |
| | FB-5-15.0-040617 | 15.0 | 4/6/2017 | < 26 | < 52 | < 4.4 | < 0.020 | < 0.044 | < 0.044 | < 0.088 |
| | FB-5-17.0-040617 | 17.0 | 4/6/2017 | < 27 | < 53 | < 4.8 | < 0.020 | < 0.048 | < 0.048 | < 0.096 |
| FB-06 | FB-6-12.0-040617 | 12.0 | 4/6/2017 | < 120 | 1,100 | < 4.7 | < 0.020 | < 0.047 | < 0.047 | < 0.094 |
| MTCA Method A Cleanup Levels for Soil⁵ | | | | 2,000 | 2,000 | 30/100⁶ | 0.03 | 7 | 6 | 9 |

Table 2
Soil Analytical Results for TPH and BTEX
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Sample Location | Sample Identification | Sample Depth (feet) ¹ | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | |
|----------------------------------------------------------|-----------------------|----------------------------------|-------------|----------------------------------------------|------------------|---------------------------|----------------------|----------------------|---------------------------|----------------------|
| | | | | DRO ² | ORO ² | GRO ³ | Benzene ⁴ | Toluene ⁴ | Ethylbenzene ⁴ | Xylenes ⁴ |
| Reconnaissance Borings (Continued) | | | | | | | | | | |
| FB-07 | FB-7-13.0-040617 | 13.0 | 4/6/2017 | < 27 | < 53 | < 4.9 | < 0.020 | < 0.049 | < 0.049 | < 0.098 |
| | FB-7-23.0-040617 | 23.0 | 4/6/2017 | 40 N | 440 | < 4.7 | < 0.020 | < 0.047 | < 0.047 | < 0.094 |
| FB-08 | FB-8-14.0-040717 | 14.0 | 4/7/2017 | < 27 | < 55 | < 5.0 | < 0.020 | < 0.050 | < 0.050 | < 0.100 |
| FB-09 | FB-9-6.9-040717 | 6.9 | 4/7/2017 | 1,100 | 350 | < 4.7 | < 0.020 | < 0.047 | < 0.047 | < 0.094 |
| | FB-9-10.0-040717 | 10.0 | 4/7/2017 | 60 | < 53 | < 5.0 | < 0.020 | < 0.050 | < 0.050 | < 0.100 |
| | FB-9-14.0-040717 | 14.0 | 4/7/2017 | 440 | 180 | 330 F | < 0.020 | < 0.050 | 0.63 | 0.48 |
| FB-10 | FB-10-12.8-040717 | 12.8 | 4/7/2017 | 4,300 | < 610 | 880 F | < 0.020 | < 0.044 | 0.59 | 0.99 |
| | FB-10-14.0-040717 | 14.0 | 4/7/2017 | 5,900 | 1,800 N1 | 860 F | 0.080 | < 0.055 | 0.52 | 2.1 |
| | FB-10-17.1-040717 | 17.1 | 4/7/2017 | 1,300 | 270 | 910 F | 0.086 | < 0.25 | 0.58 | 3.0 |
| | FB-10-17.3-040717 | 17.3 | 4/7/2017 | 8,200 | < 580 | 530 F | 0.13 | < 0.27 | 1.3 | 2.2 |
| FB-11 | FB-11-12.6 | 12.6 | 4/13/2017 | < 27 | < 54 | < 5.5 | 0.020 | < 0.055 | < 0.055 | < 0.110 |
| | FB-11-23.4 | 23.4 | 4/13/2017 | 140 | 390 | < 5.9 | < 0.020 | < 0.059 | < 0.059 | < 0.118 |
| Well Installations | | | | | | | | | | |
| MW-6 | MW-6-10.3 | 10.3 | 4/12/2017 | 10,000 | < 570 | 280 F | 0.068 | < 0.065 | 2.2 | 0.96 |
| | MW-6-12.8 | 12.8 | 4/12/2017 | 3,900 | < 310 | 1,400 F | 0.066 | < 0.29 | 0.34 | 0.76 |
| MW-7 | MW-7-13.0 | 13.0 | 4/11/2017 | 160 | < 56 | < 5.8 | < 0.020 | < 0.058 | < 0.058 | < 0.116 |
| | MW-7-17.3 | 17.3 | 4/11/2017 | < 29 | < 58 | < 6.1 | < 0.020 | < 0.061 | < 0.061 | < 0.122 |
| MW-8 | MW-8-12.8 | 12.8 | 4/11/2017 | 1,400 | < 55 | < 6.0 | < 0.020 | < 0.060 | < 0.060 | < 0.120 |
| | MW-8-15.0 | 15.0 | 4/11/2017 | 100 | < 51 | < 4.3 | < 0.020 | < 0.043 | < 0.043 | < 0.086 |
| | MW-8-17.5 | 17.5 | 4/11/2017 | 230 | < 56 | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.110 |
| MTCA Method A Cleanup Levels for Soil⁵ | | | | 2,000 | 2,000 | 30/100⁶ | 0.03 | 7 | 6 | 9 |

Table 2
Soil Analytical Results for TPH and BTEX
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Sample Location | Sample Identification | Sample Depth (feet) ¹ | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | |
|----------------------------------------------------------|-----------------------|----------------------------------|-------------|----------------------------------------------|------------------|---------------------------|----------------------|----------------------|---------------------------|----------------------|
| | | | | DRO ² | ORO ² | GRO ³ | Benzene ⁴ | Toluene ⁴ | Ethylbenzene ⁴ | Xylenes ⁴ |
| Well Installations (continued) | | | | | | | | | | |
| MW-9 | MW-9-12.8 | 12.8 | 4/12/2017 | < 28 | < 55 | < 6.2 | < 0.020 | < 0.062 | < 0.062 | < 0.124 |
| | MW-9-15.6 | 15.6 | 4/12/2017 | 15,000 | < 580 | 1,800 F | < 0.062 | < 0.31 | 0.64 | 2.7 |
| | MW-9-24.5 | 24.5 | 4/13/2017 | 280 | 330 | 31 F | < 0.020 | < 0.076 | < 0.076 | 0.094 |
| MW-10 | MW-10-15.7 | 15.7 | 4/14/2017 | < 30 | < 59 | < 6.1 | < 0.020 | < 0.061 | < 0.061 | < 0.122 |
| | MW-10-25.1 | 25.1 | 4/14/2017 | 1,300 | < 55 | 1,300 F | 0.13 | < 0.46 | 4.5 | 5.14 |
| MW-11 | MW-11-5.8 | 5.8 | 4/14/2017 | < 28 | < 55 | < 5.0 | < 0.020 | < 0.050 | < 0.050 | < 0.100 |
| | MW11-13.2 | 13.2 | 4/14/2017 | 600 | < 59 | 570 F | < 0.024 | < 0.12 | 1.0 | 0.97 |
| | MW11-17.8 | 17.8 | 4/14/2017 | 58 | < 56 | 12 | < 0.020 | < 0.060 | < 0.060 | < 0.120 |
| RW-1 | RW-1-17.5 | 17.5 | 4/10/2017 | < 32 | < 63 | < 6.9 | < 0.020 | < 0.069 | < 0.069 | < 0.138 |
| MTCA Method A Cleanup Levels for Soil⁵ | | | | 2,000 | 2,000 | 30/100⁶ | 0.03 | 7 | 6 | 9 |

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.

— denotes sample not analyzed.

¹Depth in feet below ground surface.

²Analyzed by Northwest Method NWTPH-Dx.

³Analyzed by Northwest Method NWTPH-Gx.

⁴Analyzed by U.S. Environmental Protection Agency Method 8021B.

⁵Washington State Model Toxics Control Act Cleanup Regulation Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

⁶Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

F = hydrocarbons indicative of heavier fuels are present in sample and impacting the gasoline result

GRO = TPH as gasoline-range organics

N = hydrocarbons in the oil-range are impacting the diesel result

N1 = hydrocarbons in the diesel-range are impacting the oil result

ORO = TPH as oil-range organics

Table 3
Groundwater Analytical Results for TPH and BTEX
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Sample Location | Sample Date | Sample Identification | Analytical Results (micrograms per liter) | | | | | | |
|----------------------------------------------------------------|-------------|-----------------------|-------------------------------------------|------------------|------------------------------|----------------------|----------------------|---------------------------|----------------------|
| | | | DRO ¹ | ORO ¹ | GRO ² | Benzene ³ | Toluene ³ | Ethylbenzene ³ | Xylenes ³ |
| Reconnaissance Boring Groundwater Samples | | | | | | | | | |
| FB-09 | 4/7/2017 | FB-9-RECON-040717 | 2,900 | 1,200 | 1,200 F | 2.4 | < 1.0 | 3.7 | 1.7 |
| FB-10 | 4/7/2017 | FB-10-RECON-040717 | 57,000 | < 4,100 | 2,000 F | 71 | 13 | 7.1 | 64 |
| Monitoring Well Groundwater Samples | | | | | | | | | |
| BH-1 | 4/21/2017 | BH-1-042117 | 1,900 | 970 N1 | 820 F | 15 | 2.8 | 8.3 | 18.5 |
| BH-2 | 4/10/2017 | BH-2-041117 | 100,000 | 10,000 | 1,900 F | < 4.0 | < 4.0 | 13 | 39 |
| | 4/21/2017 | BH-2-042117 | 2,600 | 630 N1 | 1,500 F | 4.2 | 3.3 | 12 | 39 |
| BH-3 | 4/21/2017 | BH-3-042117 | 2,400 | 660 | 1,800 F | 1.8 | < 1.0 | 5.4 | 8.2 |
| | 9/29/2017 | BH-3-092917 | 1,200 | 550 N1 | 150 O | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-1 | 3/23/2017 | MW-1-032317 | 520 | 480 | --- | --- | --- | --- | --- |
| | 4/21/2017 | MW-1-042117 | 730 | 510 | 210 F | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 9/29/2017 | MW-1-092917 | 410 | <410 | 200 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-2 | 3/23/2017 | MW-2-032317 | < 260 | < 410 | --- | --- | --- | --- | --- |
| | 4/20/2017 | MW-2-042017 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| MW-3 | 4/20/2017 | MW-3-042017 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 9/28/2017 | MW-3-092817 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| MW-4 | 3/23/2017 | MW-4-032317 | < 260 | < 410 | --- | --- | --- | --- | --- |
| | 4/20/2017 | MW-4-042017 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 9/28/2017 | MW-4-092817 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| MW-5 | 3/23/2017 | MW-5-032317 | < 260 | < 410 | --- | --- | --- | --- | --- |
| | 4/20/2017 | MW-5-042017 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 9/28/2017 | MW-5-092817 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| MW-6 | 4/20/2017 | MW-6-042017 | 1,800 | 480 N1 | 880 F | 5.0 | < 4.0 | 6.2 | 37 |
| | 9/28/2017 | MW-6-092817 | 760 | 430 N1 | 530 O | <1.0 | <1.0 | <1.0 | 4.3 |
| MW-7 | 4/20/2017 | MW-7-042017 | 1,300 | 420 N1 | 1,100 F | 3.2 | < 1.0 | 15 | 11.4 |
| | 9/28/2017 | MW-7-092817 | 520 | <470 U1 | <100 | <1.0 | <1.0 | <1.0 | <2.0 |
| MW-8 | 9/29/2017 | MW-8-092917 | 2,100 | 690 N1 | 1,300 O | <1.0 | <1.0 | 4.1 | 27.2 |
| MW-9 | 9/29/2017 | MW-9-092917 | 1,200 | 670 N1 | 500 O | <1.0 | <1.0 | <1.0 | 1.5 |
| MW-10 | 4/21/2017 | MW-10-042117 | 3,800 | 730 | 1,900 F | 3.4 | < 1.0 | 11 | 12.5 |
| | 9/29/2017 | MW-10-092917 | 16,000 | 1,300 N1 | 1,900 O | <1.0 | <1.0 | 13 | 26.7 |
| MW-11 | 4/21/2017 | MW-11-042117 | 1,700 | 1,000 N1 | 1,400 F | 28 | 4.1 | 8.2 | 26.1 |
| | 9/29/2017 | MW-11-092917 | 3,100 | 720 N1 | 1,000 O | <1.0 | <1.0 | 1.9 | 12.5 |
| RW-1 | 4/21/2017 | RW-1-042117 | 840 | 540 N1 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 9/29/2017 | RW-1-092917 | 360 | 440 | <100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| MTCA Method A Cleanup Level for Groundwater⁴ | | | 500 | 500 | 800/1,000⁵ | 5 | 1,000 | 700 | 1,000 |

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.

— denotes sample not analyzed.

¹Analyzed by Northwest Method NWTPH-Dx.

²Analyzed by Northwest Method NWTPH-Gx.

³Analyzed by U.S. Environmental Protection Agency Method 8021B.

⁴Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

⁵Cleanup level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

F and O = hydrocarbons indicative of heavier fuels are present in sample and impacting the gasoline result

GRO = TPH as gasoline-range organics

N1 = hydrocarbons in the diesel-range are impacting the oil result

ORO = TPH as oil-range organics

U1 = the practical quantitation limit is elevated due to interferences present in the sample

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Columbia River | | | | |
| Columbia River | 3/27/2017 | 3/27/2017 | 30.00 | pads |
| Columbia River | 3/27/2017 | 4/2/2017 | 22.75 | booms, pads |
| Columbia River | 4/4/2017 | 4/4/2017 | 0.62 | pads |
| Columbia River | 4/5/2017 | 4/5/2017 | 2.89 | booms, pads |
| Columbia River | 4/6/2017 | 4/6/2017 | 2.02 | booms, pads |
| Columbia River | 4/7/2017 | 4/7/2017 | 3.77 | booms, pads |
| Columbia River | 4/8/2017 | 4/8/2017 | 2.59 | pads |
| Columbia River | 4/9/2017 | 4/9/2017 | 1.28 | pads |
| Columbia River | 4/10/2017 | 4/10/2017 | 1.77 | pads |
| Columbia River | 4/11/2017 | 4/11/2017 | 2.49 | pads |
| Columbia River | 4/12/2017 | 4/12/2017 | 2.69 | pads |
| Columbia River | 4/13/2017 | 4/13/2017 | 1.94 | pads |
| Columbia River | 4/14/2017 | 4/14/2017 | 1.65 | pads |
| Columbia River | 4/15/2017 | 4/15/2017 | 3.52 | pads |
| Columbia River | 4/16/2017 | 4/16/2017 | 1.21 | pads |
| Columbia River | 4/17/2017 | 4/17/2017 | 3.62 | pads |
| Columbia River | 4/18/2017 | 4/18/2017 | 1.13 | pads |
| Columbia River | 4/19/2017 | 4/19/2017 | 0.91 | pads |
| Columbia River | 4/20/2017 | 4/20/2017 | 0.76 | pads |
| Columbia River | 4/21/2017 | 4/21/2017 | 0.79 | pads |
| Columbia River | 4/22/2017 | 4/22/2017 | 1.08 | pads |
| Columbia River | 4/23/2017 | 4/23/2017 | 0.77 | pads |
| Columbia River | 4/25/2017 | 4/25/2017 | 0.44 | pads |
| Columbia River | 4/27/2017 | 4/27/2017 | 1.05 | pads |
| Columbia River | 4/28/2017 | 4/28/2017 | 0.95 | pads |
| Columbia River | 4/29/2017 | 4/29/2017 | 0.54 | pads |
| Columbia River | 4/30/2017 | 4/30/2017 | 1.09 | pads |
| Columbia River | 5/1/2017 | 5/1/2017 | 0.30 | pads |
| Columbia River | 5/3/2017 | 5/3/2017 | 2.00 | pads |
| Columbia River | 5/5/2017 | 5/5/2017 | 1.74 | pads |
| Columbia River | 5/6/2017 | 5/6/2017 | 0.95 | pads |
| Columbia River | 5/7/2017 | 5/7/2017 | 0.94 | pads |
| Columbia River | 5/9/2017 | 5/9/2017 | 1.85 | pads |
| Columbia River | 5/10/2017 | 5/10/2017 | 1.85 | pads |
| Columbia River | 5/11/2017 | 5/11/2017 | 2.96 | pads |
| Columbia River | 5/12/2017 | 5/12/2017 | 1.46 | pads |
| Columbia River | 5/13/2017 | 5/13/2017 | 0.60 | pads |
| Columbia River | 5/14/2017 | 5/14/2017 | 0.53 | pads |
| Columbia River | 5/15/2017 | 5/15/2017 | 0.83 | pads |
| Columbia River | 5/16/2017 | 5/16/2017 | 0.48 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Columbia River (continued) | | | | |
| Columbia River | 5/17/2017 | 5/17/2017 | 1.19 | pads |
| Columbia River | 5/18/2017 | 5/18/2017 | 1.99 | pads |
| Columbia River | 5/19/2017 | 5/19/2017 | 0.24 | pads |
| Columbia River | 5/20/2017 | 5/20/2017 | 1.33 | pads |
| Columbia River | 5/21/2017 | 5/21/2017 | 0.79 | pads |
| Columbia River | 5/22/2017 | 5/22/2017 | 0.34 | pads |
| Columbia River | 5/31/2017 | 6/4/2017 | 0.41 | pads |
| Columbia River | 6/5/2017 | 6/5/2017 | 0.79 | pads |
| Columbia River | 5/25/2017 | 6/5/2017 | 1.24 | boom(s) |
| Columbia River | 6/5/2017 | 6/6/2017 | 1.25 | pads |
| Columbia River | 6/6/2017 | 6/7/2017 | 0.10 | pads |
| Columbia River | 6/7/2017 | 6/8/2017 | 0.26 | pads |
| Columbia River | 6/8/2017 | 6/9/2017 | 0.40 | pads |
| Columbia River | 6/9/2017 | 6/10/2017 | 0.66 | pads |
| Columbia River | 6/10/2017 | 6/11/2017 | 0.30 | pads |
| Columbia River | 6/10/2017 | 6/11/2017 | 0.48 | boom(s) |
| Columbia River | 6/11/2017 | 6/12/2017 | 1.70 | pads |
| Columbia River | 6/12/2017 | 6/13/2017 | 0.49 | pads |
| Columbia River | 6/18/2017 | 6/19/2017 | 0.82 | pads |
| Columbia River | 6/19/2017 | 6/20/2017 | 2.63 | boom(s) |
| Columbia River | 6/19/2017 | 6/20/2017 | 0.94 | pads |
| Columbia River | 6/20/2017 | 6/21/2017 | 0.24 | pads |
| Columbia River | 6/20/2017 | 6/21/2017 | 0.30 | boom(s) |
| Columbia River | 6/21/2017 | 6/22/2017 | 0.20 | boom(s) |
| Columbia River | 6/21/2017 | 6/22/2017 | 0.46 | pads |
| Columbia River | 6/22/2017 | 6/23/2017 | 0.72 | pads |
| Columbia River | 6/23/2017 | 6/24/2017 | 0.06 | pads |
| Columbia River | 6/24/2017 | 6/25/2017 | 0.21 | pads |
| Columbia River | 6/25/2017 | 6/26/2017 | 0.53 | pads |
| Columbia River | 6/22/2017 | 6/26/2017 | 0.14 | boom(s) |
| Columbia River | 6/26/2017 | 6/27/2017 | 0.08 | pads |
| Columbia River | 6/27/2017 | 6/28/2017 | 0.45 | pads |
| Columbia River | 6/26/2017 | 6/28/2017 | 0.72 | boom(s) |
| Columbia River | 6/28/2017 | 6/29/2017 | 0.32 | pads |
| Columbia River | 6/29/2017 | 6/30/2017 | 1.47 | boom(s) |
| Columbia River | 6/29/2017 | 6/30/2017 | 0.56 | pads |
| Columbia River | 6/30/2017 | 7/1/2017 | 0.30 | pads |
| Columbia River | 7/1/2017 | 7/2/2017 | 0.53 | pads |
| Columbia River | 7/1/2017 | 7/2/2017 | 0.68 | boom(s) |
| Columbia River | 7/2/2017 | 7/3/2017 | 0.25 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Columbia River (continued) | | | | |
| Columbia River | 7/3/2017 | 7/4/2017 | 0.14 | pads |
| Columbia River | 7/4/2017 | 7/5/2017 | 1.73 | pads |
| Columbia River | 7/4/2017 | 7/5/2017 | 0.81 | boom(s) |
| Columbia River | 7/5/2017 | 7/6/2017 | 0.08 | pads |
| Columbia River | 7/6/2017 | 7/7/2017 | 0.31 | pads |
| Columbia River | 7/7/2017 | 7/8/2017 | 0.31 | pads |
| Columbia River | 7/8/2017 | 7/9/2017 | 0.41 | pads |
| Columbia River | 7/9/2017 | 7/10/2017 | 0.16 | pads |
| Columbia River | 7/10/2017 | 7/11/2017 | 0.22 | pads |
| Columbia River | 7/11/2017 | 7/13/2017 | 0.53 | pads |
| Columbia River | 7/13/2017 | 7/14/2017 | 0.11 | pads |
| Columbia River | 7/14/2017 | 7/15/2017 | 0.46 | pads |
| Columbia River | 7/15/2017 | 7/16/2017 | 0.29 | pads |
| Columbia River | 7/16/2017 | 7/17/2017 | 0.11 | pads |
| Columbia River | 7/18/2017 | 7/19/2017 | 0.06 | pads |
| Columbia River | 7/5/2017 | 7/19/2017 | 0.11 | boom(s) |
| Columbia River | 7/19/2017 | 7/20/2017 | 0.13 | pads |
| Columbia River | 7/20/2017 | 7/21/2017 | 0.15 | pads |
| Columbia River | 7/21/2017 | 7/22/2017 | 0.18 | pads |
| Columbia River | 7/21/2017 | 7/23/2017 | 0.06 | pads |
| Columbia River | 7/19/2017 | 7/24/2017 | 0.35 | boom(s) |
| Columbia River | 7/23/2017 | 7/24/2017 | 0.01 | pads |
| Columbia River | 7/24/2017 | 7/25/2017 | 0.06 | pads |
| Columbia River | 7/25/2017 | 7/26/2017 | 0.09 | pads |
| Columbia River | 7/26/2017 | 7/27/2017 | 0.15 | pads |
| Columbia River | 7/27/2017 | 7/28/2017 | 0.01 | pads |
| Columbia River | 7/24/2017 | 7/30/2017 | 0.00 | boom(s) |
| Columbia River | 7/28/2017 | 7/30/2017 | 0.22 | pads |
| Columbia River | 7/30/2017 | 7/31/2017 | 0.12 | pads |
| Columbia River | 7/30/2017 | 8/1/2017 | 0.93 | boom(s) |
| Columbia River | 7/30/2017 | 8/1/2017 | 0.17 | pads |
| Columbia River | 8/1/2017 | 8/2/2017 | 0.09 | pads |
| Columbia River | 8/1/2017 | 8/3/2017 | 0.24 | boom(s) |
| Columbia River | 8/2/2017 | 8/3/2017 | 0.33 | pads |
| Columbia River | 8/3/2017 | 8/4/2017 | 0.14 | pads |
| Columbia River | 8/4/2017 | 8/5/2017 | 0.18 | pads |
| Columbia River | 8/3/2017 | 8/5/2017 | 0.30 | boom(s) |
| Columbia River | 8/5/2017 | 8/6/2017 | 1.38 | pads |
| Columbia River | 8/6/2017 | 8/7/2017 | 0.19 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|--------------------------------------------|------------------|-----------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Columbia River (continued) | | | | |
| Columbia River | 8/7/2017 | 8/8/2017 | 0.18 | pads |
| Columbia River | 8/5/2017 | 8/8/2017 | 0.85 | boom(s) |
| Columbia River | 8/8/2017 | 8/9/2017 | 0.06 | pads |
| Columbia River | 8/8/2017 | 8/10/2017 | 0.05 | boom(s) |
| Columbia River | 8/9/2017 | 8/10/2017 | 0.15 | pads |
| Columbia River | 8/10/2017 | 8/11/2017 | 0.18 | pads |
| Columbia River | 8/11/2017 | 8/12/2017 | 0.15 | pads |
| Columbia River | 8/12/2017 | 8/13/2017 | 0.24 | pads |
| Columbia River | 8/13/2017 | 8/14/2017 | 0.26 | pads |
| Columbia River | 8/10/2017 | 8/14/2017 | 0.05 | boom(s) |
| Columbia River | 8/14/2017 | 8/15/2017 | 0.06 | pads |
| Columbia River | 8/15/2017 | 8/16/2017 | 0.30 | pads |
| Columbia River | 8/16/2017 | 8/17/2017 | 0.39 | pads |
| Columbia River | 8/17/2017 | 8/18/2017 | 0.13 | pads |
| Columbia River | 8/18/2017 | 8/19/2017 | 0.06 | pads |
| Columbia River | 8/19/2017 | 8/20/2017 | 0.20 | pads |
| Columbia River | 8/8/2017 | 8/20/2017 | 0.07 | boom(s) |
| Columbia River | 8/20/2017 | 8/21/2017 | 0.17 | pads |
| Columbia River | 8/21/2017 | 8/22/2017 | 0.05 | pads |
| Columbia River | 8/23/2017 | 8/23/2017 | 0.05 | pads |
| Columbia River | 8/24/2017 | 8/24/2017 | 0.03 | pads |
| Columbia River | 8/25/2017 | 8/25/2017 | 0.30 | pads |
| Columbia River | 8/26/2017 | 8/26/2017 | 0.07 | pads |
| Columbia River | 8/28/2017 | 8/28/2017 | 0.34 | pads |
| Columbia River | 8/29/2017 | 8/29/2017 | 0.18 | pads |
| Columbia River | 8/30/2017 | 8/30/2017 | 0.04 | pads |
| Columbia River | 8/20/2017 | 8/30/2017 | 0.46 | boom(s) |
| Columbia River | 8/20/2017 | 8/31/2017 | 0.98 | boom(s) |
| Columbia River | 9/1/2017 | 9/1/2017 | 0.22 | pads |
| Columbia River | 8/20/2017 | 9/1/2017 | 0.55 | boom(s) |
| Columbia River | 9/2/2017 | 9/2/2017 | 0.13 | pads |
| Columbia River | 9/3/2017 | 9/3/2017 | 0.22 | pads |
| Columbia River | 8/30/2017 | 9/4/2017 | 1.30 | boom(s) |
| Columbia River | 9/4/2017 | 9/4/2017 | 0.14 | pads |
| Columbia River | 9/5/2017 | 9/5/2017 | 0.37 | pads |
| Columbia River | 9/12/2017 | 9/12/2017 | 0.08 | pads |
| Columbia River | 8/20/2017 | 9/14/2017 | 0.24 | boom |
| Columbia River | 9/14/2017 | 9/14/2017 | 0.01 | pads |
| Total Recovered from Columbia River | 3/27/2017 | 9/5/2017 | 158.01 | pads & booms |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #1 Near Fuel Rack | | | | |
| Sump #1 | 4/11/2017 | 4/11/2017 | 2.85 | pads, booms |
| Sump #1 | 4/12/2017 | 4/12/2017 | 2.85 | pads |
| Sump #1 | 4/13/2017 | 4/13/2017 | 1.21 | pads |
| Sump #1 | 4/14/2017 | 4/14/2017 | 0.63 | pads |
| Sump #1 | 4/15/2017 | 4/15/2017 | 0.73 | boom |
| Sump #1 | 4/16/2017 | 4/16/2017 | 0.42 | boom |
| Sump #1 | 4/18/2017 | 4/18/2017 | 0.42 | pads |
| Sump #1 | 4/19/2017 | 4/19/2017 | 0.42 | pads |
| Sump #1 | 4/20/2017 | 4/20/2017 | 0.05 | pads |
| Sump #1 | 4/21/2017 | 4/21/2017 | 0.31 | pads |
| Sump #1 | 4/23/2017 | 4/23/2017 | 0.05 | pads |
| Sump #1 | 4/25/2017 | 4/25/2017 | 0.26 | pads |
| Sump #1 | 4/26/2017 | 4/26/2017 | 0.50 | pads |
| Sump #1 | 5/5/2017 | 5/5/2017 | 0.18 | pads |
| Sump #1 | 5/6/2017 | 5/6/2017 | 0.16 | pads |
| Sump #1 | 5/12/2017 | 5/12/2017 | 0.26 | pads |
| Sump #1 | 5/14/2017 | 5/14/2017 | 0.16 | pads |
| Sump #1 | 5/23/2017 | 6/2/2017 | 0.07 | pads |
| Sump #1 | 6/2/2017 | 6/8/2017 | 0.19 | pads |
| Sump #1 | 6/8/2017 | 6/12/2017 | 0.18 | pads |
| Sump #1 | 8/9/2017 | 8/12/2017 | 0.02 | pads |
| Sump #1 | 8/12/2017 | 8/16/2017 | 0.07 | pads |
| Total Recovered from Sump #1 | 4/11/2017 | 8/16/2017 | 11.99 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|--------------------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #2 Near Warehouse Loading Dock | | | | |
| Sump #2 | 4/19/2017 | 4/19/2017 | 0.48 | pads |
| Sump #2 | 4/20/2017 | 4/20/2017 | 0.05 | pads |
| Sump #2 | 4/21/2017 | 4/21/2017 | 0.31 | pads |
| Sump #2 | 4/22/2017 | 4/22/2017 | 0.05 | pads |
| Sump #2 | 4/23/2017 | 4/23/2017 | 0.15 | pads |
| Sump #2 | 4/24/2017 | 4/24/2017 | 0.58 | pads |
| Sump #2 | 4/26/2017 | 4/26/2017 | 0.63 | pads |
| Sump #2 | 5/2/2017 | 5/2/2017 | 0.36 | pads |
| Sump #2 | 5/3/2017 | 5/3/2017 | 2.17 | pads |
| Sump #2 | 5/5/2017 | 5/5/2017 | 0.18 | pads |
| Sump #2 | 5/23/2017 | 6/22/2017 | 0.01 | pads |
| Sump #2 | 6/22/2017 | 6/28/2017 | 0.16 | pads |
| Sump #2 | 6/28/2017 | 7/5/2017 | 0.24 | pads |
| Sump #2 | 7/5/2017 | 7/11/2017 | 0.33 | pads |
| Sump #2 | 7/11/2017 | 7/15/2017 | 0.31 | pads |
| Sump #2 | 7/15/2017 | 7/16/2017 | 0.14 | pads |
| Sump #2 | 7/16/2017 | 7/18/2017 | 0.24 | pads |
| Sump #2 | 7/18/2017 | 7/19/2017 | 0.26 | pads |
| Sump #2 | 7/19/2017 | 7/20/2017 | 0.21 | pads |
| Sump #2 | 7/20/2017 | 7/21/2017 | 0.20 | pads |
| Sump #2 | 7/21/2017 | 7/22/2017 | 0.10 | pads |
| Sump #2 | 7/22/2017 | 7/24/2017 | 0.20 | pads |
| Sump #2 | 7/24/2017 | 7/25/2017 | 0.08 | pads |
| Sump #2 | 7/25/2017 | 7/26/2017 | 0.11 | pads |
| Sump #2 | 7/26/2017 | 7/28/2017 | 0.15 | pads |
| Sump #2 | 7/28/2017 | 7/30/2017 | 0.03 | pads |
| Sump #2 | 7/30/2017 | 8/1/2017 | 0.07 | pads |
| Sump #2 | 8/1/2017 | 8/3/2017 | 0.20 | pads |
| Sump #2 | 8/3/2017 | 8/4/2017 | 0.09 | pads |
| Sump #2 | 8/4/2017 | 8/6/2017 | 0.09 | pads |
| Sump #2 | 8/6/2017 | 8/7/2017 | 0.08 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|--------------------------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #2 Near Warehouse Loading Dock (continued) | | | | |
| Sump #2 | 8/7/2017 | 8/8/2017 | 0.09 | pads |
| Sump #2 | 8/8/2017 | 8/9/2017 | 0.19 | pads |
| Sump #2 | 8/9/2017 | 8/10/2017 | 0.15 | pads |
| Sump #2 | 8/10/2017 | 8/11/2017 | 0.27 | pads |
| Sump #2 | 8/11/2017 | 8/12/2017 | 0.04 | pads |
| Sump #2 | 8/12/2017 | 8/13/2017 | 0.22 | pads |
| Sump #2 | 8/13/2017 | 8/15/2017 | 0.46 | pads |
| Sump #2 | 8/15/2017 | 8/16/2017 | 0.03 | pads |
| Sump #2 | 8/16/2017 | 8/17/2017 | 0.05 | pads |
| Sump #2 | 8/18/2017 | 8/19/2017 | 0.06 | pads |
| Sump #2 | 8/19/2017 | 8/21/2017 | 0.04 | pads |
| Sump #2 | 8/21/2017 | 8/22/2017 | 0.04 | pads |
| Sump #2 | 8/22/2017 | 8/23/2017 | 0.04 | pads |
| Sump #2 | 8/23/2017 | 8/24/2017 | 0.07 | pads |
| Sump #2 | 8/25/2017 | 8/26/2017 | 0.12 | pads |
| Sump #2 | 8/26/2017 | 8/27/2017 | 0.07 | pads |
| Sump #2 | 8/27/2017 | 8/28/2017 | 0.14 | pads |
| Sump #2 | 8/28/2017 | 8/29/2017 | 0.07 | pads |
| Sump #2 | 8/29/2017 | 8/29/2017 | 0.15 | pads |
| Sump #2 | 8/29/2017 | 8/30/2017 | 0.14 | pads |
| Sump #2 | 8/30/2017 | 8/31/2017 | 0.22 | pads |
| Sump #2 | 8/31/2017 | 9/1/2017 | 0.23 | pads |
| Sump #2 | 9/1/2017 | 9/2/2017 | 0.31 | pads |
| Sump #2 | 9/2/2017 | 9/4/2017 | 0.18 | pads |
| Sump #2 | 9/4/2017 | 9/5/2017 | 0.13 | pads |
| Sump #2 | 9/5/2017 | 9/6/2017 | 0.13 | pads |
| Sump #2 | 9/6/2017 | 9/6/2017 | 0.16 | pads |
| Sump #2 | 9/11/2017 | 9/12/2017 | 0.13 | pads |
| Sump #2 | 9/12/2017 | 9/13/2017 | 0.19 | pads |
| Sump #2 | 9/13/2017 | 9/14/2017 | 0.24 | pads |
| Total Recovered from Sump #2 | 4/19/2017 | 9/14/2017 | 12.62 | pads |
| Sump #3 Near Office | | | | |
| Sump #3 | 4/22/2017 | 4/22/2017 | 0.31 | pads |
| Sump #3 | 4/23/2017 | 4/23/2017 | 0.36 | pads |
| Sump #3 | 4/24/2017 | 4/24/2017 | 0.98 | pads |
| Sump #3 | 4/26/2017 | 4/26/2017 | 0.05 | pads |
| Sump #3 | 5/2/2017 | 5/2/2017 | 0.36 | pads |
| Sump #3 | 5/3/2017 | 5/3/2017 | 1.22 | pads |
| Total Recovered from Sump #3 | 4/22/2017 | 5/3/2017 | 3.28 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|---------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #4 South End of Warehouse | | | | |
| Sump #4 | 4/25/2017 | 4/25/2017 | 0.05 | pads |
| Sump #4 | 4/26/2017 | 4/26/2017 | 0.05 | pads |
| Sump #4 | 5/23/2017 | 6/21/2017 | 0.03 | pads |
| Total Recovered from Sump #4 | 4/25/2017 | 6/21/2017 | 0.13 | pads |
| Sump #5 Near Storage Building | | | | |
| Sump #5 | 5/27/2017 | 6/2/2017 | 0.07 | pads |
| Sump #5 | 6/2/2017 | 6/3/2017 | 0.63 | pads |
| Sump #5 | 6/3/2017 | 6/5/2017 | 0.24 | pads |
| Sump #5 | 6/5/2017 | 6/6/2017 | 0.42 | pads |
| Sump #5 | 6/6/2017 | 6/7/2017 | 0.53 | pads |
| Sump #5 | 6/7/2017 | 6/8/2017 | 0.74 | pads |
| Sump #5 | 6/8/2017 | 6/9/2017 | 0.57 | pads |
| Sump #5 | 6/9/2017 | 6/10/2017 | 0.39 | pads |
| Sump #5 | 6/10/2017 | 6/11/2017 | 0.34 | pads |
| Sump #5 | 6/11/2017 | 6/12/2017 | 0.34 | pads |
| Sump #5 | 6/12/2017 | 6/13/2017 | 0.48 | pads |
| Sump #5 | 6/19/2017 | 6/20/2017 | 0.73 | pads |
| Sump #5 | 6/20/2017 | 6/21/2017 | 0.19 | pads |
| Sump #5 | 6/21/2017 | 6/22/2017 | 0.29 | pads |
| Sump #5 | 6/22/2017 | 6/23/2017 | 0.55 | pads |
| Sump #5 | 6/23/2017 | 6/24/2017 | 0.40 | pads |
| Sump #5 | 6/24/2017 | 6/28/2017 | 0.36 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|--------------------------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #5 Near Storage Building (continued) | | | | |
| Sump #5 | 6/28/2017 | 6/29/2017 | 0.68 | pads |
| Sump #5 | 6/29/2017 | 6/30/2017 | 1.36 | pads |
| Sump #5 | 6/30/2017 | 7/2/2017 | 0.65 | pads |
| Sump #5 | 7/2/2017 | 7/5/2017 | 0.38 | pads |
| Sump #5 | 7/5/2017 | 7/12/2017 | 0.68 | pads |
| Sump #5 | 7/12/2017 | 7/13/2017 | 0.69 | pads |
| Sump #5 | 7/13/2017 | 7/14/2017 | 0.66 | pads |
| Sump #5 | 7/14/2017 | 7/15/2017 | 1.11 | pads |
| Sump #5 | 7/15/2017 | 7/16/2017 | 0.40 | pads |
| Sump #5 | 7/16/2017 | 7/17/2017 | 0.66 | pads |
| Sump #5 | 7/17/2017 | 7/18/2017 | 1.05 | pads |
| Sump #5 | 7/18/2017 | 7/19/2017 | 0.42 | pads |
| Sump #5 | 7/19/2017 | 7/20/2017 | 0.61 | pads |
| Sump #5 | 7/20/2017 | 7/21/2017 | 0.46 | pads |
| Sump #5 | 7/21/2017 | 7/22/2017 | 0.38 | pads |
| Sump #5 | 7/22/2017 | 7/23/2017 | 0.11 | pads |
| Sump #5 | 7/23/2017 | 7/24/2017 | 0.28 | pads |
| Sump #5 | 7/24/2017 | 7/25/2017 | 0.57 | pads |
| Sump #5 | 7/25/2017 | 7/26/2017 | 0.55 | pads |
| Sump #5 | 7/26/2017 | 7/27/2017 | 0.53 | pads |
| Sump #5 | 7/27/2017 | 7/28/2017 | 0.66 | pads |
| Sump #5 | 7/28/2017 | 7/29/2017 | 0.46 | pads |
| Sump #5 | 7/29/2017 | 7/30/2017 | 0.38 | pads |
| Sump #5 | 7/30/2017 | 7/31/2017 | 0.32 | pads |
| Sump #5 | 7/31/2017 | 8/1/2017 | 0.30 | pads |
| Sump #5 | 8/1/2017 | 8/2/2017 | 0.63 | pads |
| Sump #5 | 8/2/2017 | 8/3/2017 | 0.50 | pads |
| Sump #5 | 8/3/2017 | 8/4/2017 | 0.34 | pads |
| Sump #5 | 8/4/2017 | 8/6/2017 | 0.32 | pads |
| Sump #5 | 8/6/2017 | 8/7/2017 | 0.14 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|--------------------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #5 Near Storage Building (continued) | | | | |
| Sump #5 | 8/7/2017 | 8/9/2017 | 0.51 | pads |
| Sump #5 | 8/9/2017 | 8/11/2017 | 0.35 | pads |
| Sump #5 | 8/11/2017 | 8/14/2017 | 0.26 | pads |
| Sump #5 | 8/14/2017 | 8/15/2017 | 0.27 | pads |
| Sump #5 | 8/15/2017 | 8/15/2017 | 0.15 | pads |
| Sump #5 | 8/15/2017 | 8/16/2017 | 0.06 | pads |
| Sump #5 | 8/16/2017 | 8/16/2017 | 0.26 | pads |
| Sump #5 | 8/16/2017 | 8/17/2017 | 0.30 | pads |
| Sump #5 | 8/17/2017 | 8/18/2017 | 0.21 | pads |
| Sump #5 | 8/18/2017 | 8/19/2017 | 0.07 | pads |
| Sump #5 | 8/19/2017 | 8/20/2017 | 0.26 | pads |
| Sump #5 | 8/20/2017 | 8/21/2017 | 0.39 | pads |
| Sump #5 | 8/21/2017 | 8/22/2017 | 0.40 | pads |
| Sump #5 | 8/22/2017 | 8/23/2017 | 0.39 | pads |
| Sump #5 | 8/23/2017 | 8/24/2017 | 0.28 | pads |
| Sump #5 | 8/24/2017 | 8/25/2017 | 0.08 | pads |
| Sump #5 | 8/25/2017 | 8/26/2017 | 0.05 | pads |
| Sump #5 | 8/26/2017 | 8/27/2017 | 0.06 | pads |
| Sump #5 | 8/27/2017 | 8/28/2017 | 0.08 | pads |
| Sump #5 | 8/28/2017 | 8/30/2017 | 0.11 | pads |
| Sump #5 | 8/30/2017 | 8/30/2017 | 0.20 | pads |
| Sump #5 | 8/30/2017 | 8/31/2017 | 0.11 | pads |
| Sump #5 | 8/31/2017 | 9/1/2017 | 0.21 | pads |
| Sump #5 | 9/1/2017 | 9/2/2017 | 0.13 | pads |
| Sump #5 | 9/2/2017 | 9/3/2017 | 0.14 | pads |
| Sump #5 | 9/3/2017 | 9/6/2017 | 0.25 | pads |
| Sump #5 | 9/11/2017 | 9/13/2017 | 0.20 | pads |
| Total Recovered from Sump #5 | 5/27/2017 | 9/13/2017 | 29.33 | pads |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|---------------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Sump #6 on Northern End of Warehouse | | | | |
| Sump #6 | 7/18/2017 | 7/18/2017 | 0.99 | pads |
| Sump #6 | 7/18/2017 | 7/18/2017 | 5.55 | pump |
| Sump #6 | 7/18/2017 | 7/19/2017 | 0.78 | pads |
| Sump #6 | 7/19/2017 | 7/20/2017 | 0.24 | pads |
| Sump #6 | 7/20/2017 | 7/24/2017 | 0.01 | pads |
| Sump #6 | 7/24/2017 | 7/30/2017 | 0.07 | pads |
| Sump #6 | 7/30/2017 | 8/1/2017 | 0.05 | pads |
| Sump #6 | 8/1/2017 | 8/9/2017 | 0.20 | pads |
| Sump #6 | 8/9/2017 | 8/11/2017 | 0.09 | pads |
| Sump #6 | 8/11/2017 | 8/12/2017 | 0.05 | pads |
| Sump #6 | 8/12/2017 | 8/13/2017 | 0.07 | pads |
| Sump #6 | 8/13/2017 | 8/14/2017 | 0.07 | pads |
| Sump #6 | 8/14/2017 | 8/15/2017 | 0.21 | pads |
| Sump #6 | 8/15/2017 | 8/16/2017 | 0.11 | pads |
| Sump #6 | 8/16/2017 | 8/17/2017 | 0.11 | pads |
| Sump #6 | 8/16/2017 | 8/17/2017 | 0.04 | pads |
| Sump #6 | 8/17/2017 | 8/18/2017 | 0.05 | pads |
| Sump #6 | 8/18/2017 | 8/19/2017 | 0.10 | pads |
| Sump #6 | 8/19/2017 | 8/20/2017 | 0.15 | pads |
| Sump #6 | 8/20/2017 | 8/23/2017 | 0.11 | pads |
| Sump #6 | 8/23/2017 | 8/24/2017 | 0.06 | pads |
| Sump #6 | 8/24/2017 | 8/24/2017 | 0.07 | pads |
| Sump #6 | 8/24/2017 | 8/25/2017 | 0.07 | pads |
| Sump #6 | 8/25/2017 | 8/26/2017 | 0.10 | pads |
| Sump #6 | 8/26/2017 | 8/27/2017 | 0.08 | pads |
| Sump #6 | 8/27/2017 | 8/28/2017 | 0.12 | pads |
| Sump #6 | 8/28/2017 | 8/29/2017 | 0.02 | pads |
| Sump #6 | 8/30/2017 | 8/31/2017 | 0.06 | pads |
| Sump #6 | 8/31/2017 | 9/1/2017 | 0.10 | pads |
| Sump #6 | 9/1/2017 | 9/3/2017 | 0.17 | pads |
| Sump #6 | 9/3/2017 | 9/6/2017 | 0.16 | pads |
| Sump #6 | 9/11/2017 | 9/13/2017 | 0.07 | pads |
| Total Recovered from Sump #6 | 7/18/2017 | 9/13/2017 | 10.13 | pads & pump |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|----------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-6 | | | | |
| Total Recovered from MW-6 | 6/16/2017 | 7/23/2017 | 0.03 | sock |
| Monitoring Well MW-8 | | | | |
| MW-8 | 4/13/2017 | 4/13/2017 | 1.855 | pump |
| MW-8 | 5/4/2017 | 5/4/2017 | 1.620 | pump |
| MW-8 | 5/5/2017 | 5/5/2017 | 0.680 | pump |
| MW-8 | 5/6/2017 | 5/6/2017 | 0.570 | pump |
| MW-8 | 5/7/2017 | 5/7/2017 | 0.510 | pump |
| MW-8 | 5/8/2017 | 5/8/2017 | 0.670 | pump |
| MW-8 | 5/10/2017 | 5/10/2017 | 1.120 | pump |
| MW-8 | 5/11/2017 | 5/11/2017 | 0.790 | pump |
| MW-8 | 5/12/2017 | 5/12/2017 | 0.560 | pump |
| MW-8 | 5/13/2017 | 5/13/2017 | 0.790 | pump |
| MW-8 | 5/14/2017 | 5/14/2017 | 0.340 | pump |
| MW-8 | 5/15/2017 | 5/15/2017 | 0.340 | pump |
| MW-8 | 5/16/2017 | 5/16/2017 | 0.34 | pump |
| MW-8 | 5/17/2017 | 5/17/2017 | 0.11 | pump |
| MW-8 | 5/18/2017 | 5/18/2017 | 0.11 | pump |
| MW-8 | 5/20/2017 | 5/20/2017 | 0.07 | socks |
| MW-8 | 5/21/2017 | 5/21/2017 | 0.08 | socks |
| MW-8 | 5/22/2017 | 5/22/2017 | 0.03 | socks |
| MW-8 | 5/29/2017 | 6/2/2017 | 0.10 | socks |
| MW-8 | 6/2/2017 | 6/5/2017 | 0.06 | sock |
| MW-8 | 6/2/2017 | 6/8/2017 | 0.05 | sock |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-8 (continued) | | | | |
| MW-8 | 6/18/2017 | 6/19/2017 | 0.12 | sock |
| MW-8 | 6/19/2017 | 6/20/2017 | 0.11 | sock |
| MW-8 | 6/20/2017 | 6/21/2017 | 0.21 | sock |
| MW-8 | 6/21/2017 | 6/22/2017 | 0.15 | sock |
| MW-8 | 6/22/2017 | 6/23/2017 | 0.13 | sock |
| MW-8 | 6/23/2017 | 6/24/2017 | 0.09 | sock |
| MW-8 | 6/24/2017 | 6/25/2017 | 0.10 | sock |
| MW-8 | 6/25/2017 | 6/26/2017 | 0.08 | sock |
| MW-8 | 6/26/2017 | 6/30/2017 | 0.08 | sock |
| MW-8 | 6/30/2017 | 7/2/2017 | 0.09 | sock |
| MW-8 | 7/2/2017 | 7/3/2017 | 0.11 | sock |
| MW-8 | 7/4/2017 | 7/5/2017 | 0.11 | sock |
| MW-8 | 7/5/2017 | 7/6/2017 | 0.07 | sock |
| MW-8 | 7/6/2017 | 7/10/2017 | 0.05 | sock |
| MW-8 | 7/10/2017 | 7/14/2017 | 0.07 | sock |
| MW-8 | 7/14/2017 | 7/15/2017 | 0.10 | sock |
| MW-8 | 7/15/2017 | 7/16/2017 | 0.11 | sock |
| MW-8 | 7/16/2017 | 7/17/2017 | 0.11 | sock |
| MW-8 | 7/17/2017 | 7/17/2017 | 0.62 | pump |
| MW-8 | 7/17/2017 | 7/18/2017 | 0.08 | sock |
| MW-8 | 7/18/2017 | 7/21/2017 | 0.07 | sock |
| MW-8 | 7/21/2017 | 7/27/2017 | 0.02 | sock |
| MW-8 | 7/27/2017 | 8/11/2017 | 0.03 | sock |
| Total Recovered from MW-8 | 4/13/2017 | 8/11/2017 | 13.51 | pump & socks |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-9 | | | | |
| MW-9 | 5/2/2017 | 5/2/2017 | 3 | pump |
| MW-9 | 5/4/2017 | 5/4/2017 | 3.58 | pump |
| MW-9 | 5/5/2017 | 5/5/2017 | 1.8 | pump |
| MW-9 | 5/6/2017 | 5/6/2017 | 0.56 | pump |
| MW-9 | 5/7/2017 | 5/7/2017 | 0.28 | pump |
| MW-9 | 5/8/2017 | 5/8/2017 | 2.7 | pump |
| MW-9 | 5/9/2017 | 5/9/2017 | 4.14 | pump |
| MW-9 | 5/10/2017 | 5/10/2017 | 3.82 | pump |
| MW-9 | 5/11/2017 | 5/11/2017 | 1.46 | pump |
| MW-9 | 5/12/2017 | 5/12/2017 | 1.8 | pump |
| MW-9 | 5/13/2017 | 5/13/2017 | 1.57 | pump |
| MW-9 | 5/14/2017 | 5/14/2017 | 1.12 | pump |
| MW-9 | 5/15/2017 | 5/15/2017 | 0.45 | pump |
| MW-9 | 5/16/2017 | 5/16/2017 | 0.67 | pump |
| MW-9 | 5/17/2017 | 5/17/2017 | 0.67 | pump |
| MW-9 | 5/18/2017 | 5/18/2017 | 0.45 | pump |
| MW-9 | 5/19/2017 | 5/19/2017 | 0.45 | pump |
| MW-9 | 5/20/2017 | 5/20/2017 | 0.35 | socks |
| MW-9 | 5/21/2017 | 5/21/2017 | 0.21 | socks |
| MW-9 | 5/22/2017 | 5/22/2017 | 0.26 | socks |
| MW-9 | 6/2/2017 | 6/2/2017 | 0.32 | socks |
| MW-9 | 6/3/2017 | 6/3/2017 | 0.16 | sock |
| MW-9 | 6/4/2017 | 6/4/2017 | 0.21 | sock |
| MW-9 | 6/5/2017 | 6/5/2017 | 0.24 | sock |
| MW-9 | 6/5/2017 | 6/5/2017 | 0.11 | sock |
| MW-9 | 6/5/2017 | 6/6/2017 | 0.34 | pump |
| MW-9 | 6/7/2017 | 6/7/2017 | 0.25 | socks |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-----------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-9 (continued) | | | | |
| MW-9 | 6/8/2017 | 6/8/2017 | 0.36 | socks |
| MW-9 | 6/8/2017 | 6/9/2017 | 0.09 | sock |
| MW-9 | 6/9/2017 | 6/10/2017 | 0.10 | sock |
| MW-9 | 6/10/2017 | 6/11/2017 | 0.11 | sock |
| MW-9 | 6/11/2017 | 6/12/2017 | 0.10 | sock |
| MW-9 | 6/12/2017 | 6/13/2017 | 0.11 | sock |
| MW-9 | 6/13/2017 | 6/14/2017 | 0.12 | sock |
| MW-9 | 6/19/2017 | 6/20/2017 | 0.11 | sock |
| MW-9 | 6/20/2017 | 6/21/2017 | 0.21 | sock |
| MW-9 | 6/21/2017 | 6/22/2017 | 0.19 | sock |
| MW-9 | 6/22/2017 | 6/23/2017 | 0.15 | sock |
| MW-9 | 6/23/2017 | 6/24/2017 | 0.08 | sock |
| MW-9 | 6/24/2017 | 6/25/2017 | 0.08 | sock |
| MW-9 | 6/25/2017 | 6/26/2017 | 0.18 | sock |
| MW-9 | 6/26/2017 | 6/27/2017 | 0.18 | sock |
| MW-9 | 6/27/2017 | 6/28/2017 | 0.16 | sock |
| MW-9 | 6/29/2017 | 6/30/2017 | 0.10 | sock |
| MW-9 | 6/30/2017 | 7/3/2017 | 0.07 | sock |
| MW-9 | 7/3/2017 | 7/7/2017 | 0.08 | sock |
| MW-9 | 7/7/2017 | 7/17/2017 | 0.08 | sock |
| MW-9 | 7/17/2017 | 7/23/2017 | 0.05 | sock |
| MW-9 | 7/23/2017 | 7/27/2017 | 0.02 | sock |
| MW-9 | 7/27/2017 | 8/11/2017 | 0.03 | sock |
| MW-9 | 8/11/2017 | 8/23/2017 | 0.03 | sock |
| Total Recovered from MW-9 | 5/16/2017 | 8/23/2017 | 33.76 | pump & socks |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-10 | | | | |
| MW-10 | 7/4/2017 | 7/5/2017 | 0.15 | sock |
| MW-10 | 7/5/2017 | 7/6/2017 | 0.29 | sock |
| MW-10 | 7/6/2017 | 7/7/2017 | 0.24 | sock |
| MW-10 | 7/7/2017 | 7/10/2017 | 0.17 | sock |
| MW-10 | 7/10/2017 | 7/11/2017 | 0.19 | sock |
| MW-10 | 7/11/2017 | 7/12/2017 | 0.16 | sock |
| MW-10 | 7/12/2017 | 7/13/2017 | 0.14 | sock |
| MW-10 | 7/13/2017 | 7/14/2017 | 0.13 | sock |
| MW-10 | 7/14/2017 | 7/15/2017 | 0.07 | sock |
| MW-10 | 7/15/2017 | 7/16/2017 | 0.08 | sock |
| MW-10 | 7/16/2017 | 7/17/2017 | 0.09 | sock |
| MW-10 | 7/17/2017 | 7/17/2017 | 0.41 | pump |
| MW-10 | 7/17/2017 | 7/18/2017 | 0.07 | sock |
| MW-10 | 7/18/2017 | 7/18/2017 | 0.20 | pump |
| MW-10 | 7/18/2017 | 7/19/2017 | 0.05 | sock |
| MW-10 | 7/19/2017 | 7/19/2017 | 0.11 | pump |
| MW-10 | 7/19/2017 | 7/20/2017 | 0.09 | sock |
| MW-10 | 7/20/2017 | 7/20/2017 | 1.13 | pump |
| MW-10 | 7/20/2017 | 7/21/2017 | 0.09 | sock |
| MW-10 | 7/21/2017 | 7/21/2017 | 1.03 | pump |
| MW-10 | 7/21/2017 | 7/22/2017 | 0.03 | sock |
| MW-10 | 7/22/2017 | 7/23/2017 | 0.03 | sock |
| MW-10 | 7/23/2017 | 7/24/2017 | 0.07 | sock |
| MW-10 | 7/24/2017 | 7/24/2017 | 0.62 | pump |
| MW-10 | 7/24/2017 | 7/25/2017 | 0.07 | sock |
| MW-10 | 7/25/2017 | 7/25/2017 | 0.05 | sock |
| MW-10 | 7/25/2017 | 7/26/2017 | 0.07 | sock |
| MW-10 | 7/26/2017 | 7/26/2017 | 1.23 | pump |
| MW-10 | 7/26/2017 | 7/27/2017 | 0.07 | sock |
| MW-10 | 7/27/2017 | 7/27/2017 | 0.82 | pump |
| MW-10 | 7/27/2017 | 7/27/2017 | 0.66 | pump |
| MW-10 | 7/27/2017 | 7/27/2017 | 0.04 | sock |
| MW-10 | 7/27/2017 | 7/28/2017 | 0.08 | sock |
| MW-10 | 7/28/2017 | 7/29/2017 | 0.09 | sock |
| MW-10 | 7/29/2017 | 7/30/2017 | 0.09 | sock |
| MW-10 | 7/30/2017 | 7/31/2017 | 0.10 | sock |
| MW-10 | 7/31/2017 | 8/1/2017 | 0.09 | sock |
| MW-10 | 8/1/2017 | 8/2/2017 | 0.11 | sock |
| MW-10 | 8/2/2017 | 8/3/2017 | 0.10 | sock |
| MW-10 | 8/3/2017 | 8/3/2017 | 0.08 | sock |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|------------------------------------------|----------------|-----------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-10 (continued) | | | | |
| MW-10 | 8/3/2017 | 8/4/2017 | 0.09 | sock |
| MW-10 | 8/4/2017 | 8/5/2017 | 0.09 | sock |
| MW-10 | 8/5/2017 | 8/6/2017 | 0.09 | sock |
| MW-10 | 8/6/2017 | 8/7/2017 | 0.11 | sock |
| MW-10 | 8/7/2017 | 8/8/2017 | 0.10 | sock |
| MW-10 | 8/8/2017 | 8/9/2017 | 0.10 | sock |
| MW-10 | 8/9/2017 | 8/11/2017 | 0.11 | sock |
| MW-10 | 8/11/2017 | 8/11/2017 | 0.06 | sock |
| MW-10 | 8/11/2017 | 8/13/2017 | 0.09 | sock |
| MW-10 | 8/13/2017 | 8/14/2017 | 0.09 | sock |
| MW-10 | 8/14/2017 | 8/14/2017 | 0.09 | sock |
| MW-10 | 8/14/2017 | 8/14/2017 | 1.00 | pump |
| MW-10 | 8/14/2017 | 8/15/2017 | 0.05 | sock |
| MW-10 | 8/15/2017 | 8/15/2017 | 1.60 | pump |
| MW-10 | 8/15/2017 | 8/15/2017 | 0.07 | sock |
| MW-10 | 8/15/2017 | 8/16/2017 | 0.09 | sock |
| MW-10 | 8/16/2017 | 8/16/2017 | 0.09 | sock |
| MW-10 | 8/16/2017 | 8/17/2017 | 0.09 | sock |
| MW-10 | 8/17/2017 | 8/17/2017 | 1.44 | pump |
| MW-10 | 8/17/2017 | 8/17/2017 | 0.07 | sock |
| MW-10 | 8/17/2017 | 8/18/2017 | 0.11 | sock |
| MW-10 | 8/18/2017 | 8/18/2017 | 0.07 | pump |
| MW-10 | 8/18/2017 | 8/18/2017 | 0.09 | sock |
| MW-10 | 8/18/2017 | 8/19/2017 | 0.10 | sock |
| MW-10 | 8/19/2017 | 8/20/2017 | 0.11 | sock |
| MW-10 | 8/20/2017 | 8/21/2017 | 0.09 | sock |
| MW-10 | 8/21/2017 | 8/21/2017 | 0.09 | sock |
| MW-10 | 8/21/2017 | 8/21/2017 | 0.01 | pump |
| MW-10 | 8/21/2017 | 8/22/2017 | 0.09 | sock |
| MW-10 | 8/22/2017 | 8/22/2017 | 0.10 | pump |
| MW-10 | 8/22/2017 | 8/22/2017 | 0.09 | sock |
| MW-10 | 8/22/2017 | 8/23/2017 | 0.10 | sock |
| MW-10 | 8/23/2017 | 8/23/2017 | 0.15 | pump |
| MW-10 | 8/23/2017 | 8/23/2017 | 0.09 | sock |
| MW-10 | 8/23/2017 | 8/24/2017 | 0.09 | sock |
| MW-10 | 8/24/2017 | 8/24/2017 | 0.05 | pump |
| MW-10 | 8/24/2017 | 8/24/2017 | 0.07 | pads |
| MW-10 | 8/24/2017 | 8/25/2017 | 0.09 | sock |
| MW-10 | 8/25/2017 | 8/25/2017 | 0.05 | pump |
| MW-10 | 8/25/2017 | 8/25/2017 | 0.08 | sock |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|------------------------------------------|-----------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well MW-10 (continued) | | | | |
| MW-10 | 8/25/2017 | 8/26/2017 | 0.11 | sock |
| MW-10 | 8/26/2017 | 8/27/2017 | 0.09 | sock |
| MW-10 | 8/27/2017 | 8/28/2017 | 0.09 | sock |
| MW-10 | 8/28/2017 | 8/28/2017 | 0.05 | pump |
| MW-10 | 8/28/2017 | 8/28/2017 | 0.09 | sock |
| MW-10 | 8/28/2017 | 8/29/2017 | 0.11 | sock |
| MW-10 | 8/29/2017 | 8/29/2017 | 0.07 | sock |
| MW-10 | 8/29/2017 | 8/30/2017 | 0.11 | sock |
| MW-10 | 8/30/2017 | 8/30/2017 | 0.04 | pump |
| MW-10 | 8/30/2017 | 8/31/2017 | 0.11 | sock |
| MW-10 | 8/31/2017 | 9/1/2017 | 0.11 | sock |
| MW-10 | 9/1/2017 | 9/1/2017 | 0.09 | pump |
| MW-10 | 9/1/2017 | 9/1/2017 | 0.09 | sock |
| MW-10 | 9/1/2017 | 9/2/2017 | 0.11 | sock |
| MW-10 | 9/2/2017 | 9/3/2017 | 0.09 | sock |
| MW-10 | 9/3/2017 | 9/4/2017 | 0.11 | sock |
| MW-10 | 9/4/2017 | 9/5/2017 | 0.10 | sock |
| MW-10 | 9/5/2017 | 9/5/2017 | 0.07 | pump |
| MW-10 | 9/5/2017 | 9/5/2017 | 0.09 | sock |
| MW-10 | 9/5/2017 | 9/6/2017 | 0.11 | sock |
| MW-10 | 9/6/2017 | 9/6/2017 | 0.09 | sock |
| MW-10 | 9/11/2017 | 9/12/2017 | 0.09 | sock |
| MW-10 | 9/12/2017 | 9/12/2017 | 0.05 | pump |
| MW-10 | 9/12/2017 | 9/12/2017 | 0.10 | sock |
| MW-10 | 9/12/2017 | 9/13/2017 | 0.10 | sock |
| MW-10 | 9/13/2017 | 9/13/2017 | 0.05 | pump |
| MW-10 | 9/13/2017 | 9/13/2017 | 0.09 | sock |
| MW-10 | 9/13/2017 | 9/14/2017 | 0.09 | sock |
| MW-10 | 9/14/2017 | 9/14/2017 | 0.06 | pump |
| MW-10 | 9/14/2017 | 9/14/2017 | 0.09 | sock |
| Total Recovered from MW-10 | 7/4/2017 | 9/14/2017 | 19.28 | pump, pads, & socks |
| Monitoring Well MW-11 | | | | |
| MW-11 | 6/8/2017 | 6/9/2017 | 0.28 | socks |
| MW-11 | 6/9/2017 | 6/10/2017 | 0.10 | sock |
| MW-11 | 6/10/2017 | 6/11/2017 | 0.08 | sock |
| MW-11 | 6/11/2017 | 6/13/2017 | 0.07 | sock |
| MW-11 | 7/18/2017 | 7/19/2017 | 0.08 | sock |
| MW-11 | 7/19/2017 | 8/4/2017 | 0.01 | sock |
| Total Recovered from MW-11 | 6/8/2017 | 8/4/2017 | 0.62 | sock |

Table 4
Light Nonaqueous-Phase Liquid Recovery
Coleman Oil
Wenatchee, Washington
Farallon PN: 1001-002

| Recovery Location(s) | Time Recovered | | Volume (gallons) | LNAPL Recovered with Pads, Booms, Socks, or Pumps ¹ |
|-------------------------------------------------|------------------|------------------|------------------|----------------------------------------------------------------|
| | From: | To: | | |
| Monitoring Well BH-1 | | | | |
| BH-1 | 7/4/2017 | 7/7/2017 | 0.03 | sock |
| BH-1 | 7/7/2017 | 7/10/2017 | 0.04 | sock |
| BH-1 | 7/10/2017 | 7/12/2017 | 0.04 | sock |
| BH-1 | 7/12/2017 | 7/20/2017 | 0.07 | sock |
| BH-1 | 7/20/2017 | 7/23/2017 | 0.01 | sock |
| Total Recovered from BH-1 | 7/4/2017 | 7/23/2017 | 0.19 | sock |
| Monitoring Well BH-2 | | | | |
| BH-2 | 5/20/2017 | 5/20/2017 | 0.18 | socks |
| BH-2 | 5/21/2017 | 5/21/2017 | 0.08 | socks |
| BH-2 | 5/22/2017 | 5/22/2017 | 0.03 | socks |
| BH-2 | 5/23/2017 | 6/2/2017 | 0.03 | sock |
| BH-2 | 6/2/2017 | 6/5/2017 | 0.02 | sock |
| BH-2 | 6/5/2017 | 6/12/2017 | 0.08 | sock |
| BH-2 | 6/18/2017 | 6/22/2017 | 0.03 | sock |
| BH-2 | 6/22/2017 | 7/23/2017 | 0.02 | sock |
| Total Recovered from BH-2 | 6/18/2017 | 7/23/2017 | 0.47 | sock |
| Oil-Water Separator | | | | |
| Oil-water separator | 4/24/2017 | 4/24/2017 | 4.114 | pump |
| Oil-water separator | 7/23/2017 | 7/24/2017 | 0.82 | pump |
| Oil-water separator | 7/24/2017 | 7/24/2017 | 0.62 | pump |
| Oil-water separator | 7/25/2017 | 7/25/2017 | 1.18 | pump |
| Oil-water separator | 7/24/2017 | 8/14/2017 | 0.02 | sock |
| Oil-water separator | 8/23/2017 | 8/23/2017 | 0.05 | pump |
| Oil-water separator | 8/25/2017 | 8/25/2017 | 0.12 | pump |
| Oil-water separator | 8/25/2017 | 8/25/2017 | 0.05 | pads |
| Oil-water separator | 8/28/2017 | 8/28/2017 | 0.07 | pump |
| Oil-water separator | 8/29/2017 | 8/29/2017 | 0.02 | pump |
| Oil-water separator | 8/29/2017 | 8/29/2017 | 0.05 | pads |
| Oil-water separator | 8/30/2017 | 8/30/2017 | 0.02 | pump |
| Oil-water separator | 9/5/2017 | 9/5/2017 | 0.05 | pump |
| Total Recovered from Oil-Water Separator | 4/24/2017 | 9/5/2017 | 7.18 | pump, socks, & pad |
| Total Recovered LNAPL | 3/27/2017 | 9/14/2017 | 300.53 | |

NOTES:

¹The quantity of LNAPL recovered by sorbent material in gallons was determined by subtracting the total weight of oiled sorbent material from the total weight of pre-oiled sorbent material, assuming 25% percent as water content. This process complies with requirements of Washington Administrative Code 173-183-870. Ecology = Washington State Department of Ecology
LNAPL = light nonaqueous-phase liquid

**APPENDIX A
BORING LOGS**
























SUPPLEMENTAL DATA SUMMARY REPORT

Coleman Oil
3 Chehalis Street
Wenatchee, Washington

Farallon PN: 1001-002

USCS Classification and Graphic Legend

| Major Divisions | USCS Graphic Symbol | USCS Letter Symbol | Lithologic Description |
|-----------------|---------------------|--------------------|------------------------|
|-----------------|---------------------|--------------------|------------------------|

| | | | | | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|--------------------------------------------------|
| Coarse-Grained Soil (More than 50% of material is larger than No. 200 sieve size) | GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve) | CLEAN GRAVEL (Little or no fines) |  | GW | Well graded GRAVEL, well graded GRAVEL with sand |
| | | GRAVEL WITH FINES (Appreciable amount of fines) |  | GP | Poorly graded GRAVEL, GRAVEL with sand |
| | | |  | GP-GM | Poorly graded GRAVEL - GRAVEL with sand and silt |
| | | |  | GM | Silty GRAVEL |
| | SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve) | CLEAN SAND (Little or no fines) |  | SW | Well graded SAND |
| | | |  | SP | Poorly graded SAND |
| | | SAND WITH FINES (Appreciable amount of fines) |  | SP-SM | Poorly graded SAND - silty SAND |
| | | |  | SM | Silty SAND |
| | | |  | SC | Clayey SAND |
| | | |  | SM-ML | SILT - Silty SAND |
| Fine-Grained Soil (More than 50% of material is smaller than No. 200 sieve size) | SILT AND CLAY (Liquid limit less than 50) |  | ML | SILT | |
| | |  | CL | CLAY | |
| | |  | OL | Organic SILT | |
| | SILT AND CLAY (Liquid limit greater than 50) |  | MH | Inorganic SILT | |
| | |  | CH | Inorganic CLAY | |
| | |  | OH | Organic CLAY | |
| | | Highly Organic Soil |  | PT | Peat |
| OTHER MATERIALS | PAVEMENT |  | AC | Asphalt concrete | |
| | |  | CO | Concrete | |
| | OTHER |  | RK | Bedrock | |
| | |  | WD | Wood Debris | |
| | |  | DB | Debris (Miscellaneous) | |
| | |  | PC | Portland cement | |

Legend



Sample Interval

Grab Sample Interval

Water level at time of drilling

Water level at time of sampling

Blank Casing

Screened Casing



Cement Grout



Bentonite



Sand Pack



Well Cap

————— Solid line indicates sharp contact between units well defined.

----- Dashed line indicates gradational contact between units.

feet bgs = feet below ground surface

NE = Not Encountered

NA = Not Applicable

PID = Photoionization Detector

PN = Project Number

*ppm = parts per million total organic vapors in isobutylene equivalents using a 10.6 electron volt lamp
 USCS = Unified Soil Classification System



Log of Boring: FB-3

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1100 Date/Time Completed: 4/6/2017 1300 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): 13.0 Total Boring Depth (ft bgs): 15.5 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-------|--------------|------------|-------------------|-----------|--------------------|-----------------|----------------------------------|
| 0 | | 0.0-1.0' Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to coarse sand and gravel, dark brown, moist, no odor. | SM | | 45 | | | | | Asphalt |
| | | 1.0-1.6' Well-graded SAND with gravel (50% sand, 45% gravel, 5% silt), fine to coarse sand and gravel, brown, moist, no odor. | SW | | | | | | | |
| | | 1.6-1.8' Silty SAND (60% sand, 35% silt, 5% gravel), fine to medium sand, tan, moist, no odor. | SM | | | | 0.5 | Soil screen @ 1.5' | | |
| | | 1.8-4.0' No recovery. | | | | | | | | |
| | | 4.0-6.5' Silty SAND (50% sand, 40% silt, 10% gravel), fine sand, coarse gravel, tan to orange, moist, no odor. | SM | | 63 | | | | | |
| 5 | | 6.5-8.0' No recovery. | | | | | | 0.8 | FB-3-6.0-040617 | Bentonite |
| | | 8.0-8.8' Silty SAND (50% sand, 40% silt, 10% gravel), fine sand, coarse gravel, tan to orange, moist, no odor. | SM | | 63 | | | | | |
| | | 8.8-9.7' Poorly graded SAND with silt (85% sand, 10% silt, 5% gravel), fine to medium sand, brown to tan, moist, no odor. | SP-SM | | | | | 0.9 | FB-3-9.0-040617 | X |

Well Construction Information

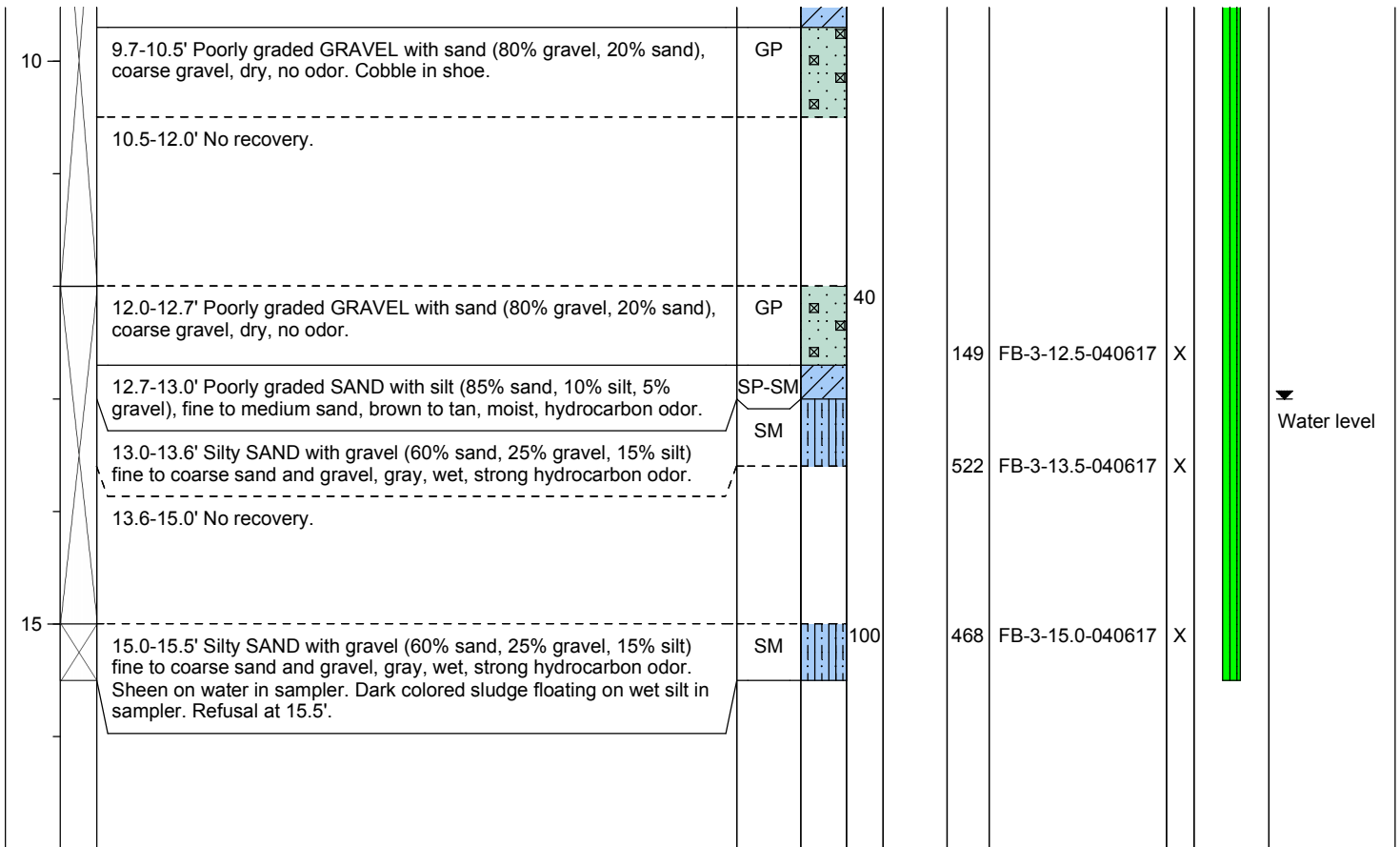
| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Monument Type: NA Casing Diameter (inches): NA Screen Slot Size (inches): NA Screened Interval (ft bgs): NA | Filter Pack: NA Surface Seal: Asphalt Annular Seal: NA Boring Abandonment: Bentonite | Ground Surface Elevation (ft): NA Top of Casing Elevation (ft): NA Surveyed Location: X: 1771728.04 Y: 15299.14 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|



Log of Boring: FB-3

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1100 Date/Time Completed: 4/6/2017 1300 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): 13.0 Total Boring Depth (ft bgs): 15.5 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|---------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771728.04 | |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 15299.14 | |



Log of Boring: FB-4

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1345 Date/Time Completed: 4/6/2017 1438 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): NA Total Boring Depth (ft bgs): 3.0 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 | | |
| Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
| 0 | | 0.0-1.8' Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, brown, moist, no odor. | SM | | | | | | | Asphalt |
| | | 1.8-3.0' No recovery. | | | | | | | | Bentonite |
| | | Refusal at 3.0'. | | | | | | | | |
| 5 | | | | | | | | | | |

| Well Construction Information | | | |
|---------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771767.01 | |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 152933.76 | |



Log of Boring: FB-5

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1450 Date/Time Completed: 4/6/2017 1540 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): NE Total Boring Depth (ft bgs): 17.5 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 | Drilling Foreman: Greg Waltson Drilling Method: Direct push | |
| Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|---------------------------------------------------------------------------------------------------------------|------|--------------|------------|-------------------|-----------|--------------------|-----------------|----------------------------------|
| 0 | | 0.0-5.0' Airknife to 5.0' to clear for utilities. Large granite and schist boulders fill. | | | | | | | | Asphalt |
| 5 | 5.0-6.7' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 57 | | 0.3 | FB-5-6.0-040617 | | Bentonite |
| | 6.7-8.0' | No recovery. | | | | | | | | |
| | 8.0-9.8' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 45 | | 0.3 | Soil screen @ 9.0' | | |
| 10 | 9.8-12.0' | No recovery. Rock in shoe. | | | | | | | | |
| | 12.0-15.0' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 75 | | 0.9 | FB-5-13.5-040617 | X | |
| 15 | 15.0-16.0' | No recovery. Rock in shoe. | | | | | 1.4 | FB-5-15.0-040617 | X | |
| | 16.0-17.0' | Silty SAND (60% sand, 35% silt, 5% gravel), fine sand, light brown, dry, no odor. | SM | | 67 | | 1.3 | FB-5-17.0-040617 | X | |
| | 17.0-17.5' | No recovery. | | | | | | | | |
| | | Refusal at 17.5'. | | | | | | | | |
| 20 | | | | | | | | | | |

| Well Construction Information | | | |
|---------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771868.71 | |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 152918.92 | |



Log of Boring: FB-6

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1540 Date/Time Completed: 4/6/2017 1653 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): NE Total Boring Depth (ft bgs): 15.0 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------|-------------------|-----------|------------------|-----------------|----------------------------------|
| 0 | 0.0-5.0' | Airknife to 5.0' to clear for utilities. | | | | | | | | Asphalt |
| 5 | 5.0-6.9' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 63 | | 1.1 | FB-6-6.5-040617 | | Bentonite |
| | 6.9-8.0' | No recovery. | | | | | | | | |
| | 8.0-10.1' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. Glass debris at 10.0'. | SM | | 60 | | 2.2 | FB-6-9.0-040617 | | |
| | 10.1-10.4' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, dark brown, moist, no odor. | | | | | 2.8 | FB-6-10.3-040617 | | |
| | 10.4-12.0' | No recovery. | | | | | | | | |
| | 12.0-12.5' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, dark brown, moist, no odor. | SM | | 53 | | 1.0 | FB-6-12.0-040617 | X | |
| | 12.5-13.6' | Crushed rock fragments, dry, no odor. | RK | | | | | | | |
| | 13.6-15.0' | No recovery. | | | | | | | | |
| 15 | | Refusal @ 15.0'. | | | | | | | | |

Well Construction Information

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Monument Type: NA Casing Diameter (inches): NA Screen Slot Size (inches): NA Screened Interval (ft bgs): NA | Filter Pack: NA Surface Seal: Asphalt Annular Seal: NA Boring Abandonment: Bentonite | Ground Surface Elevation (ft): NA Top of Casing Elevation (ft): NA Surveyed Location: X: 1771916.84 Y: 152818.36 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|



Log of Boring: FB-7

| | | |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/6/2017 1730 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Greg Waltson Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): NE Total Boring Depth (ft bgs): 23.0 Total Well Depth (ft bgs): NA |
| | Farallon PN: 1001-002 Logged By: Daniel Aguilar | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|

| | | | | | | | | | | |
|----|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----|--|-----|-----|------------------|---|--|-----------|
| 0 | 0.0-5.0' | Airknife to 5.0' to clear for utilities. | | | | | | | | Asphalt |
| 5 | 5.0-5.9' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 30 | | | | | Bentonite |
| | 6.9-8.0' | No recovery. | | | | | | | | |
| | 8.0-8.9' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 23 | 0.4 | FB-7-8.5-040617 | | | |
| | 8.9-12.0' | No recovery. | | | | | | | | |
| 10 | 12.0-13.7' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | SM | | 43 | 0.0 | FB-7-13.0-040617 | X | | |
| | 13.7-16.0' | No recovery. | | | | | | | | |
| 15 | 16.0-19.0' | Silty SAND (60% sand, 40% silt), fine to medium sand, brown, moist, no odor. Very dense native silty sands. | SM | | 100 | 0.0 | FB-7-17.0-040617 | | | |
| 20 | 19.0-20.0' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. Very dense native lithology. | | | 100 | 0.0 | FB-7-20.0-040617 | | | |
| | 20.0-23.0' | Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to coarse sand and gravel, brown, dry, no odor. | | | | 0.4 | FB-7-23.0-040617 | X | | |
| | Refusal @ 23.0' due to very dense native lithology. | | | | | | | | | |

| Well Construction Information | | | |
|---------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771827.13 | |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 153007.60 | |



Log of Boring: FB-8

Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

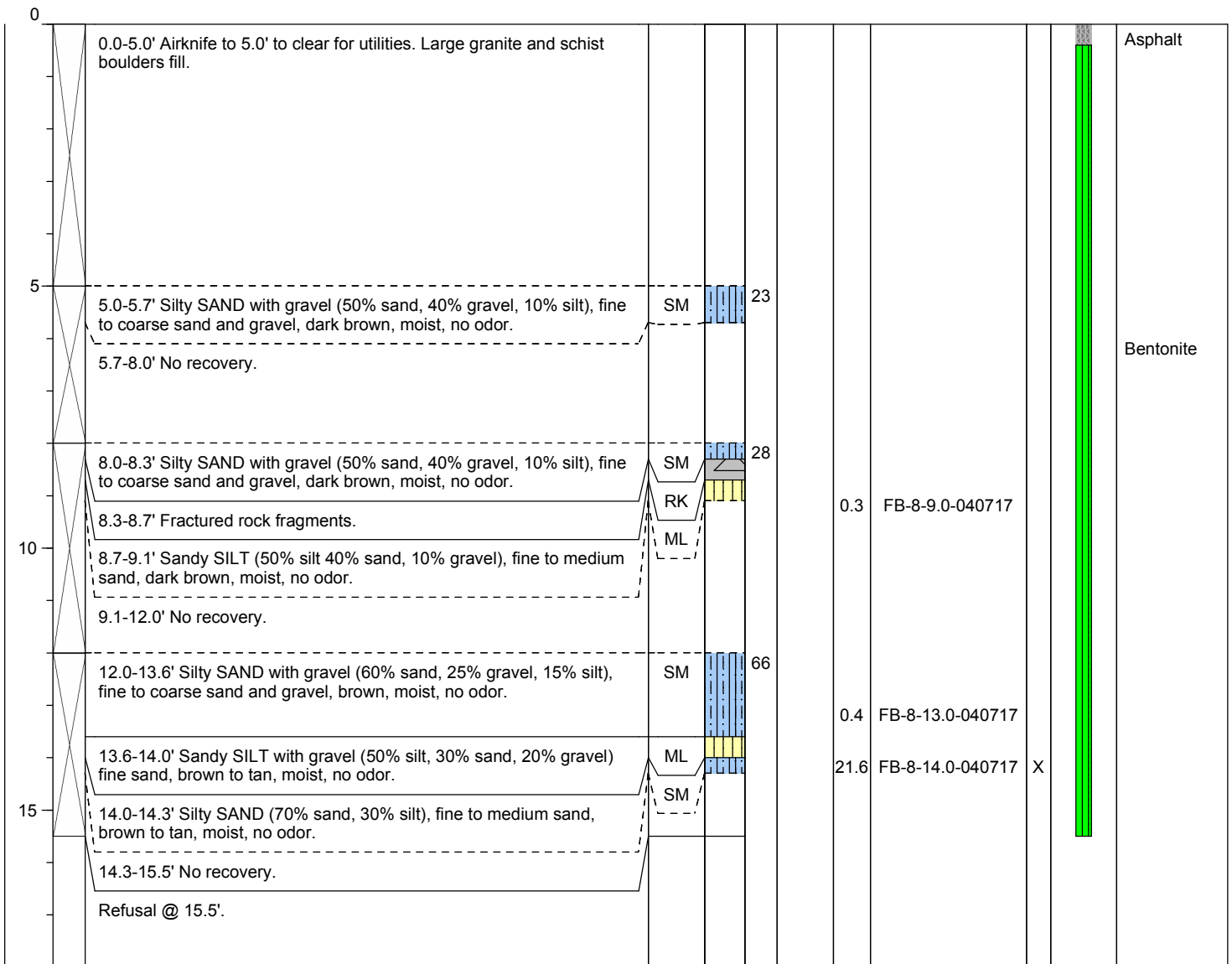
Date/Time Started: 4/7/2017 0925
Date/Time Completed: 4/7/2017 1045
Equipment: Geoprobe 5400
Drilling Company: Environmental West
Drilling Foreman: Ron Sink
Drilling Method: Direct push

Sampler Type: 4' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 15.5
Total Well Depth (ft bgs): NA

Farallon PN: 1001-002

Logged By: Daniel Aguilar

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|

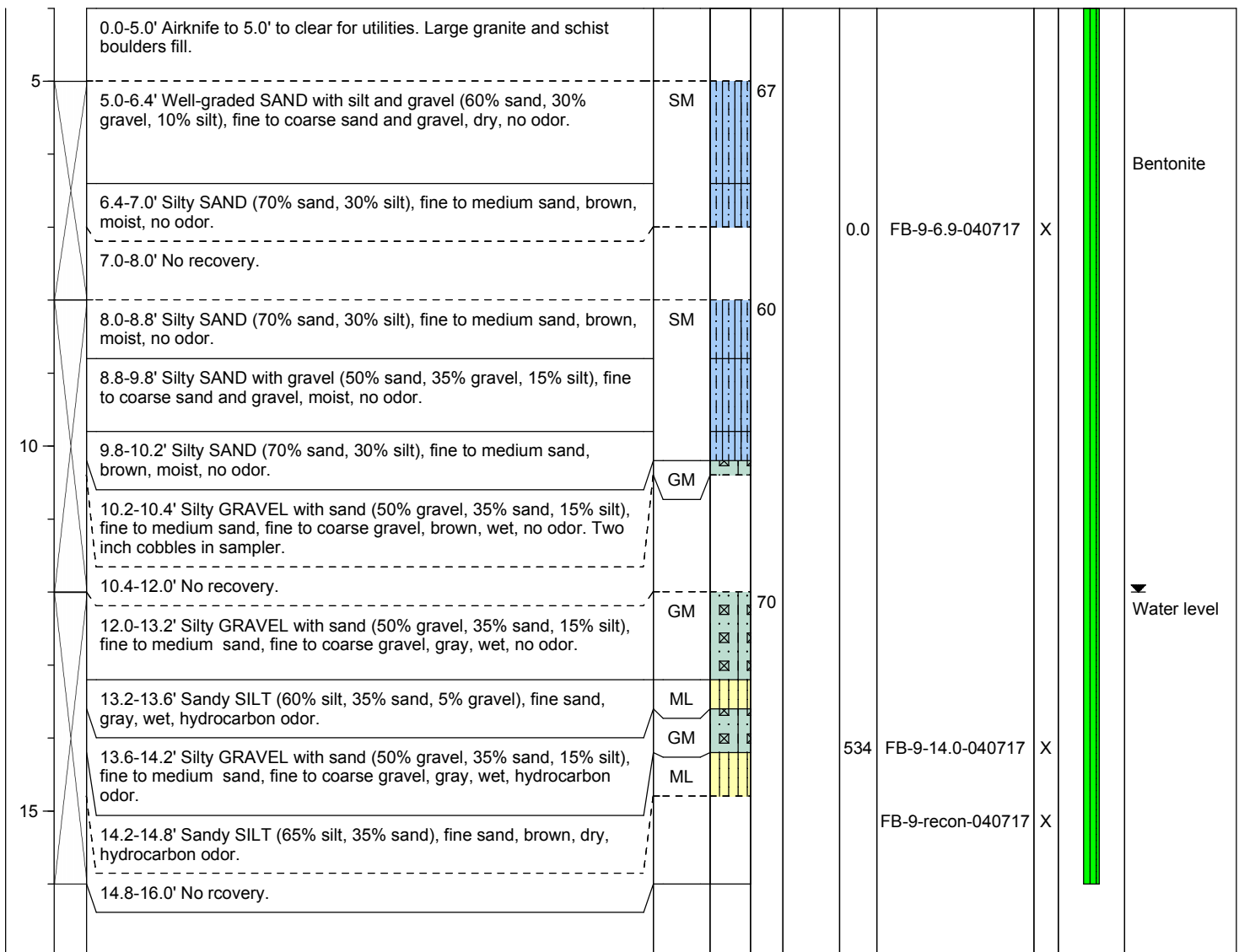


Well Construction Information

| | | |
|---------------------------------------|--------------------------------------|------------------------------------------|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771806.36 |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 153045.37 |

| | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/7/2017 1145 Date/Time Completed: 4/7/2017 1315 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): 12.0 Total Boring Depth (ft bgs): 16.0 Total Well Depth (ft bgs): NA |
| Farallon PN: 1001-002 | Drilling Foreman: Ron Sink Drilling Method: Direct push | Total Boring Depth (ft bgs): 16.0 Total Well Depth (ft bgs): NA |
| Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|-----------------------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771738.32 | |
| Screened Interval (ft bgs): 12.5-16.0 (Temp) | Boring Abandonment: Bentonite | Y: 153141.69 | |



Log of Boring: FB-10

| | | |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/7/2017 1320 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): 13.5 Total Boring Depth (ft bgs): 20.0 Total Well Depth (ft bgs): Temp. screen |
| | Farallon PN: 1001-002 Logged By: Daniel Aguilar | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|-------|--------------|------------|-------------------|-----------|---------------------|------------------|----------------------------------|
| 0 | 0.0-0.3' | Asphalt. | AC | | 72 | | | | | Asphalt |
| | 0.3-0.9' | Silty GRAVEL with sand (50% gravel, 35% sand, 15% silt), fine to coarse sand and gravel, brown, moist, no odor. | GM | | | | | | | |
| | 0.9-1.3' | Silty SAND with gravel (60% sand, 20% silt, 20% gravel), fine to medium sand, brown, moist, no odor. | SM | | | | | | | |
| | 1.3-1.9' | Sandy SILT (70% silt, 30% sand), fine to medium sand, brown, moist, no odor. | ML | | | | 0.8 | Soil screen at 1.5' | | |
| | 1.9-2.6' | Fractured rock fragments. | RK | | | | | | | |
| | 2.6-4.0' | No recovery | | | | | | | | |
| | 4.0-4.2' | Sandy SILT (70% silt, 30% sand), fine to medium sand, brown, moist, no odor. | ML | | 45 | | | | | |
| 5 | 4.2-5.8' | Well-graded GRAVEL with silt and sand (50% gravel, 40% sand, 10% silt), brown, moist, no odor. Crushed rock fragments | GW-GM | | | | | 0.0 | FB-10-5.7-040717 | |
| | 5.8-8.0' | No recovery. | | | | | | | | Bentonite |
| | 8.0-12.0' | No recovery. Rock in shoe | | | 0 | | | | | |
| 10 | 8.0-12.0' | No recovery. Rock in shoe | | | | | | | | |

Well Construction Information

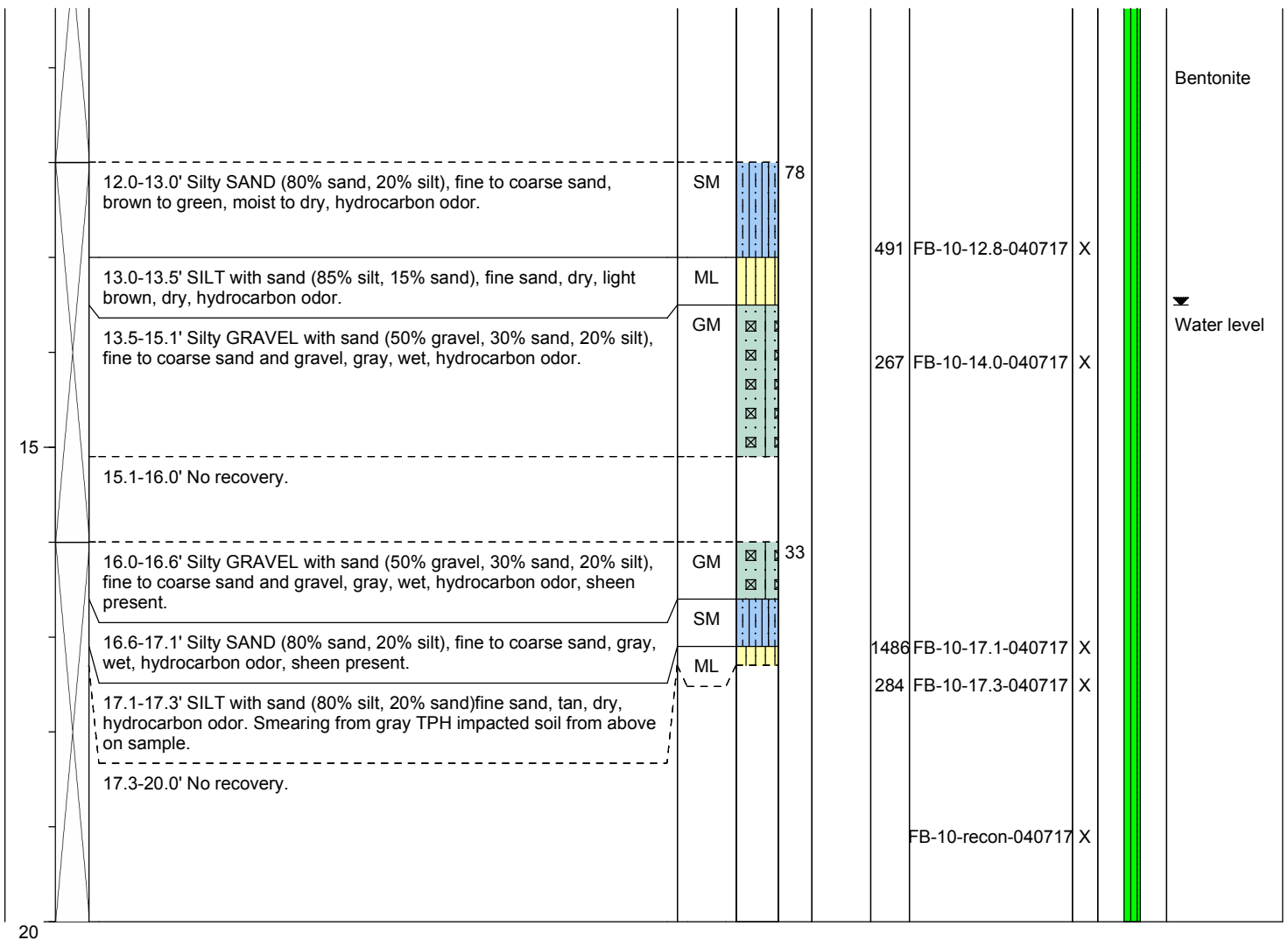
| | | |
|----------------------------------------------|--------------------------------------|------------------------------------------|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA |
| Casing Diameter (inches): NA | Surface Seal: Asphalt | Top of Casing Elevation (ft): NA |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771758.64 |
| Screened Interval (ft bgs): 16.5-20.0 | Boring Abandonment: Bentonite | Y: 152921.34 |



Log of Boring: FB-10

| | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/7/2017 1320 Date/Time Completed: 4/7/2017 1545 Equipment: Geoprobe 5400 Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Direct push | Sampler Type: 4' Macrocore Drive Hammer (lbs.): Auto Depth of Water ATD (ft bgs): 13.5 Total Boring Depth (ft bgs): 20.0 Total Well Depth (ft bgs): Temp. screen |
| Farallon PN: 1001-002 Logged By: Daniel Aguilar | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



20

Well Construction Information

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Monument Type: NA Casing Diameter (inches): NA Screen Slot Size (inches): NA Screened Interval (ft bgs): 16.5-20.0 | Filter Pack: NA Surface Seal: Asphalt Annular Seal: NA Boring Abandonment: Bentonite | Ground Surface Elevation (ft): NA Top of Casing Elevation (ft): NA Surveyed Location: X: 1771758.64 Y: 152921.34 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|



Log of Boring: FB-11

Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

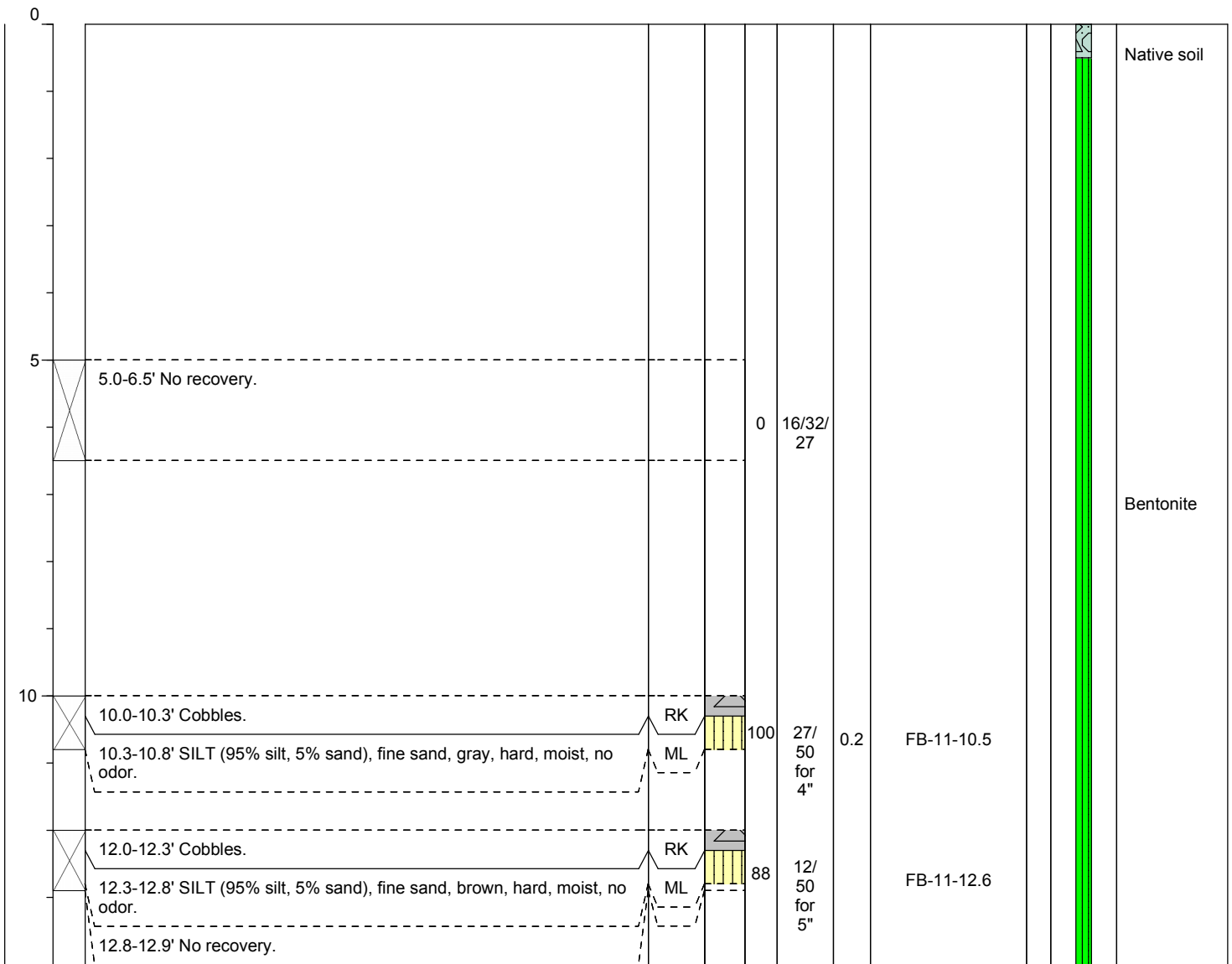
Date/Time Started: 04/13/17 @ 1339
Date/Time Completed: 04/13/17 @ 1615
Equipment: Schramm T300
Drilling Company: Environmental West
Drilling Foreman: Ron Sink
Drilling Method: Air rotary

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 25.2
Total Well Depth (ft bgs): NA

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|---------------------------------------|--------------------------------------|------------------------------------------|--|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): NA | Surface Seal: Soil | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771707.84 | |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 152934.70 | |



Log of Boring: FB-11

Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

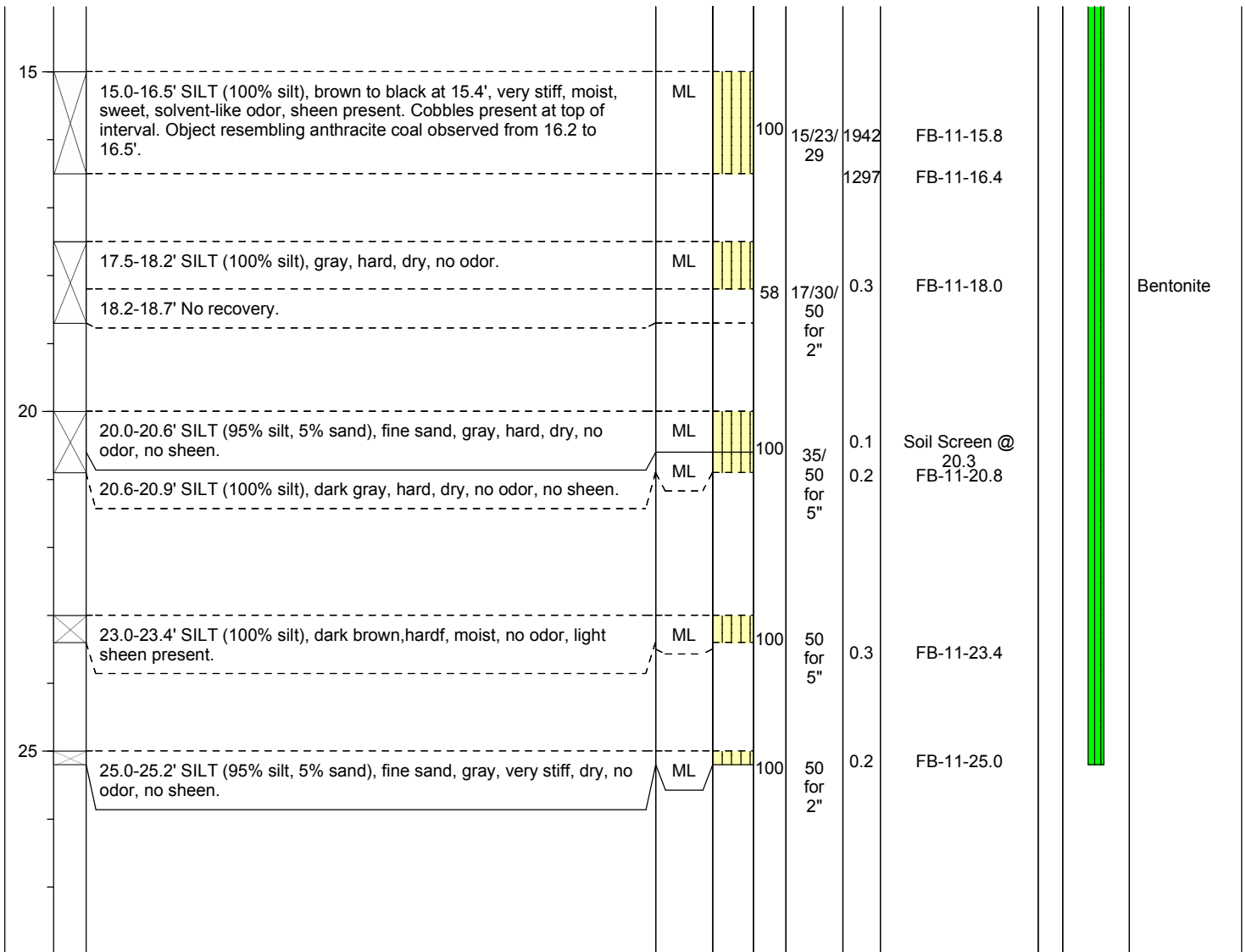
Date/Time Started: 04/13/17 @ 1339
Date/Time Completed: 04/13/17 @ 1615
Equipment: Schramm T300
Drilling Company: Environmental West
Drilling Foreman: Ron Sink
Drilling Method: Air rotary

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 25.2
Total Well Depth (ft bgs): NA

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

| | | |
|---------------------------------------|--------------------------------------|------------------------------------------|
| Monument Type: NA | Filter Pack: NA | Ground Surface Elevation (ft): NA |
| Casing Diameter (inches): NA | Surface Seal: Soil | Top of Casing Elevation (ft): NA |
| Screen Slot Size (inches): NA | Annular Seal: NA | Surveyed Location: X: 1771707.84 |
| Screened Interval (ft bgs): NA | Boring Abandonment: Bentonite | Y: 152934.70 |



Log of Boring: MW-6

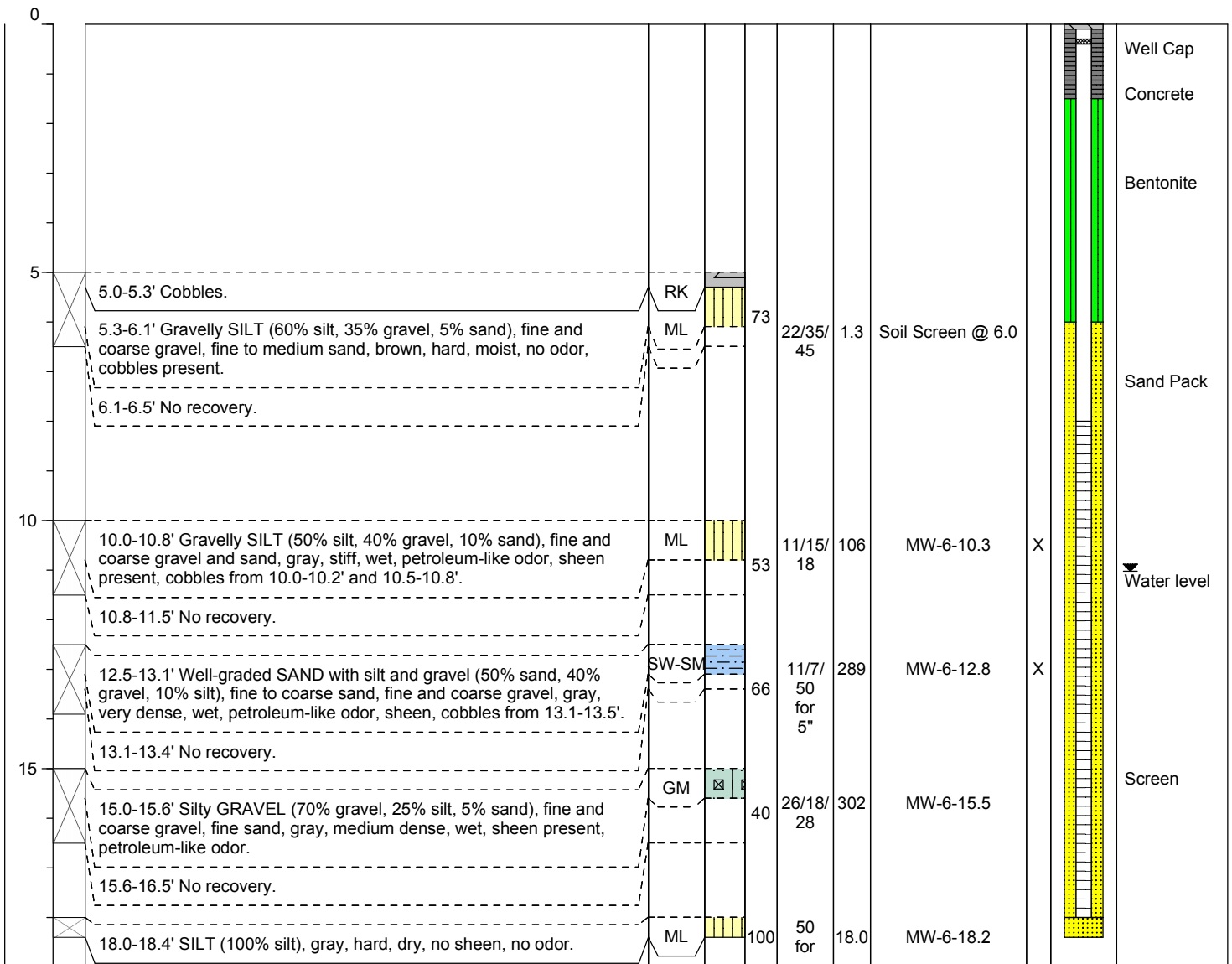
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/12/2017 @ 0937 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/12/2017 @ 1120 **Drive Hammer (lbs.):** 140
Equipment: Schramm T300 **Depth of Water ATD (ft bgs):** 11.02
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 18.4
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 18.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 8.0-18.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771804.41
 Y: 152837.75



Log of Boring: MW-7

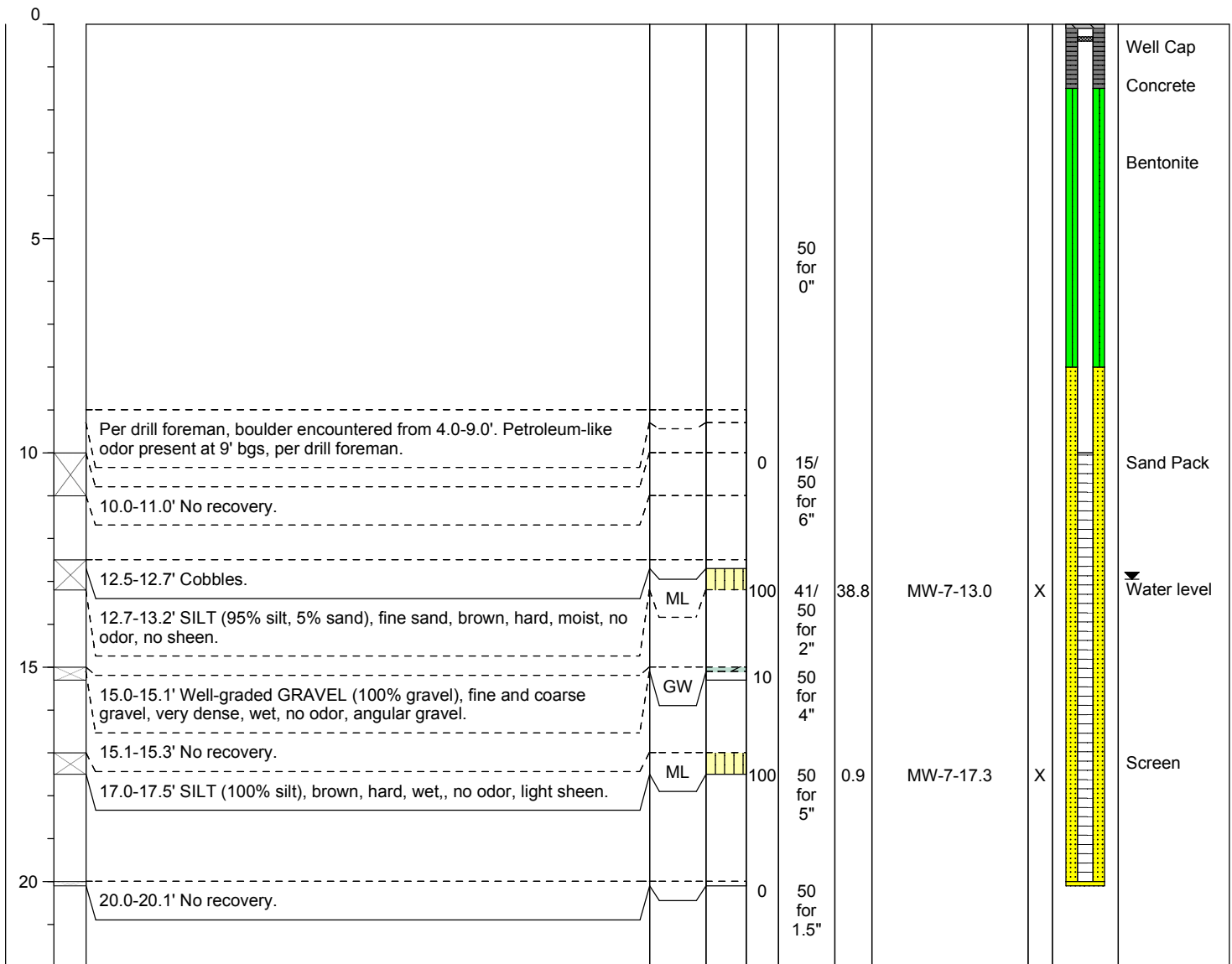
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/11/2017 @ 1500 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/11/2017 @ 1750 **Drive Hammer (lbs.):** 140
Equipment: Schramm T300 **Depth of Water ATD (ft bgs):** 12.95
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 20.1
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 20.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 10.0-20.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771844.03
 Y: 152853.45



Log of Boring: MW-8

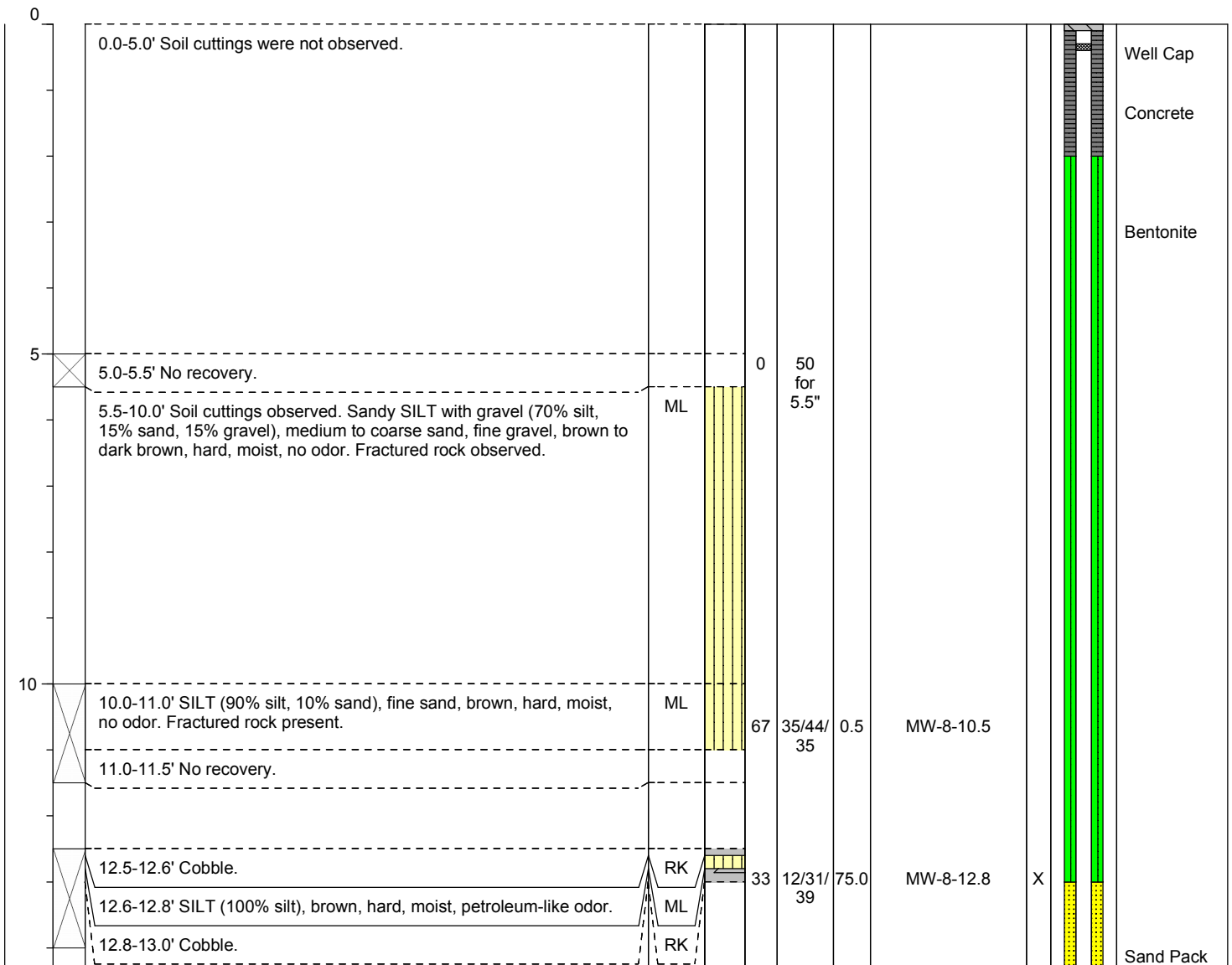
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/11/2017 @ 0845 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/11/2017 @ 1400 **Drive Hammer (lbs.):** 140
Equipment: Schramm T300 **Depth of Water ATD (ft bgs):** 16.5
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 25.2
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 25.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Ruark

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 15.0-25.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771788.28
Y: 152964.67



Log of Boring: MW-8

Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

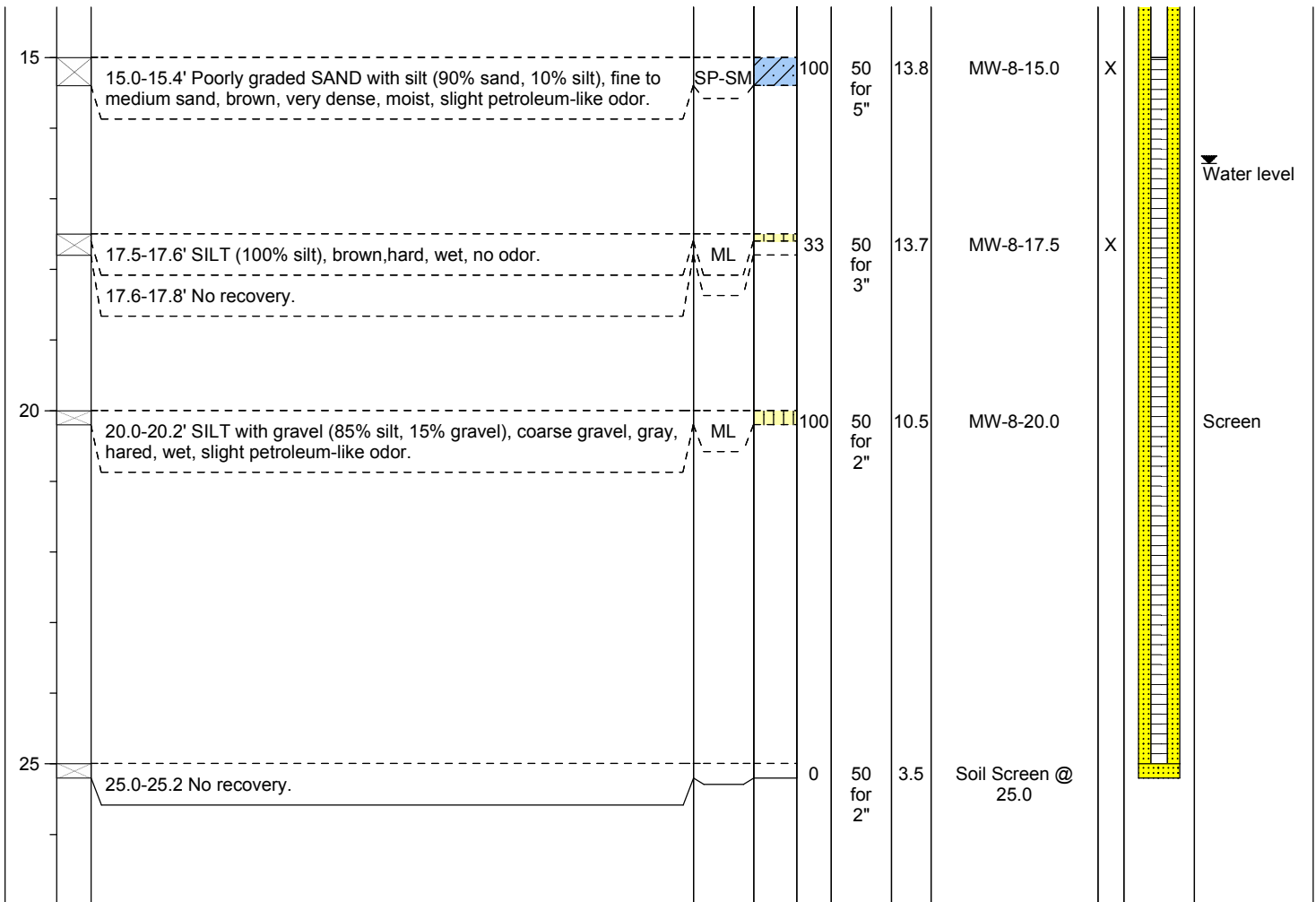
Farallon PN: 1001-002

Logged By: J. Ruark

Date/Time Started: 4/11/2017 @ 0845
Date/Time Completed: 4/11/2017 @ 1400
Equipment: Schramm T300
Drilling Company: Environmental West
Drilling Foreman: Ron Sink
Drilling Method: Air rotary

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 16.5
Total Boring Depth (ft bgs): 25.2
Total Well Depth (ft bgs): 25.0

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 15.0-25.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

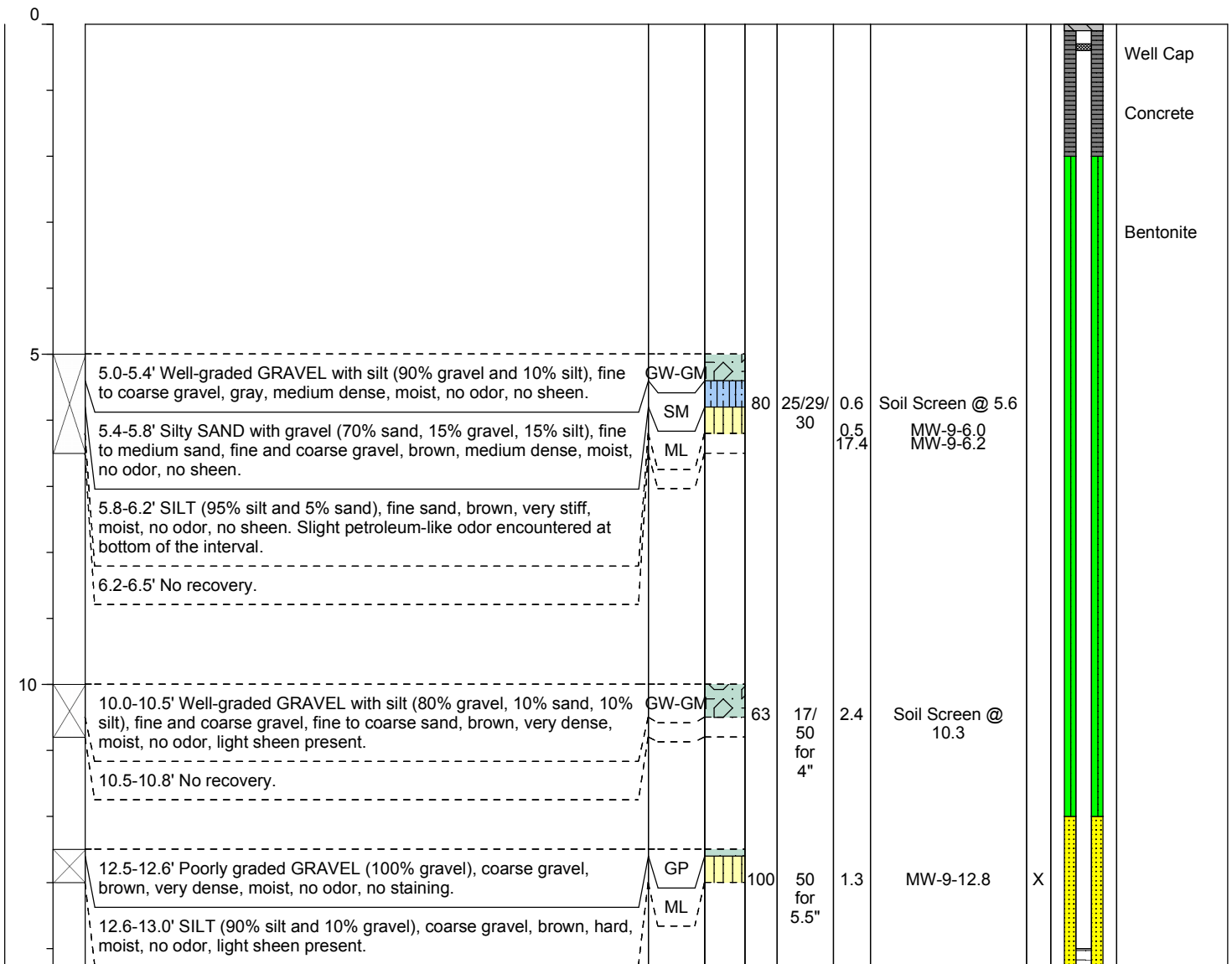
Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771788.28
 Y: 152964.67



Log of Boring: MW-9

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/12/2017 @ 1445 Date/Time Completed: 4/12/2017 @ 1650 Equipment: Schramm T300 Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Air rotary | Sampler Type: D&M SS 18"x2" Drive Hammer (lbs.): 140 Depth of Water ATD (ft bgs): 16.9 Total Boring Depth (ft bgs): 24.5 Total Well Depth (ft bgs): 24.0 |
| Farallon PN: 1001-002 Logged By: J. Kerr | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



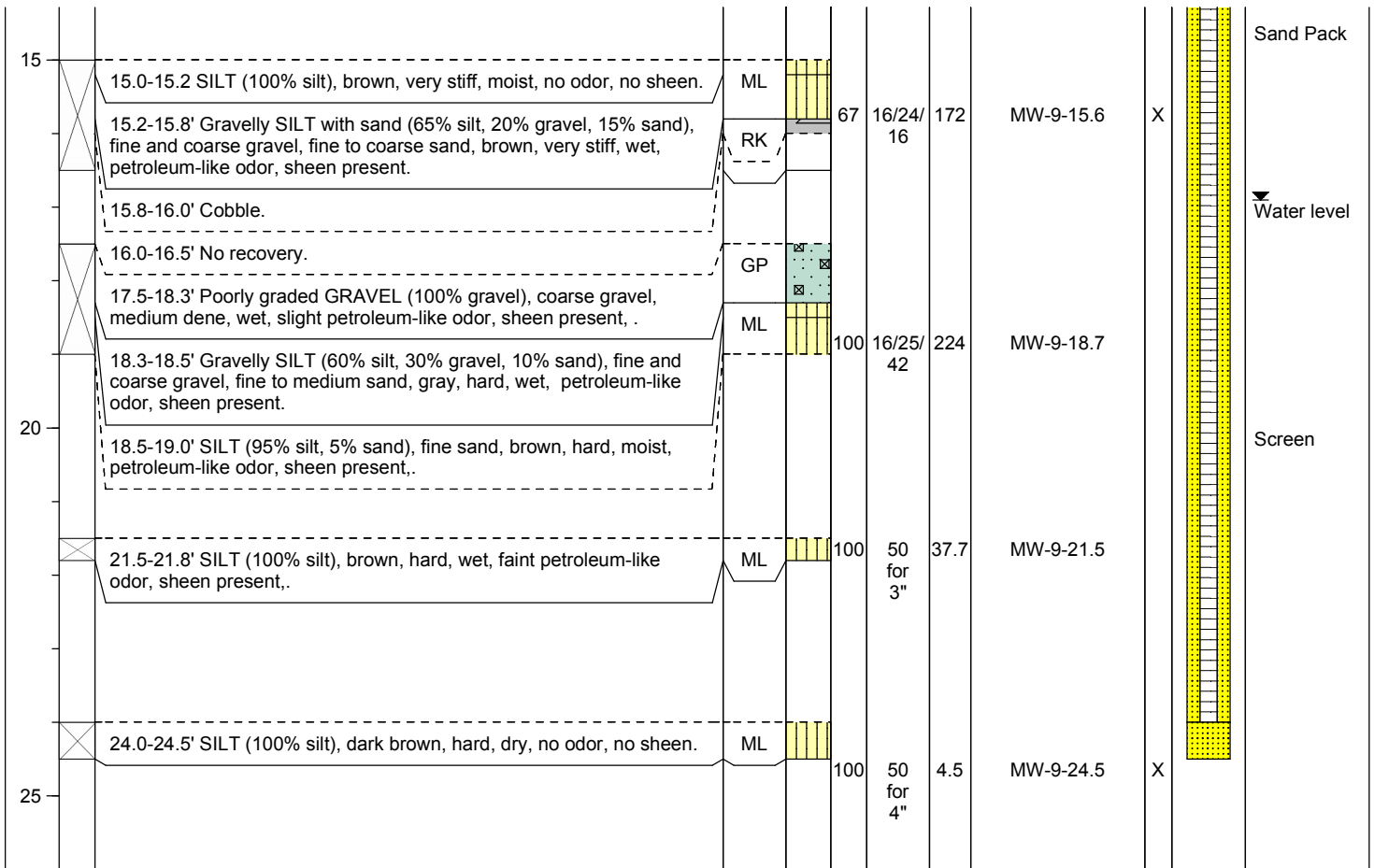
| Well Construction Information | | | |
|----------------------------------------------|--------------------------------|------------------------------------------|--|
| Monument Type: Flush | Filter Pack: 10/20 Sand | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): 4 | Surface Seal: Concrete | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): 0.020 | Annular Seal: Bentonite | Surveyed Location: X: 1771766.21 | |
| Screened Interval (ft bgs): 14.0-24.0 | Boring Abandonment: NA | Y: 153008.50 | |



Log of Boring: MW-9

| | | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/12/2017 @ 1445 Date/Time Completed: 4/12/2017 @ 1650 Equipment: Schramm T300 Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Air rotary | Sampler Type: D&M SS 18"x2" Drive Hammer (lbs.): 140 Depth of Water ATD (ft bgs): 16.9 Total Boring Depth (ft bgs): 24.5 Total Well Depth (ft bgs): 24.0 |
| Farallon PN: 1001-002 Logged By: J. Kerr | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



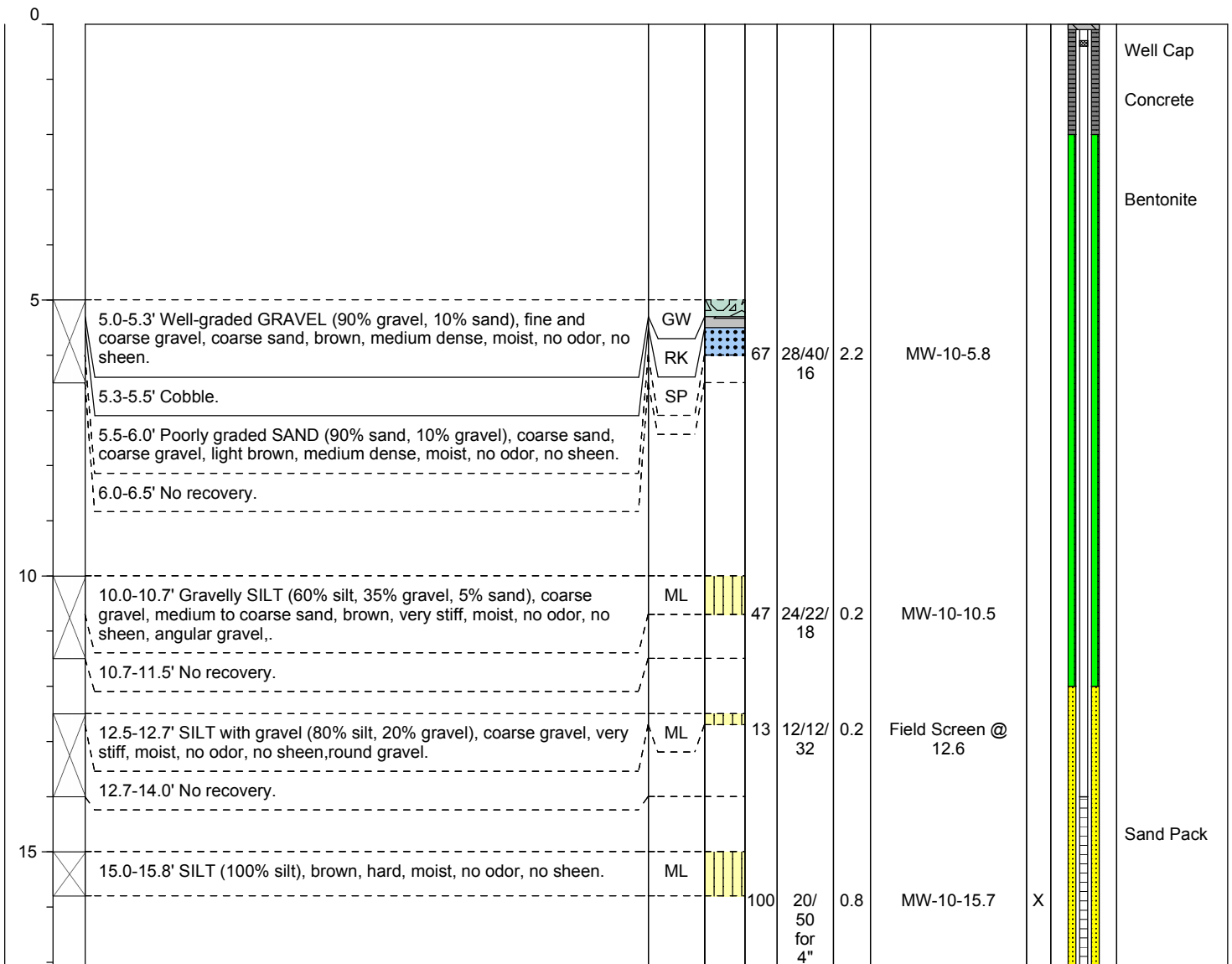
| Well Construction Information | | |
|----------------------------------------------|--------------------------------|------------------------------------------|
| Monument Type: Flush | Filter Pack: 10/20 Sand | Ground Surface Elevation (ft): NA |
| Casing Diameter (inches): 4 | Surface Seal: Concrete | Top of Casing Elevation (ft): NA |
| Screen Slot Size (inches): 0.020 | Annular Seal: Bentonite | Surveyed Location: X: 1771766.21 |
| Screened Interval (ft bgs): 14.0-24.0 | Boring Abandonment: NA | Y: 153008.50 |



Log of Boring: MW-10

| | | |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/14/2017 @ 0820 Date/Time Completed: 4/14/2017 @ 1230 Equipment: Lil Brutus Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Air rotary | Sampler Type: D&M SS 18"x2" Drive Hammer (lbs.): 140 Depth of Water ATD (ft bgs): 17.3 Total Boring Depth (ft bgs): 30.2 Total Well Depth (ft bgs): 30.0 |
| Farallon PN: 1001-002 Logged By: J. Kerr | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



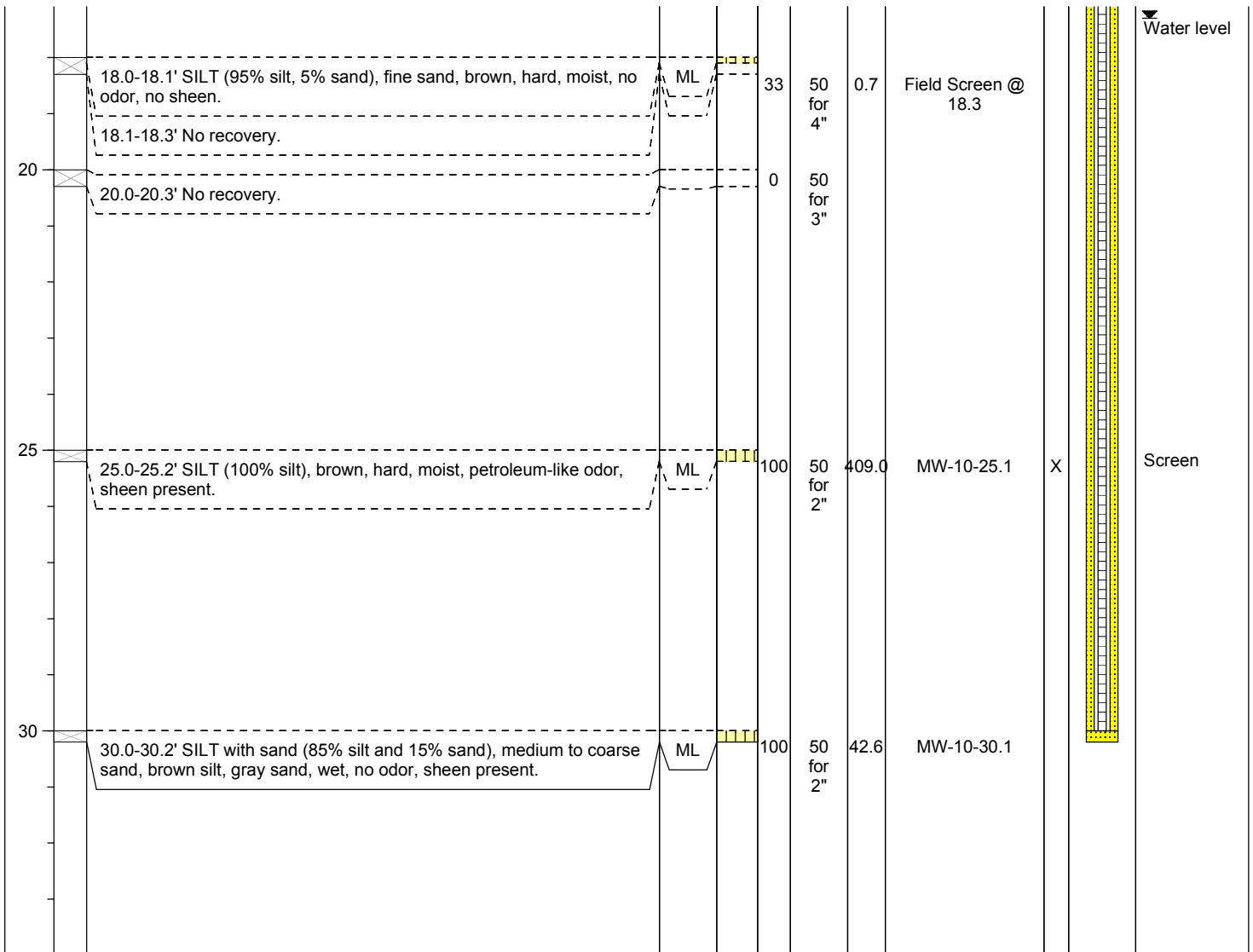
| Well Construction Information | | | |
|----------------------------------------------|--------------------------------|------------------------------------------|--|
| Monument Type: Flush | Filter Pack: 10/20 Sand | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): 2 | Surface Seal: Concrete | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): 0.020 | Annular Seal: Bentonite | Surveyed Location: X: 1771729.19 | |
| Screened Interval (ft bgs): 14.0-30.0 | Boring Abandonment: NA | Y: 153240.03 | |



Log of Boring: MW-10

| | | |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/14/2017 @ 0820 Date/Time Completed: 4/14/2017 @ 1230 Equipment: Lil Brutus Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Air rotary | Sampler Type: D&M SS 18"x2" Drive Hammer (lbs.): 140 Depth of Water ATD (ft bgs): 17.3 Total Boring Depth (ft bgs): 30.2 Total Well Depth (ft bgs): 30.0 |
| Farallon PN: 1001-002 Logged By: J. Kerr | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | |
|----------------------------------------------|--------------------------------|------------------------------------------|
| Monument Type: Flush | Filter Pack: 10/20 Sand | Ground Surface Elevation (ft): NA |
| Casing Diameter (inches): 2 | Surface Seal: Concrete | Top of Casing Elevation (ft): NA |
| Screen Slot Size (inches): 0.020 | Annular Seal: Bentonite | Surveyed Location: X: 1771729.19 |
| Screened Interval (ft bgs): 14.0-30.0 | Boring Abandonment: NA | Y: 153240.03 |



Log of Boring: MW-11

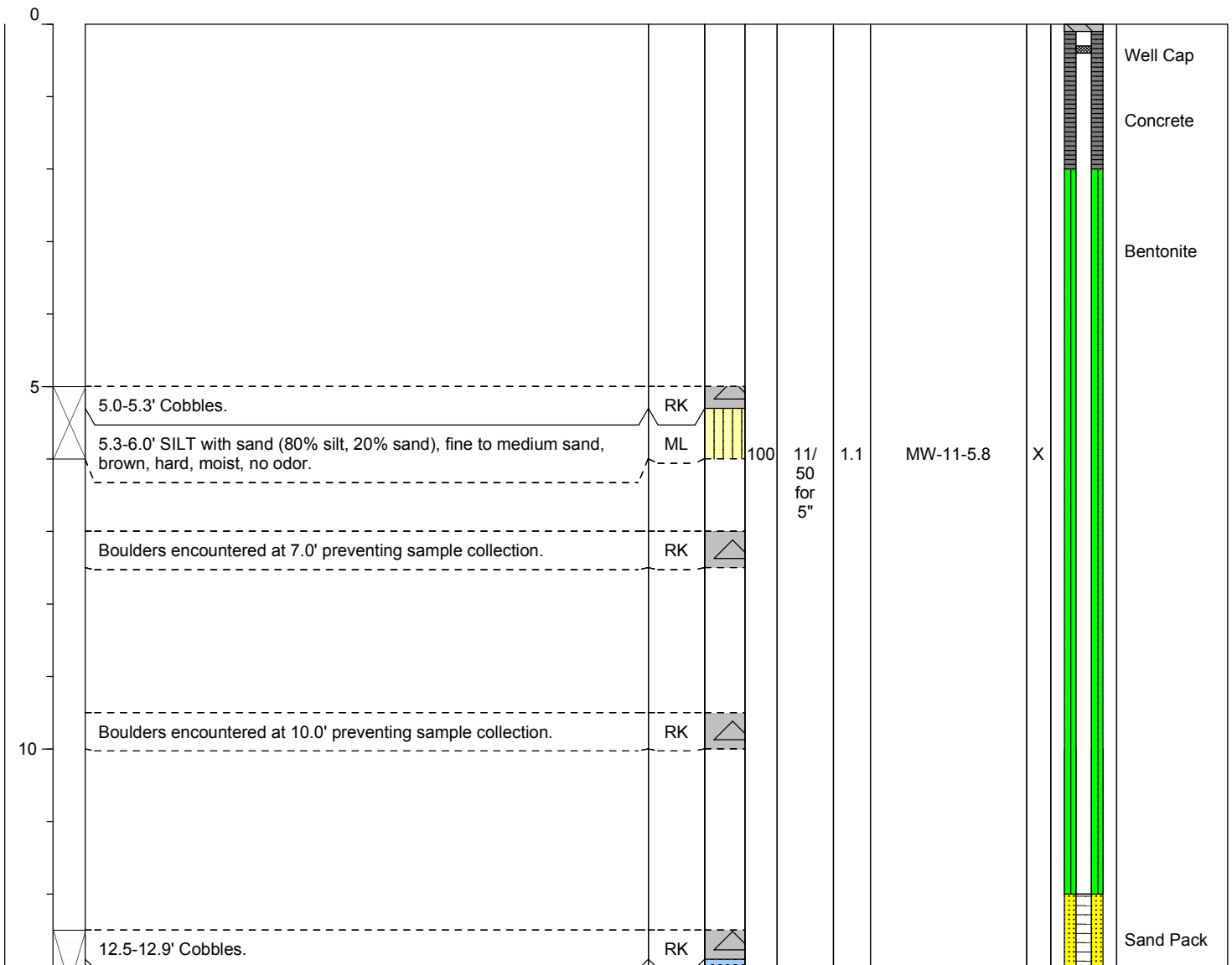
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/14/2017 @ 1410 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/14/2017 @ 173 **Drive Hammer (lbs.):** 140
Equipment: Schramm T300 **Depth of Water ATD (ft bgs):** 13.83
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 22.3
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 22.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 12.0-22.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771777.29
 Y: 152916.78

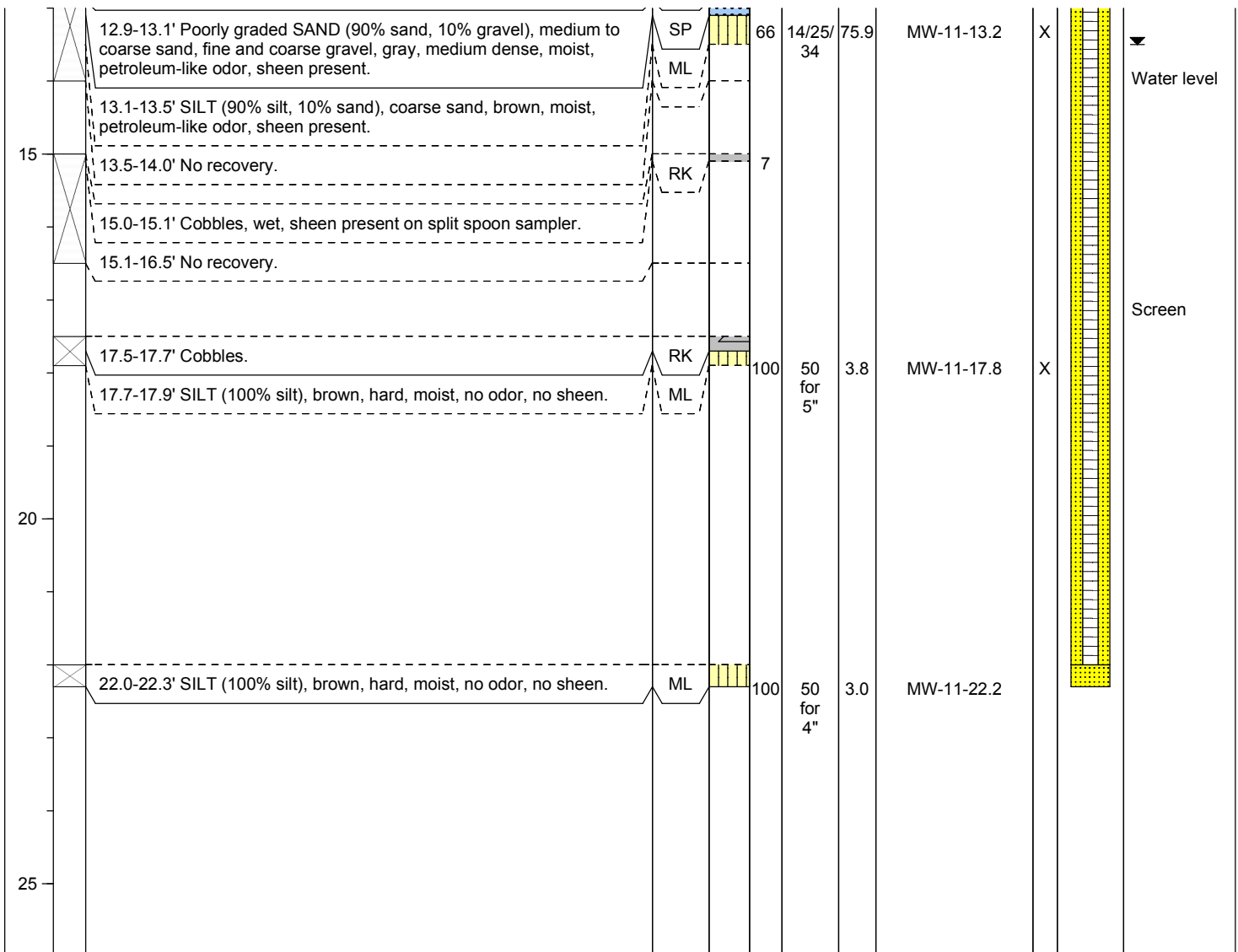
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/14/2017 @ 1410 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/14/2017 @ 173 **Drive Hammer (lbs.):** 140
Equipment: Schramm T300 **Depth of Water ATD (ft bgs):** 13.83
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 22.3
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 22.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Kerr

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 4
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 12.0-22.0

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

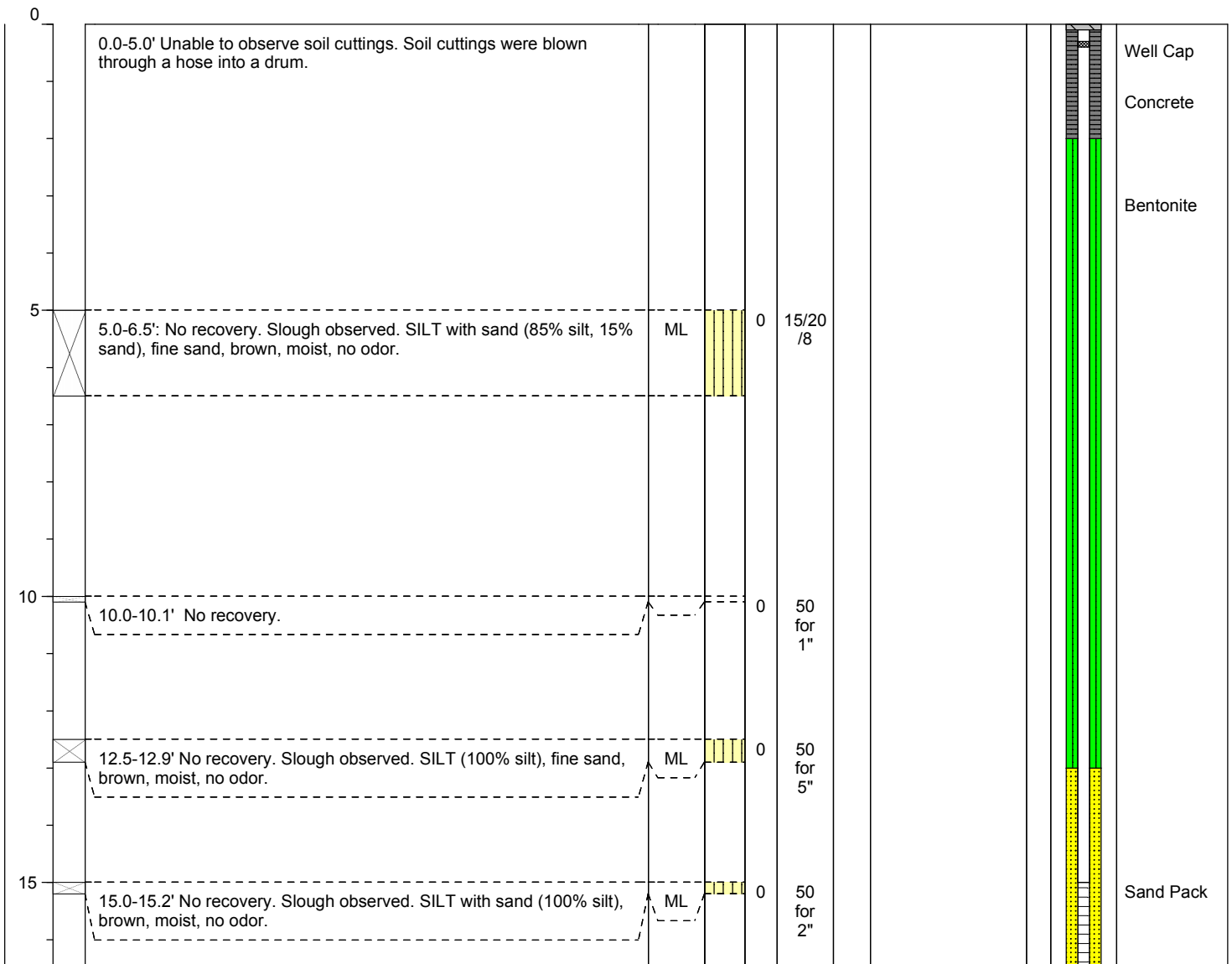
Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771777.29
 Y: 152916.78



Log of Boring: RW-1

| | | |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Coleman Oil Project: Coleman Oil Location: Wenatchee, WA | Date/Time Started: 4/10/2017 @ 1315 Date/Time Completed: 4/10/2017 @ 1830 Equipment: LBI Drilling Company: Environmental West Drilling Foreman: Ron Sink Drilling Method: Air rotary | Sampler Type: D&M SS 18"x2" Drive Hammer (lbs.): 140 Depth of Water ATD (ft bgs): 17.0 Total Boring Depth (ft bgs): 30.0 Total Well Depth (ft bgs): 30.0 |
| Farallon PN: 1001-002 Logged By: J. Ruark | | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|----------------------------------------------|--------------------------------|------------------------------------------|--|
| Monument Type: Flush | Filter Pack: 10/20 Sand | Ground Surface Elevation (ft): NA | |
| Casing Diameter (inches): 3 | Surface Seal: Concrete | Top of Casing Elevation (ft): NA | |
| Screen Slot Size (inches): 0.020 | Annular Seal: Bentonite | Surveyed Location: X: 1771768.75 | |
| Screened Interval (ft bgs): 15.0-30.0 | Boring Abandonment: NA | Y: 153148.41 | |

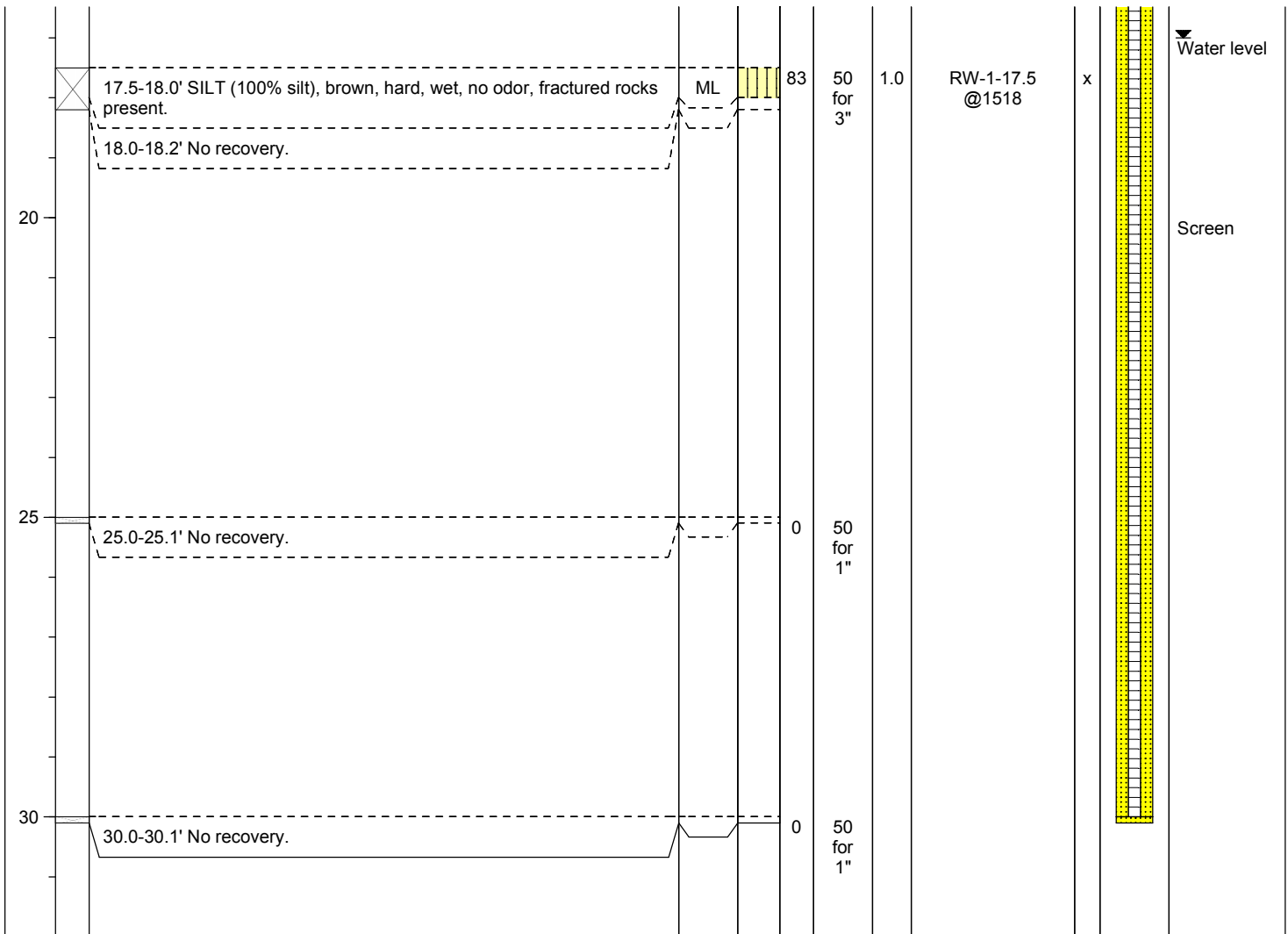
Client: Coleman Oil
Project: Coleman Oil
Location: Wenatchee, WA

Date/Time Started: 4/10/2017 @ 1315 **Sampler Type:** D&M SS 18"x2"
Date/Time Completed: 4/10/2017 @ 1830 **Drive Hammer (lbs.):** 140
Equipment: LBI **Depth of Water ATD (ft bgs):** 17.0
Drilling Company: Environmental West **Total Boring Depth (ft bgs):** 30.0
Drilling Foreman: Ron Sink **Total Well Depth (ft bgs):** 30.0
Drilling Method: Air rotary

Farallon PN: 1001-002

Logged By: J. Ruark

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USCS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Monument Type: Flush
Casing Diameter (inches): 3
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 15.0-30.0

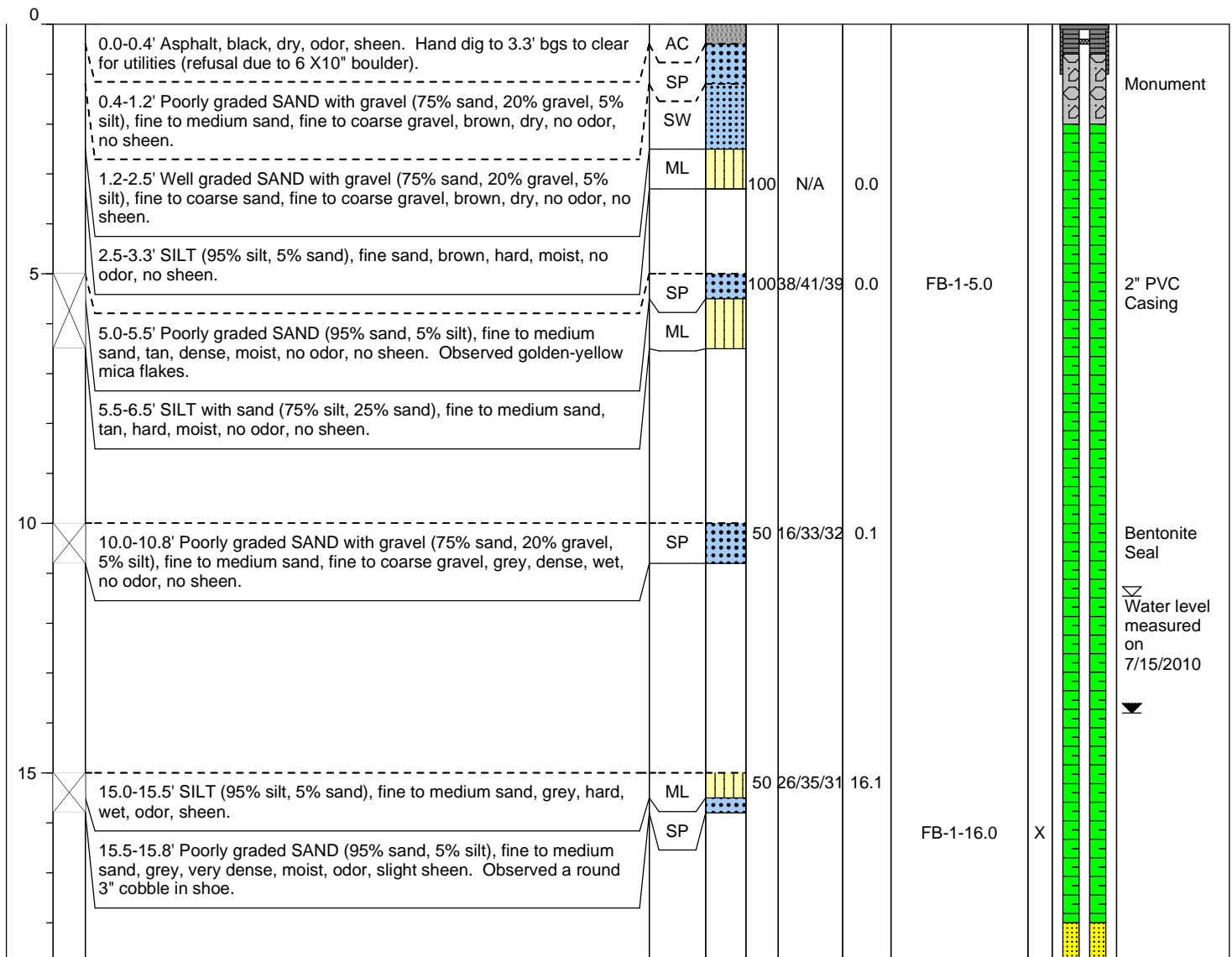
Well Construction Information

Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

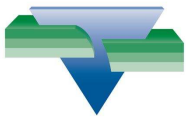
Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: 1771768.75
 Y: 153148.41

| | | |
|--------------------------------|-------------------------------------------------|------------------------------------------|
| Client: Coleman Oil | Date/Time Started: 7/7/2010 1015 | Sampler Type: Split Spoon 18-inch |
| Project: Coleman Oil | Date/Time Completed: 7/7/2010 1235 | Drive Hammer (lbs.): 140 |
| Location: Wenatchee, WA | Equipment: Schramm T-300 | Depth of Water ATD (ft bgs): 24.0 |
| Farallon PN: 1001-001 | Drilling Company: Enviro. W. Expl., Inc. | Total Boring Depth (ft bgs): 35.5 |
| Logged By: K. Scott | Drilling Foreman: Tim Smith | Total Well Depth (ft bgs): 35.0 |
| | Drilling Method: Air-Rotary | |

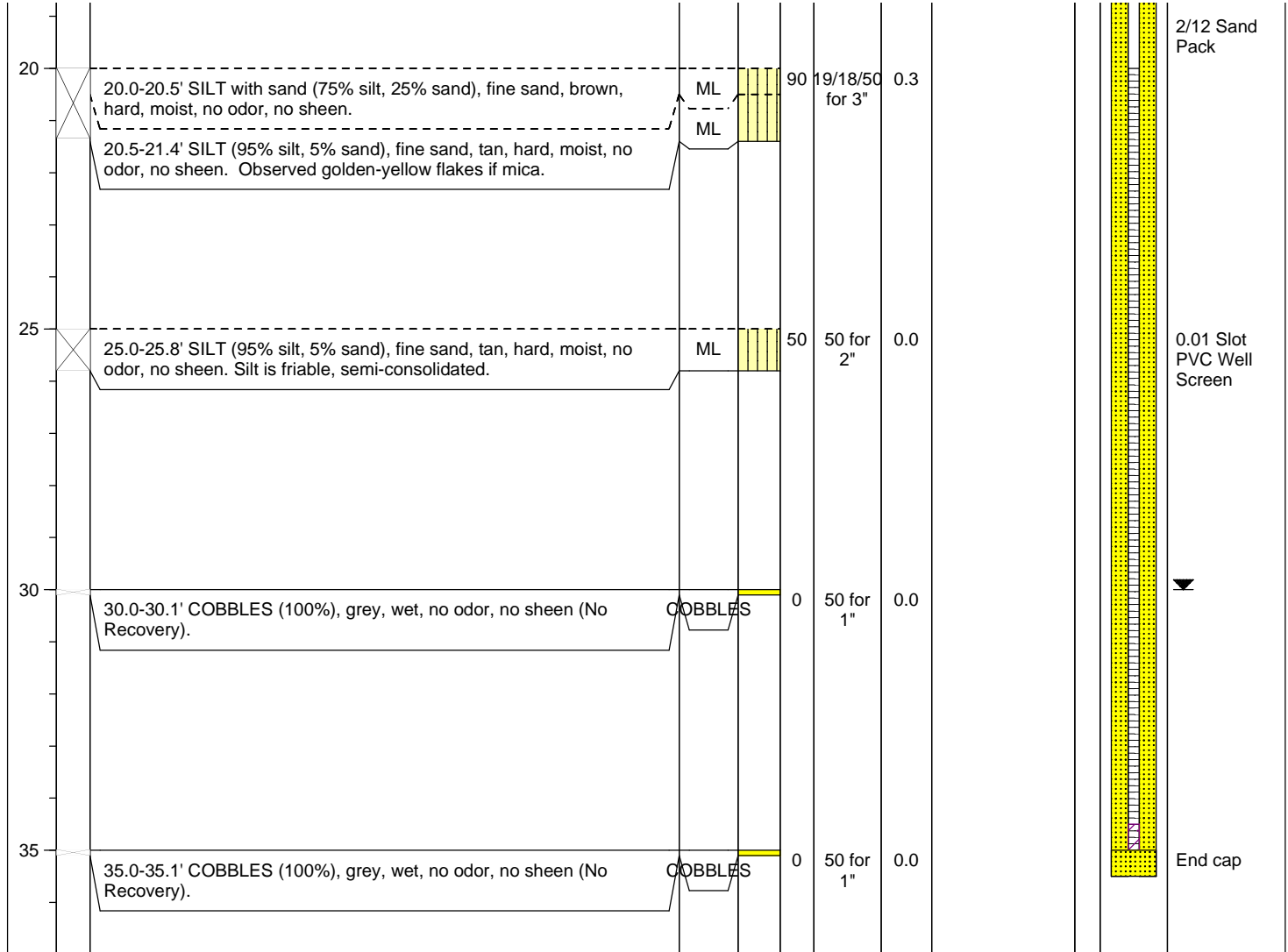
| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|-------------------------------------------|--------------------------------------------------|----------------------------------------------|--|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 658.46 | |
| Casing Diameter (inches): 2.0 | Surface Seal: Grout | Top of Casing Elevation (ft): 658.01 | |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA | |
| Screened Interval (ft bgs): 15-30' | Surveyed Location: X: 9807.04 Y: 10355.76 | | |



| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|

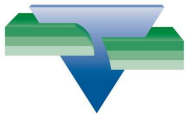


| Well Construction Information | | |
|-------------------------------------------|--------------------------------------|----------------------------------------------|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 658.46 |
| Casing Diameter (inches): 2.0 | Surface Seal: Grout | Top of Casing Elevation (ft): 658.01 |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA |
| Screened Interval (ft bgs): 15-30' | Surveyed Location: X: 9807.04 | Y: 10355.76 |

| | | |
|--------------------------------|-------------------------------------------------|----------------------------------------------------|
| Client: Coleman Oil | Date/Time Started: 7/7/2010 1530 | Sampler Type: Split Spoon 18-inch |
| Project: Coleman Oil | Date/Time Completed: 7/8/2010 0920 | Drive Hammer (lbs.): 140 |
| Location: Wenatchee, WA | Equipment: Schramm T-300 | Depth of Water ATD (ft bgs): 11.47' 2nd day |
| Farallon PN: 1001-001 | Drilling Company: Enviro. W. Expl., Inc. | Total Boring Depth (ft bgs): 40.0 |
| Logged By: K. Scott | Drilling Foreman: Tim Smith | Total Well Depth (ft bgs): 40.0 |
| | Drilling Method: Air-Rotary | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|-----------------------------------|
| 0 | | 0.0-0.6' Well graded GRAVEL with sand (65% gravel, 35% sand), fine to coarse gravel, fine to medium sand, brown, dry, no odor, no sheen. Hand dig to 3.5' bgs to clear for utilities (refusal due to 16 X18" boulder). | GW | COBBLES | | | | | | Monument |
| 0.6 | 0.6-1.5' | BOULDER (100%), grey, dry, no odor, no sheen. Observed a 16 X18" subrounded boulder. | SW | COBBLES | 100 | N/A | 0.0 | | | |
| 1.5 | 1.5-2.5' | Well graded SAND with gravel (75% sand, 20% gravel, 5% silt), fine to coarse sand, fine to coarse gravel, brown, dry, no odor, no sheen. | SM | COBBLES | | | | | | |
| 2.5 | 2.5-3.5' | Silty SAND (75% sand, 20% silt, 5% gravel), fine to medium sand, fine to coarse gravel, yellowish-brown, moist, no odor, no sheen. | SM | | 5 | 50 for 4" | 0.0 | | | 2" PVC Casing |
| 3.5 | 3.5-4.2' | BOULDER (100%), grey, dry, no odor, no sheen. Observed a subrounded boulder. | | | | | | | | Bentonite Seal |
| 5.0 | 5.0-5.3' | Silty SAND (75% sand, 25% silt), fine to medium sand, brown, very-dense, dry, no odor, no sheen. Observed 5 to 10 rounded 3" cobbles in sampler. | | | 0 | 50 for 3" | N/A | | | |
| 10.0 | 10.0-10.3' | COBBLES (100%), grey, dry, no odor, no sheen. Driller stated drilling through cobbles (No recovery). | | COBBLES | | | | | | Water level measured on 7/15/2010 |
| 15.0 | 15.0-15.4' | Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine to medium sand, fine gravel, tan, very-dense, moist, no odor, no sheen. Observed gold mica flakes. | SP | | 10 | 50 for 4" | 0.0 | FB-2-15.0 | X | |
| 20.0 | 20.0-20.3' | COBBLES (100%), grey, dry, no odor, no sheen. Observed golden-yellow mica flakes in 2' diameter cobble fragments. (No recovery). | | COBBLES | 2 | 50 for 3" | 0.0 | | | |

| Well Construction Information | | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|--|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 658.06 | |
| Casing Diameter (inches): 2.0 | Surface Seal: Grout | Top of Casing Elevation (ft): 657.76 | |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA | |
| Screened Interval (ft bgs): 25-40 | Surveyed Location: X: 9869.01 Y: 10332.32 | | |



| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|

| | | | | | | | | | | |
|----|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|---|-----------|-----|--|--|---------------------------|
| 25 | 25.0-25.2' | COBBLES (100%), grey, moist, no odor, no sheen. Observed golden-yellow mica flakes in 2" diameter cobble fragments. (No recovery). | COBBLES | | 2 | 50 for 2" | 0.0 | | | 2/12 Sand Pack |
| 30 | 30.0-30.2' | COBBLES (100%), grey, wet, no odor, no sheen. Observed golden-yellow mica flakes in 2" diameter cobble fragments. (No recovery). | COBBLES | | 0 | 50 for 2" | N/A | | | 0.01 Slot PVC Well Screen |
| 35 | 35.0-35.2' | COBBLES (100%), grey, wet, no odor, no sheen. (No recovery). | COBBLES | | 0 | 50 for 2" | 0.0 | | | |
| 40 | 40.0-40.1' | COBBLES (90% rock, 5% silt, 5% sand), fine sand, dark-grey, wet, no odor, no sheen. Observed golden-yellow mica flakes in 2" diameter cobble fragments. (No Recovery). Note: Observed no measurable water on 1st day drilling (The driller used Air-Rotary compressor to blow water from casing when auger stuck). Let well MW-2 recharge overnight and monitored water at 11.47' bgs using water level indicator on 2nd day. | COBBLES | | 2 | 50 for 1" | 0.2 | | | End cap |
| 45 | | | | | | | | | | |

| Well Construction Information | | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|--|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 658.06 | |
| Casing Diameter (inches): 2.0 | Surface Seal: Grout | Top of Casing Elevation (ft): 657.76 | |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA | |
| Screened Interval (ft bgs): 25-40 | Surveyed Location: X: 9869.01 Y: 10332.32 | | |

Client: Coleman Oil
Project: Coleman Oil Facility
Location: Wenatchee, WA

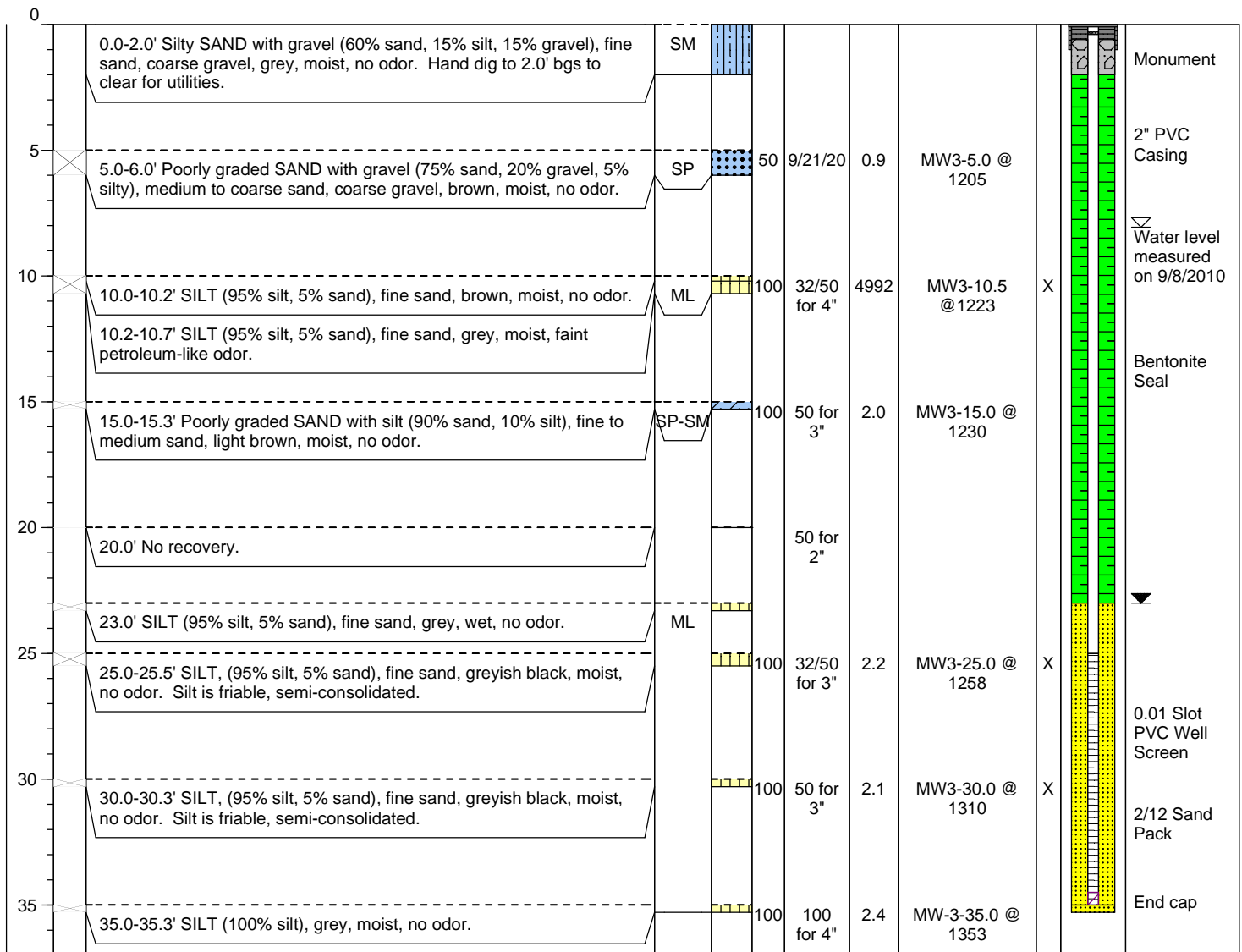
Farallon PN: 1001-001

Logged By: J. Ruark

Date/Time Started: 9/7/10 1145
Date/Time Completed: 9/7/10 1430
Equipment: Schramm T-300
Drilling Company: Enviro. W. Expl., Inc.
Drilling Foreman: Tim Smith
Drilling Method: Air Rotary

Sampler Type: Split Spoon 18-inch
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 16.5
Total Boring Depth (ft bgs): 35.3
Total Well Depth (ft bgs): 35.0

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|--|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 658.60 | |
| Casing Diameter (inches): 2.0 | Surface Seal: Grout | Top of Casing Elevation (ft): 658.26 | |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA | |
| Screened Interval (ft bgs): 25-35 | Surveyed Location: X: 9764.97 Y: 10262.14 | | |

| | | |
|--------------------------------------|-------------------------------------------------|------------------------------------------|
| Client: Coleman Oil | Date/Time Started: 9/8/10 0730 | Sampler Type: Split Spoon 18-inch |
| Project: Coleman Oil Facility | Date/Time Completed: 9/8/10 1215 | Drive Hammer (lbs.): 140 |
| Location: Wenatchee, WA | Equipment: Schramm T-300 | Depth of Water ATD (ft bgs): N/A |
| Farallon PN: 1001-001 | Drilling Company: Enviro. W. Expl., Inc. | Total Boring Depth (ft bgs): 40.1 |
| Logged By: J. Ruark | Drilling Foreman: Tim Smith | Total Well Depth (ft bgs): 37 |
| | Drilling Method: Air Rotary | |

| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------|-------------------|-----------|-----------------|-----------------|-----------------------------------|
| 0.0-0.3' | | Asphalt. Hand dig to 3.0' bgs to clear for utilities. | AC | | | | | | | Monument |
| 5.0-5.2' | | Poorly graded GRAVEL (100% gravel), coarse gravel, grey, moist, no odor. | GP | | 75 | 33/50 for 4" | 6.7 | MW4-5.0 @ 0747 | | 2" PVC Casing |
| 5.2-5.6' | | Well graded SAND with gravel (80% sand, 15% gravel, 5% silt), fine to coarse sand, fine gravel, brown, moist, no odor. | SW | | | | | | | |
| 10.0-11.2' | | Poorly graded SAND with gravel (75% sand, 20% gravel, 5% silt), medium to coarse sand, coarse gravel, brown, moist, no odor. | SP | | 80 | 18/23/28 | 15.7 | MW4-10.0 @ 0756 | | Bentonite Seal |
| 11.2-11.3' | | SILT (100% silt), grey, moist, no odor. | ML | | | | | | | |
| 15.0-15.1' | | SILT (100% silt), grey, wet, no odor. | ML | | 50 | 50 for 3" | 44.3 | MW4-15.0 @ 0806 | X | Water level measured on 9/29/2010 |
| 20.0-20.1' | | Poorly graded SAND (95% sand, 5% silt), fine sand, grey, moist, no odor. | SP | | 50 | 50 for 3" | 16.7 | MW4-20.0 @ 0819 | X | |
| 25.0-25.1' | | SILT (95% silt, 5% sand), fine sand, grey, moist, no odor. | ML | | <5 | 50 for 1" | 7.6 | MW4-25.0 @ 0832 | | |
| 30.0' | | No recovery. | | | | 50 for 1" | | | | 0.01 Slot PVC Well Screen |
| 35.0-35.4' | | SILT (100% silt), grey, moist, no odor. | ML | | 100 | 50 for 5" | 17.2 | MW4-35.0 @ 0905 | X | 2/12 Sand Pack |
| 40.0-40.1' | | Silty SAND (70% sand, 30% silt), fine sand, grey, moist, no odor. | SM | | 50 | 50 for 3" | 7.9 | MW4-40.0 @ 1112 | | End cap |

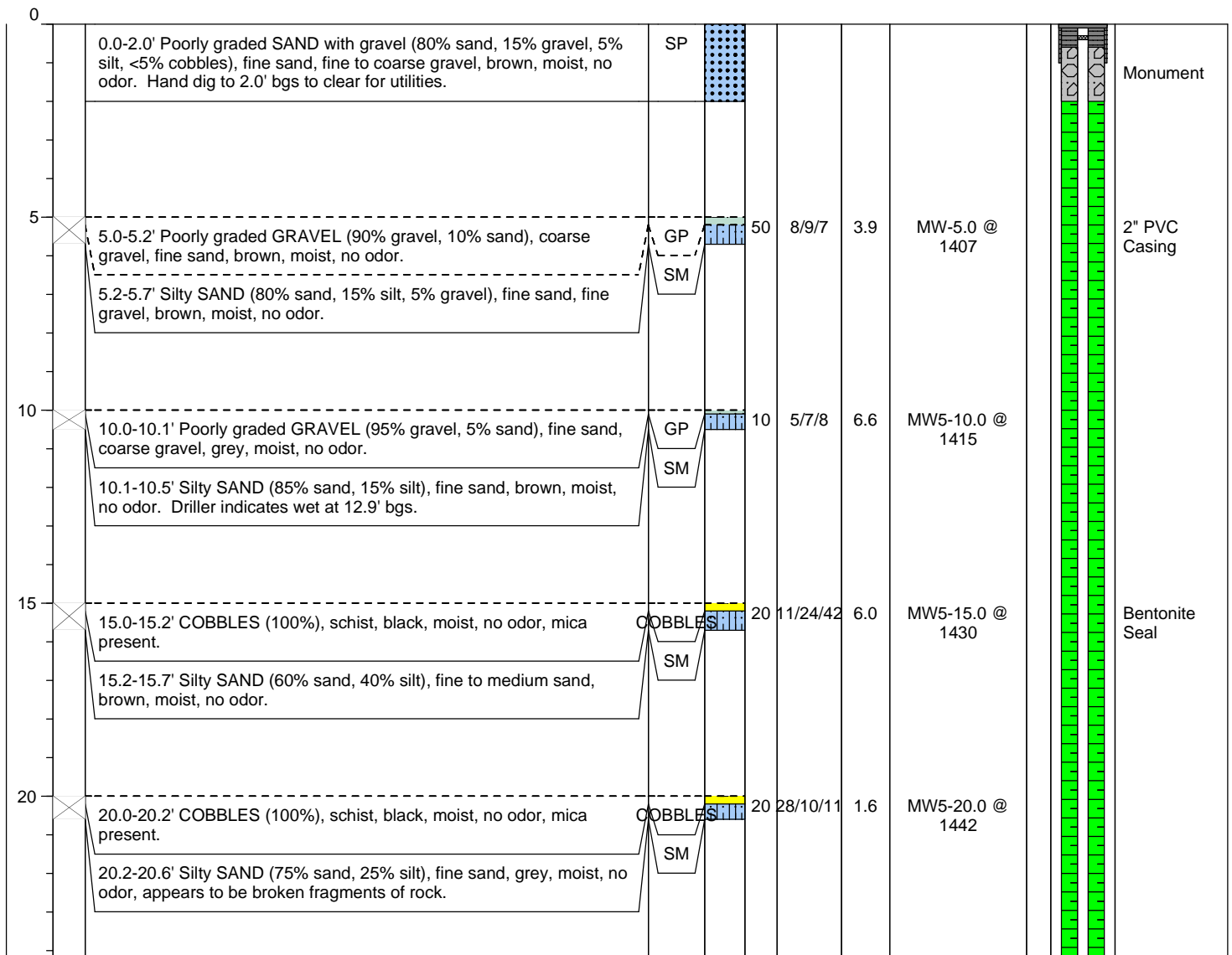
| Well Construction Information | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 657.87 |
| Casing Diameter (inches): 2 | Surface Seal: Grout | Top of Casing Elevation (ft): 657.48 |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA |
| Screened Interval (ft bgs): 27-37 | Surveyed Location: X: 9896.58 Y: 10329.52 | |

Client: Coleman Oil
Project: Coleman Oil Facility
Location: Wenatchee, WA
Farallon PN: 1001-001
Logged By: J. Ruark

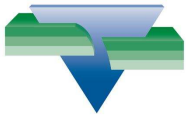
Date/Time Started: 9/8/10 1330
Date/Time Completed: 9/9/10 1100
Equipment: Strata S-5
Drilling Company: Enviro. W. Expl., Inc
Drilling Foreman: Tim Smith
Drilling Method: Air Rotary

Sampler Type: Split Spoon 18-inch
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 43.0
Total Boring Depth (ft bgs): 45.4
Total Well Depth (ft bgs): 45.0

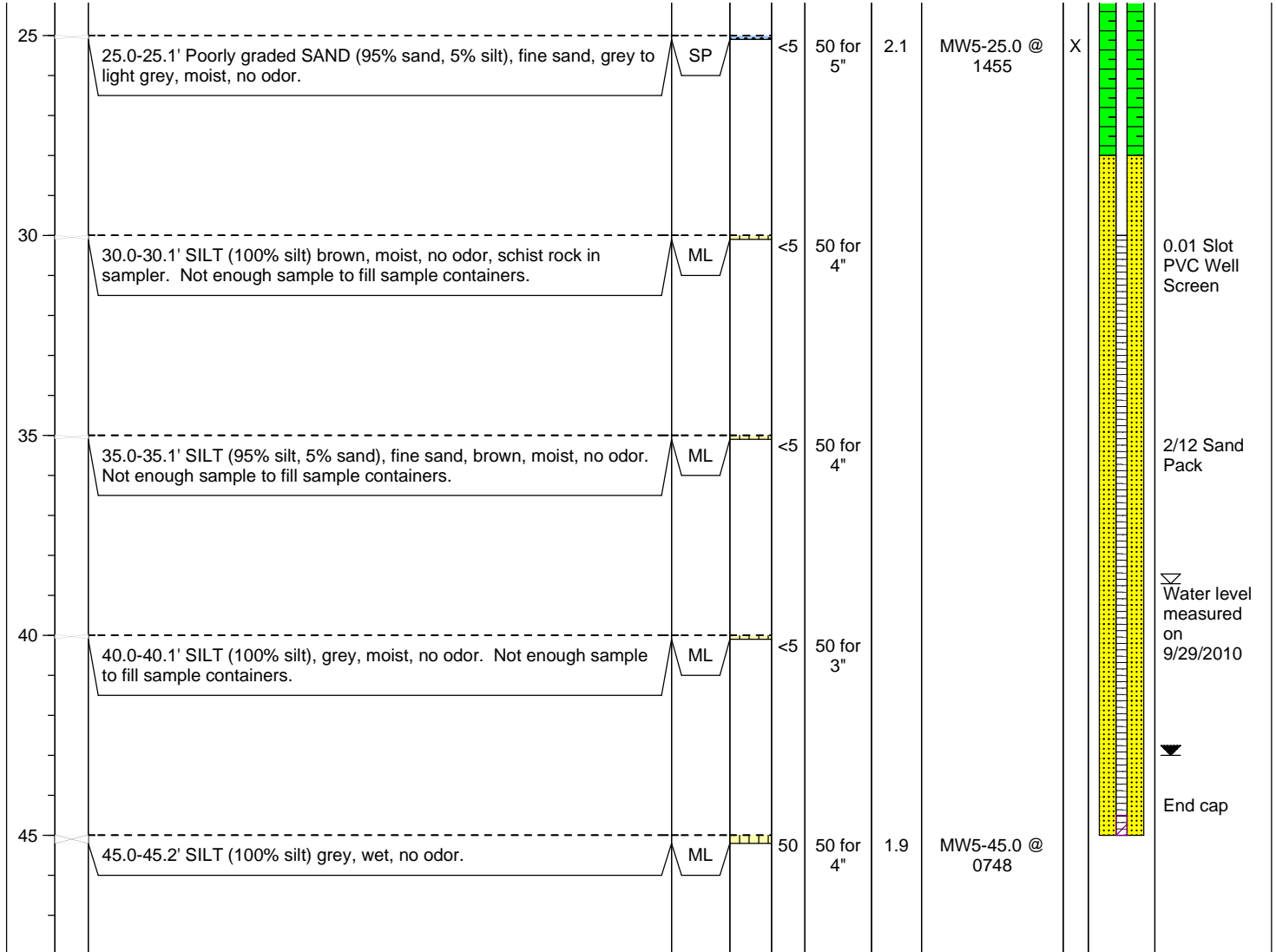
| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Boring/Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 656.35 |
| Casing Diameter (inches): 2 | Surface Seal: Grout | Top of Casing Elevation (ft): 656.00 |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA |
| Screened Interval (ft bgs): 30-45 | Surveyed Location: X: 9899.55 Y: 10391.34 | |



| Depth (feet bgs.) | Sample Interval | Lithologic Description | USCS | USGS Graphic | % Recovery | Blow Counts 8/8/8 | PID (ppm) | Sample ID | Sample Analyzed | Well Construction Details |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|---------------------------|



| Well Construction Information | | | |
|------------------------------------------|--------------------------------------------------|----------------------------------------------|--|
| Monument Type: Flush Mount | Filter Pack: 2/12 Sand | Ground Surface Elevation (ft): 656.35 | |
| Casing Diameter (inches): 2 | Surface Seal: Grout | Top of Casing Elevation (ft): 656.00 | |
| Screen Slot Size (inches): 0.01 | Annular Seal: Bentonite | Boring Abandonment: NA | |
| Screened Interval (ft bgs): 30-45 | Surveyed Location: X: 9899.55 Y: 10391.34 | | |

**APPENDIX B
LABORATORY ANALYTICAL REPORTS**

SUPPLEMENTAL DATA SUMMARY REPORT

Coleman Oil
3 Chehalis Street
Wenatchee, Washington

Farallon PN: 1001-002



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 6, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-037

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 5, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-037
Project: 1001-002

Case Narrative

Samples were collected on April 3, 2017 and received by the laboratory on April 5, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: April 6, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-037
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | CMTB-3.0 | | | | | |
| Laboratory ID: | 04-037-01 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-5-17 | 4-6-17 | |
| Toluene | ND | 0.075 | EPA 8021B | 4-5-17 | 4-6-17 | |
| Ethyl Benzene | ND | 0.075 | EPA 8021B | 4-5-17 | 4-6-17 | |
| m,p-Xylene | ND | 0.075 | EPA 8021B | 4-5-17 | 4-6-17 | |
| o-Xylene | ND | 0.075 | EPA 8021B | 4-5-17 | 4-6-17 | |
| Gasoline | ND | 7.5 | NWTPH-Gx | 4-5-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>79</i> | <i>63-124</i> | | | | |



Date of Report: April 6, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-037
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0405S1 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-5-17 | 4-5-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-5-17 | 4-5-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-5-17 | 4-5-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-5-17 | 4-5-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-5-17 | 4-5-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 84 | 63-124 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 03-308-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | 30 | |
| Toluene | ND | ND | NA | NA | NA | NA | 30 | |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | 30 | |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | 30 | |
| o-Xylene | ND | ND | NA | NA | NA | NA | 30 | |
| Gasoline | ND | ND | NA | NA | NA | NA | 30 | |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 84 | 84 | 63-124 | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|----------|-------|------|------|----|-----|--------|---|----|
| Laboratory ID: | SB0405S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 0.857 | 0.876 | 1.00 | 1.00 | 86 | 88 | 70-124 | 2 | 12 |
| Toluene | 0.882 | 0.898 | 1.00 | 1.00 | 88 | 90 | 73-119 | 2 | 12 |
| Ethyl Benzene | 0.900 | 0.915 | 1.00 | 1.00 | 90 | 92 | 74-117 | 2 | 12 |
| m,p-Xylene | 0.897 | 0.914 | 1.00 | 1.00 | 90 | 91 | 75-117 | 2 | 13 |
| o-Xylene | 0.899 | 0.915 | 1.00 | 1.00 | 90 | 92 | 75-116 | 2 | 12 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | 83 | 87 | 63-124 | | |



Date of Report: April 6, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-037
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | CMTB-3.0 | | | | | |
| Laboratory ID: | 04-037-01 | | | | | |
| Diesel Range Organics | 370 | 31 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil | 150 | 63 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 127 | 50-150 | | | | |
| Client ID: | Dry Well-S-4.0 | | | | | |
| Laboratory ID: | 04-037-02 | | | | | |
| Diesel Range Organics | 580 | 28 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | Dry Well-E-4.0 | | | | | |
| Laboratory ID: | 04-037-03 | | | | | |
| Diesel Range Organics | 2000 | 30 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil | 540 | 60 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 100 | 50-150 | | | | |
| Client ID: | Dry Well-W-4.0 | | | | | |
| Laboratory ID: | 04-037-04 | | | | | |
| Diesel Range Organics | 1800 | 32 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil | 300 | 64 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 97 | 50-150 | | | | |
| Client ID: | Dry Well-N-4.0 | | | | | |
| Laboratory ID: | 04-037-05 | | | | | |
| Diesel Range Organics | 4400 | 280 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| Lube Oil | 1800 | 560 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | Dry Well-B-5.0 | | | | | |
| Laboratory ID: | 04-037-06 | | | | | |
| Diesel Range Organics | 2400 | 260 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| Lube Oil | 2000 | 510 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 6, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-037
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|---------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | Fuel Line-Ex-E-2.0 | | | | | |
| Laboratory ID: | 04-037-07 | | | | | |
| Diesel Range Organics | 58000 | 3000 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 6000 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | Fuel Line-Ex-E-3.0 | | | | | |
| Laboratory ID: | 04-037-08 | | | | | |
| Diesel Range Organics | 3400 | 32 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil Range Organics | ND | 230 | NWTPH-Dx | 4-5-17 | 4-5-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 126 | 50-150 | | | | |
| Client ID: | Fuel Line-Ex-N-3.0 | | | | | |
| Laboratory ID: | 04-037-09 | | | | | |
| Diesel Range Organics | 3400 | 28 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil Range Organics | ND | 280 | NWTPH-Dx | 4-5-17 | 4-5-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 119 | 50-150 | | | | |
| Client ID: | Fuel Line-Ex-B-6.0 | | | | | |
| Laboratory ID: | 04-037-10 | | | | | |
| Diesel Range Organics | 14000 | 300 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 3300 | NWTPH-Dx | 4-5-17 | 4-6-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | Vac Truck | | | | | |
| Laboratory ID: | 04-037-11 | | | | | |
| Diesel Range Organics | 5300 | 1500 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| Lube Oil | 11000 | 3000 | NWTPH-Dx | 4-5-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 6, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-037
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0405S3 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-5-17 | 4-5-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 122 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-037-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 295 | 275 | NA | NA | NA | NA | 7 | NA |
| Lube Oil | 119 | 130 | NA | NA | NA | NA | 9 | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 127 | 104 | 50-150 | | |
| Laboratory ID: | 04-037-07 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 49000 | 46200 | NA | NA | NA | NA | 6 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | S,S | |



Date of Report: April 6, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-037
Project: 1001-002

% MOISTURE

Date Analyzed: 4-5-17

| Client ID | Lab ID | % Moisture |
|--------------------|-----------|------------|
| CMTB-3.0 | 04-037-01 | 20 |
| Dry Well-S-4.0 | 04-037-02 | 9 |
| Dry Well-E-4.0 | 04-037-03 | 17 |
| Dry Well-W-4.0 | 04-037-04 | 21 |
| Dry Well-N-4.0 | 04-037-05 | 11 |
| Dry Well-B-4.0 | 04-037-06 | 2 |
| Fuel Line-Ex-E-2.0 | 04-037-07 | 16 |
| Fuel Line-Ex-E-3.0 | 04-037-08 | 21 |
| Fuel Line-Ex-N-3.0 | 04-037-09 | 11 |
| Fuel Line-Ex-B-6.0 | 04-037-10 | 18 |
| Vac Truck | 04-037-11 | 16 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Graham
 Sampled by: J. Ruark

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-037

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-GX/BTEX | NWTPH-Gx | NWTPH-Dx (☐ Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|---------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|
| 1 | CMTB-3.0 | 4/3/17 | 1405 | S | 4 | | X | | X | | | | | | | | | | | | | | | |
| 2 | Dry Well-S-4.0 | | 1540 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 3 | Dry Well-E-4.0 | | 1542 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 4 | Dry Well-W-4.0 | | 1545 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 5 | Dry Well-N-4.0 | | 1551 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 6 | Dry Well-B-5.0 | | 1600 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 7 | Fuel Line-EX-E-2.0 | | 1620 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 8 | Fuel Line EX-E-3.0 | | 1621 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 9 | Fuel Line-EX-N-3.0 | | 1622 | S | 1 | | | | X | | | | | | | | | | | | | | | |
| 10 | Fuel Line-EX-B-6.0 | | 1632 | S | 1 | | | | X | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-----------|----------|--------|------|-------------------------------------------------------------------|
| | Farallon | 4/4/17 | 0720 | Will call or email with analysis JR JR 4/3/17 |
| | COBE | 4/5/17 | 1100 | |
| | | | | |
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Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)

Chain of Custody

| Company: <u>Farallon</u> Project Number: <u>1001-002</u> Project Name: <u>Coleman Oil</u> Project Manager: <u>Paul Grabow</u> Sampled by: <u>J. Ruank</u> | | Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days) <input type="checkbox"/> _____ (other) | | | Laboratory Number: 04-037 | | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------|----------------------------------|----------------------------------------------------------------------|-----------------|-----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|---------------------------------------------|-------------|----------------------------|------------|--|
| | | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx | Volatiles 8260C | Halogenated Volatiles 8260C | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals/ MTCA Metals (circle one) | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
| Lab ID | Sample Identification | | Date Sampled | Time Sampled | Matrix | 1 | | | | | | | | | | | | | |
| 11 | Vac Truck | 4/3/17 | 1645 | S | | | | | | | | | | | | | X | | |
| | | JA | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| Signature | | Company | | Date | Time | Comments/Special Instructions | | | | | | | | | | | | | |
| <u>[Signature]</u> | | <u>Farallon</u> | | <u>4/4/17</u> | <u>0720</u> | * Will call or email for analysis. JA 4/3/17 <u>JA</u> | | | | | | | | | | | | | |
| <u>[Signature]</u> | | <u>COB</u> | | <u>4/5/17</u> | <u>1100</u> | | | | | | | | | | | | | | |
| <u>[Signature]</u> | | | | | | | | | | | | | | | | | | | |
| <u>[Signature]</u> | | | | | | | | | | | | | | | | | | | |
| <u>[Signature]</u> | | | | | | | | | | | | | | | | | | | |
| Reviewed/Date | | Reviewed/Date | | Chromatograms with final report <u>X</u> | | | | | | | | | | | | | | | |



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 11, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-056

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 5, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-056
Project: 1001-002

Case Narrative

Samples were collected on April 4, 2017 and received by the laboratory on April 5, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | NS-Trench-1-5.0 | | | | | |
| Laboratory ID: | 04-056-01 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 81 | 50-150 | | | | |
| Client ID: | NS-Trench-2-10.0 | | | | | |
| Laboratory ID: | 04-056-02 | | | | | |
| Diesel Range Organics | 49 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 76 | 50-150 | | | | |
| Client ID: | NS-Trench-3-10.0 | | | | | |
| Laboratory ID: | 04-056-03 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | NS-Trench-4-5.0 | | | | | |
| Laboratory ID: | 04-056-04 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil | 61 | 56 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 98 | 50-150 | | | | |
| Client ID: | NS-Trench-5-10.0 | | | | | |
| Laboratory ID: | 04-056-05 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 113 | 50-150 | | | | |
| Client ID: | NS-Trench-6-10.0 | | | | | |
| Laboratory ID: | 04-056-06 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 100 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | NS-Trench-7-10.0 | | | | | |
| Laboratory ID: | 04-056-07 | | | | | |
| Diesel Range Organics | 6400 | 270 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 550 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | NS-Trench-8-5.0 | | | | | |
| Laboratory ID: | 04-056-08 | | | | | |
| Diesel Range Organics | 94 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | N |
| Lube Oil | 600 | 56 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 91 | 50-150 | | | | |
| Client ID: | NS-Trench-9-10.0 | | | | | |
| Laboratory ID: | 04-056-09 | | | | | |
| Diesel Range Organics | 5600 | 300 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| Lube Oil Range Organics | ND | 600 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | EW-Trench-1-5.0 | | | | | |
| Laboratory ID: | 04-056-10 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 106 | 50-150 | | | | |
| Client ID: | EW-Trench-10.0 | | | | | |
| Laboratory ID: | 04-056-11 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 105 | 50-150 | | | | |
| Client ID: | STP-1-1 | | | | | |
| Laboratory ID: | 04-056-12 | | | | | |
| Diesel Range Organics | 9500 | 300 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 590 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-1-2 | | | | | |
| Laboratory ID: | 04-056-13 | | | | | |
| Diesel Range Organics | 32000 | 280 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 1100 | NWTPH-Dx | 4-6-17 | 4-7-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | STP-1-3 | | | | | |
| Laboratory ID: | 04-056-14 | | | | | |
| Diesel Range Organics | 19000 | 270 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 760 | NWTPH-Dx | 4-6-17 | 4-7-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | STP-2-1 | | | | | |
| Laboratory ID: | 04-056-15 | | | | | |
| Diesel Range Organics | 9600 | 690 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| Lube Oil | 14000 | 1400 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | STP-2-2 | | | | | |
| Laboratory ID: | 04-056-16 | | | | | |
| Diesel Range Organics | 3400 | 350 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil | 2600 | 690 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | STP-2-3 | | | | | |
| Laboratory ID: | 04-056-17 | | | | | |
| Diesel Range Organics | 2400 | 28 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil | 840 | 57 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 107 | 50-150 | | | | |
| Client ID: | STP-2-4 | | | | | |
| Laboratory ID: | 04-056-18 | | | | | |
| Diesel Range Organics | 770 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 460 | 56 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 100 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-3-1 | | | | | |
| Laboratory ID: | 04-056-20 | | | | | |
| Diesel Range Organics | 57 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 320 | 57 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 101 | 50-150 | | | | |
| Client ID: | STP-3-2 | | | | | |
| Laboratory ID: | 04-056-21 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil | 63 | 55 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 97 | 50-150 | | | | |
| Client ID: | STP-3-3 | | | | | |
| Laboratory ID: | 04-056-22 | | | | | |
| Diesel Range Organics | ND | 29 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 65 | 58 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |
| Client ID: | STP-4-1 | | | | | |
| Laboratory ID: | 04-056-25 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 93 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | STP-4-2 | | | | | |
| Laboratory ID: | 04-056-26 | | | | | |
| Diesel Range Organics | ND | 30 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 130 | 59 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 101 | 50-150 | | | | |
| Client ID: | STP-4-3 | | | | | |
| Laboratory ID: | 04-056-27 | | | | | |
| Diesel Range Organics | 57 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 340 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|---------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-5-1 | | | | | |
| Laboratory ID: | 04-056-28 | | | | | |
| Diesel Range Organics | ND | 29 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 57 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | STP-5-4 | | | | | |
| Laboratory ID: | 04-056-31 | | | | | |
| Diesel Range Organics | 34 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 170 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 96 | 50-150 | | | | |
| Client ID: | STP-5-5 | | | | | |
| Laboratory ID: | 04-056-32 | | | | | |
| Diesel Range Organics | 48 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 230 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 85 | 50-150 | | | | |
| Client ID: | NS-Trench-9-10.0-1 | | | | | |
| Laboratory ID: | 04-056-33 | | | | | |
| Diesel Range Organics | 6400 | 290 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 570 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |

S



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0406S2 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 97 | 50-150 | | | | |
| Laboratory ID: | MB0406S3 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 95 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-------------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-056-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range | ND | ND | NA | NA | NA | NA | NA | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 81 | 89 | 50-150 | | |
| Laboratory ID: | 04-056-02 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 45.1 | 40.5 | NA | NA | NA | NA | 11 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 76 | 82 | 50-150 | | |
| Laboratory ID: | 04-056-33 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 5600 | 4740 | NA | NA | NA | NA | 17 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | | S,S |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

**TOTAL METALS
 EPA 6010C/7471B**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | EPA Method | Date Prepared | Date Analyzed | Flags |
|-------------------|----------------|------------|-------------------|----------------------|----------------------|--------------|
| Lab ID: | 04-056-15 | | | | | |
| Client ID: | STP-2-1 | | | | | |
| Arsenic | ND | 14 | 6010C | 4-10-17 | 4-10-17 | |
| Barium | 240 | 3.5 | 6010C | 4-10-17 | 4-10-17 | |
| Cadmium | 3.2 | 0.69 | 6010C | 4-10-17 | 4-10-17 | |
| Chromium | 44 | 0.69 | 6010C | 4-10-17 | 4-10-17 | |
| Lead | 120 | 6.9 | 6010C | 4-10-17 | 4-10-17 | |
| Mercury | ND | 0.35 | 7471B | 4-10-17 | 4-10-17 | |
| Selenium | ND | 14 | 6010C | 4-10-17 | 4-10-17 | |
| Silver | ND | 1.4 | 6010C | 4-10-17 | 4-10-17 | |

| | | | | | | |
|-------------------|----------------|------|-------|---------|---------|--|
| Lab ID: | 04-056-16 | | | | | |
| Client ID: | STP-2-2 | | | | | |
| Arsenic | ND | 11 | 6010C | 4-10-17 | 4-10-17 | |
| Barium | 140 | 2.8 | 6010C | 4-10-17 | 4-10-17 | |
| Cadmium | 1.7 | 0.55 | 6010C | 4-10-17 | 4-10-17 | |
| Chromium | 32 | 0.55 | 6010C | 4-10-17 | 4-10-17 | |
| Lead | 130 | 5.5 | 6010C | 4-10-17 | 4-10-17 | |
| Mercury | ND | 0.28 | 7471B | 4-10-17 | 4-10-17 | |
| Selenium | ND | 11 | 6010C | 4-10-17 | 4-10-17 | |
| Silver | ND | 1.1 | 6010C | 4-10-17 | 4-10-17 | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

**TOTAL METALS
 EPA 6010C/7471B
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-10-17
 Date Analyzed: 4-10-17

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: MB0410SM1&MB0410S2

| Analyte | Method | Result | PQL |
|----------|--------|--------|------|
| Arsenic | 6010C | ND | 10 |
| Barium | 6010C | ND | 2.5 |
| Cadmium | 6010C | ND | 0.50 |
| Chromium | 6010C | ND | 0.50 |
| Lead | 6010C | ND | 5.0 |
| Mercury | 7471B | ND | 0.25 |
| Selenium | 6010C | ND | 10 |
| Silver | 6010C | ND | 1.0 |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

**TOTAL METALS
 EPA 6010C/7471B
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-10-17
 Date Analyzed: 4-10-17

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 04-093-01

| Analyte | Sample Result | Duplicate Result | RPD | PQL | Flags |
|----------|---------------|------------------|-----|------|-------|
| Arsenic | 10.2 | 10.3 | 1 | 10 | |
| Barium | 56.8 | 55.7 | 2 | 2.5 | |
| Cadmium | ND | ND | NA | 0.50 | |
| Chromium | 24.3 | 26.2 | 8 | 0.50 | |
| Lead | 29.7 | 27.8 | 7 | 5.0 | |
| Mercury | ND | ND | NA | 0.25 | |
| Selenium | ND | ND | NA | 10 | |
| Silver | ND | ND | NA | 1.0 | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

**TOTAL METALS
 EPA 6010C/7471B
 MS/MSD QUALITY CONTROL**

Date Extracted: 4-10-17

Date Analyzed: 4-10-17

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-093-01

| Analyte | Spike Level | MS | Percent Recovery | MSD | Percent Recovery | RPD | Flags |
|----------|-------------|--------------|------------------|--------------|------------------|-----|-------|
| Arsenic | 100 | 96.9 | 87 | 96.1 | 86 | 1 | |
| Barium | 100 | 154 | 97 | 133 | 76 | 15 | |
| Cadmium | 50.0 | 46.0 | 92 | 45.0 | 90 | 2 | |
| Chromium | 100 | 112 | 87 | 108 | 84 | 3 | |
| Lead | 250 | 251 | 89 | 242 | 85 | 4 | |
| Mercury | 0.500 | 0.557 | 111 | 0.521 | 104 | 7 | |
| Selenium | 100 | 88.1 | 88 | 88.5 | 88 | 0 | |
| Silver | 25.0 | 20.1 | 80 | 19.9 | 80 | 1 | |



Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-056
Project: 1001-002

TCLP LEAD
EPA 1311/6010C

Matrix: TCLP Extract
Units: mg/L (ppm)

| Analyte | Result | PQL | EPA Method | Date Prepared | Date Analyzed | Flags |
|-------------------|----------------|------------|-------------------|----------------------|----------------------|--------------|
| Lab ID: | 04-056-15 | | | | | |
| Client ID: | STP-2-1 | | | | | |
| Lead | ND | 0.20 | 6010C | 4-11-17 | 4-11-17 | |



Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-056
Project: 1001-002

**TCLP LEAD
EPA 1311/6010C
METHOD BLANK QUALITY CONTROL**

Date Prepared: 4-10-17
Date Extracted: 4-11-17
Date Analyzed: 4-11-17

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: MB0411TM1

| Analyte | Method | Result | PQL |
|---------|--------|-----------|------|
| Lead | 6010C | ND | 0.20 |



Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-056
Project: 1001-002

**TCLP LEAD
EPA 1311/6010C
DUPLICATE QUALITY CONTROL**

Date Prepared: 4-10-17

Date Extracted: 4-11-17

Date Analyzed: 4-11-17

Matrix: TCLP Extract

Units: mg/L (ppm)

Lab ID: 04-089-01

| Analyte | Sample Result | Duplicate Result | RPD | PQL | Flags |
|---------|------------------|---------------------|-----|------|-------|
| Lead | ND | ND | NA | 0.20 | |



Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-056
Project: 1001-002

**TCLP LEAD
EPA 1311/6010C
MS/MSD QUALITY CONTROL**

Date Prepared: 4-10-17
Date Extracted: 4-11-17
Date Analyzed: 4-11-17

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 04-089-01

| Analyte | Spike Level | MS | Percent Recovery | MSD | Percent Recovery | RPD | Flags |
|---------|-------------|-------------|------------------|-------------|------------------|-----|-------|
| Lead | 10.0 | 9.35 | 94 | 9.32 | 93 | 0 | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-056
 Project: 1001-002

% MOISTURE

Date Analyzed: 4-6&7-17

| Client ID | Lab ID | % Moisture |
|--------------------|-----------|------------|
| NS-Trench-1-5.0 | 04-056-01 | 10 |
| NS-Trench-2-10.0 | 04-056-02 | 8 |
| NS-Trench-3-10.0 | 04-056-03 | 9 |
| NS-Trench-4-5.0 | 04-056-04 | 11 |
| NS-Trench-5-10.0 | 04-056-05 | 10 |
| NS-Trench-6-10.0 | 04-056-06 | 10 |
| NS-Trench-7-10.0 | 04-056-07 | 8 |
| NS-Trench-8-5.0 | 04-056-08 | 10 |
| NS-Trench-9-10.0 | 04-056-09 | 17 |
| EW-Trench-1-5.0 | 04-056-10 | 7 |
| EW-Trench-10.0 | 04-056-11 | 11 |
| STP-1-1 | 04-056-12 | 16 |
| STP-1-2 | 04-056-13 | 11 |
| STP-1-3 | 04-056-14 | 6 |
| STP-2-1 | 04-056-15 | 28 |
| STP-2-2 | 04-056-16 | 10 |
| STP-2-3 | 04-056-17 | 12 |
| STP-2-4 | 04-056-18 | 11 |
| STP-3-1 | 04-056-20 | 12 |
| STP-3-2 | 04-056-21 | 9 |
| STP-3-3 | 04-056-22 | 13 |
| STP-4-1 | 04-056-25 | 9 |
| STP-4-2 | 04-056-26 | 16 |
| STP-4-3 | 04-056-27 | 10 |
| STP-5-1 | 04-056-28 | 12 |
| STP-5-4 | 04-056-31 | 8 |
| STP-5-5 | 04-056-32 | 10 |
| NS-Trench-9-10.0-1 | 04-056-33 | 13 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Gratton
 Sampled by: J. Ruark

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-056

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------------|-----------------------------------------------------------------|--------------|-----------------|--------------|----------------------|------------|-----------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|---|
| | | | | | | 1 | NS-Trench-1-5.0 | 4/4/17 | 1041 | S | 1 | | | | X | | | | | | | | | |
| 2 | NS-Trench-2-10.0 NS-Trench-2-10.0 STEY | | 1052 | S | 1 | | | | X | | | | YES | NO STEY | | | | | | | | | | X |
| 3 | NS-Trench-3-10.0 | | 1122 | | | | | | X | | | | | | | | | | | | | | | |
| 4 | NS-Trench-4-5.0 | | 1127 | | | | | | X | | | | | | | | | | | | | | | |
| 5 | NS-Trench-5-10.0 | | 1136 | | | | | | X | | | | | | | | | | | | | | | |
| 6 | NS-Trench-6-10.0 | | 1213 | | | | | | X | | | | | | | | | | | | | | | |
| 7 | NS-Trench-7-10.0 NS-Trench-7-10.0 STEY | | 1310 | | | | | | X | | | | YES | NO STEY | | | | | | | | | | X |
| 8 | NS-Trench-8-5.0 | | 1422 | | | | | | X | | | | | | | | | | | | | | | |
| 9 | NS-Trench-9-10.0 | | 1439 | | | | | | X | | | | | | | | | | | | | | | |
| 10 | EW-Trench-1-5.0 | | 1520 | | | | | | X | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-----------------------------------------------------------------------------------------------------------------------|--------------------|--------|-------|--------------------------------|
| <i>Paul Gratton</i> | Farallon | 4/5/17 | 1700 | ⊗ Added 4/10/17-DB (1 day TAT) |
| <i>A.B.</i> | Farallon | 4-5-17 | 17:00 | |
| <i>A.B.</i> | Farallon | 4-5-17 | 18:00 | |
| <i>[Signature]</i> | <i>[Signature]</i> | 4/5/17 | 1800 | |
| | | | | |
| Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | | | | |
| Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | | | |

Chain of Custody

Company: Farallon
Project Number: 1001-002
Project Name: Colman Oil
Project Manager: Paul Graham
Sampled by: J. Ruark

Turnaround Request (in working days)
(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-056

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | Analytical Parameters | | | | | | | | | | | | | | | | | | | |
|--------|-----------------------|--------------|-----------------|--------|----------------------|-----------------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|--|
| | | | | | | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | | |
| 11 | EW-Trench-10.0 | 4/4/17 | 1524 | S | 1 | | | | X | | | | | | | | | | | | | | | | |
| 12 | STP-1-1 | | 1641 | | | | | | X | | | | | | | | | | | | | | | | |
| 13 | STP-1-2 | | 1642 | | | | | | X | | | | | | | | | | | | | | | | |
| 14 | STP-1-3 | | 1643 | | | | | | X | | | | | | | | | | | | | | | | |
| 15 | STP-2-1 | | 1644 | | | | | | X | | | | | | | | | | | | | | X | | |
| 16 | STP-2-2 | | 1645 | | | | | | X | | | | | | | | | | | | | | X | | |
| 17 | STP-2-3 | | 1646 | | | | | | X | | | | | | | | | | | | | | | | |
| 18 | STP-2-4 | | 1647 | | | | | | X | | | | | | | | | | | | | | | | |
| 19 | STP-2-5 | | 1648 | | | | | | X | | | | | | | | | | | | | | | | |
| 20 | STP-3-1 | | 1649 | | | | | | X | | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|-------------|----------|---------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Relinquished | [Signature] | Farallon | 4/5/17 | 1700 | |
| Received | [Signature] | Farallon | 4-5-17 | 17:00 | |
| Relinquished | [Signature] | Farallon | 4-5-17 | 18:00 | |
| Received | [Signature] | OSIE | 4/5/17 | 1800 | |
| Relinquished | | | | | |
| Received | | | | | |
| | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | | Reviewed/Date | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | |

Chain of Custody

 Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Grabeau
 Sampled by: J. Ruark
Turnaround Request (in working days)

(Check One)

-
- Same Day
-
-
- 1 Day
-
-
- 2 Days
-
-
- 3 Days
-
-
- Standard (7 Days) (TPH analysis 5 Days)
-
-
- _____ (other)

 Laboratory Number: **04-056**

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|---------------|-----------------------|--------------|-----------------|--------|----------------------|------------|---------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|
| | | | | | | 21 | STP-3-2 | 4/4/17 | 1650 | S | 1 | | | | X | | | | | | | | | |
| 22 | STP-3-3 | | 1651 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 23 | STP-3-4 | | 1652 | | | | | | X | | | | | | | | | | | | | | | |
| 24 | STP-3-5 | | 1653 | | | | | | X | | | | | | | | | | | | | | | |
| 25 | STP-4-1 | | 1655 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 26 | STP-4-2 | | 1656 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 27 | STP-4-3 | | 1657 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 28 | STP-5-1 | | 1720 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 29 | STP-5-2 | | 1725 | | | | | | X | | | | | | | | | | | | | | | |
| 30 | STP-5-3 | | 1727 | | | | | | X | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|---------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------|
| | Farallon | 4/4/17 | 1700 | |
| | Farallon | 4-5-17 | 17:00 | |
| | Farallon | 4-5-17 | 18:00 | |
| | OSI | 4/8/17 | 1800 | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Company: Farallon

Project Number: 1001-002

Project Name: Colman Oil

Project Manager: Paul Graham

Sampled by: J. Rucuph

Turnaround Request (in working days)

(Check One)

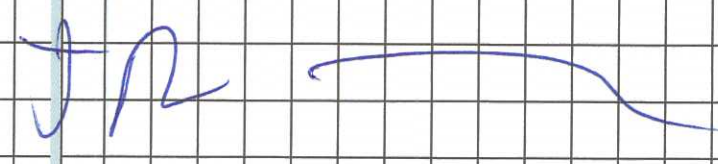
Same Day 1 Day



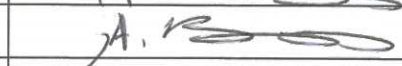

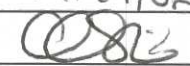
2 Days 3 Days

Standard (7 Days)
 (TPH analysis 5 Days)

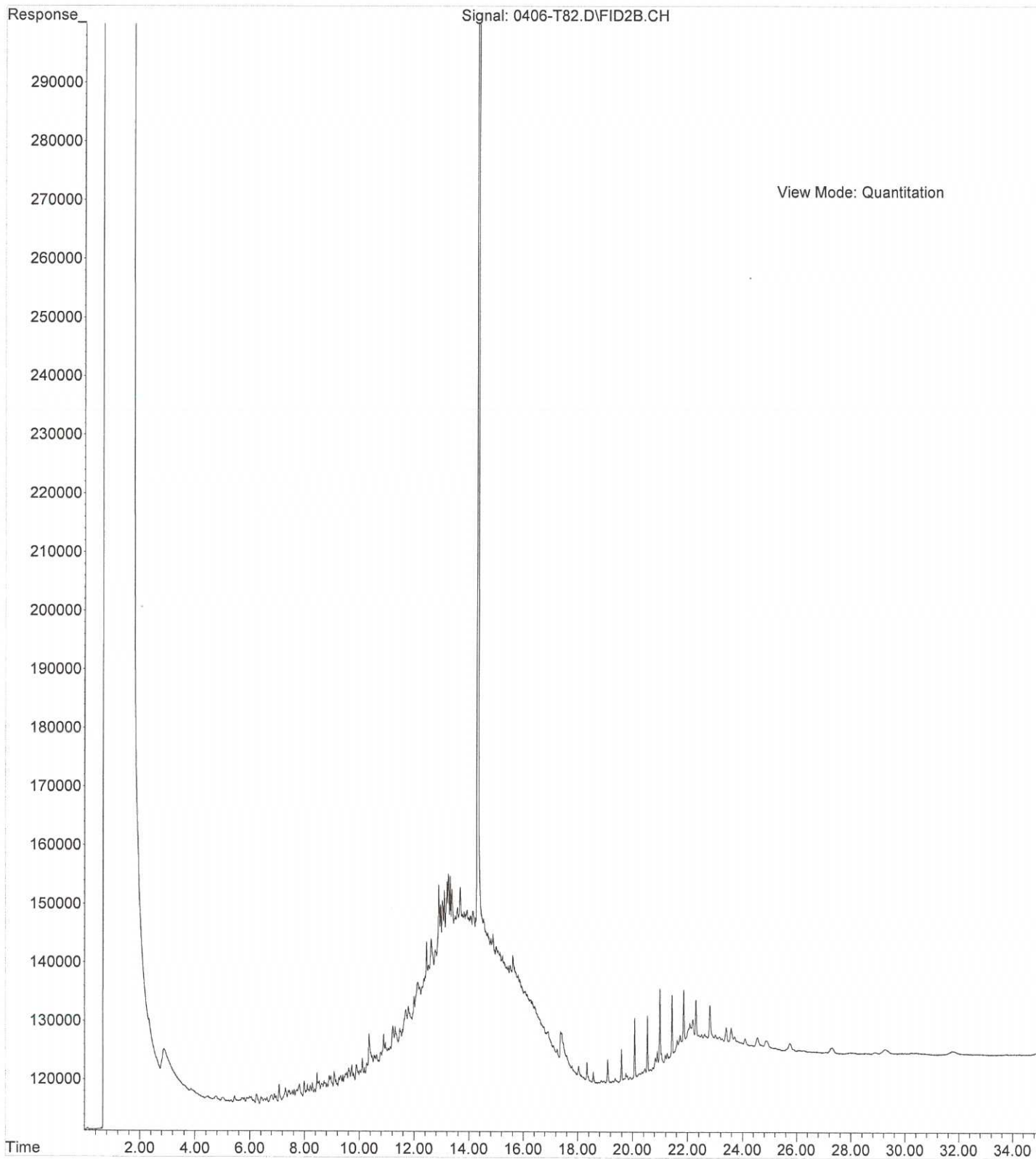
_____ (other)

Laboratory Number: **04-056**

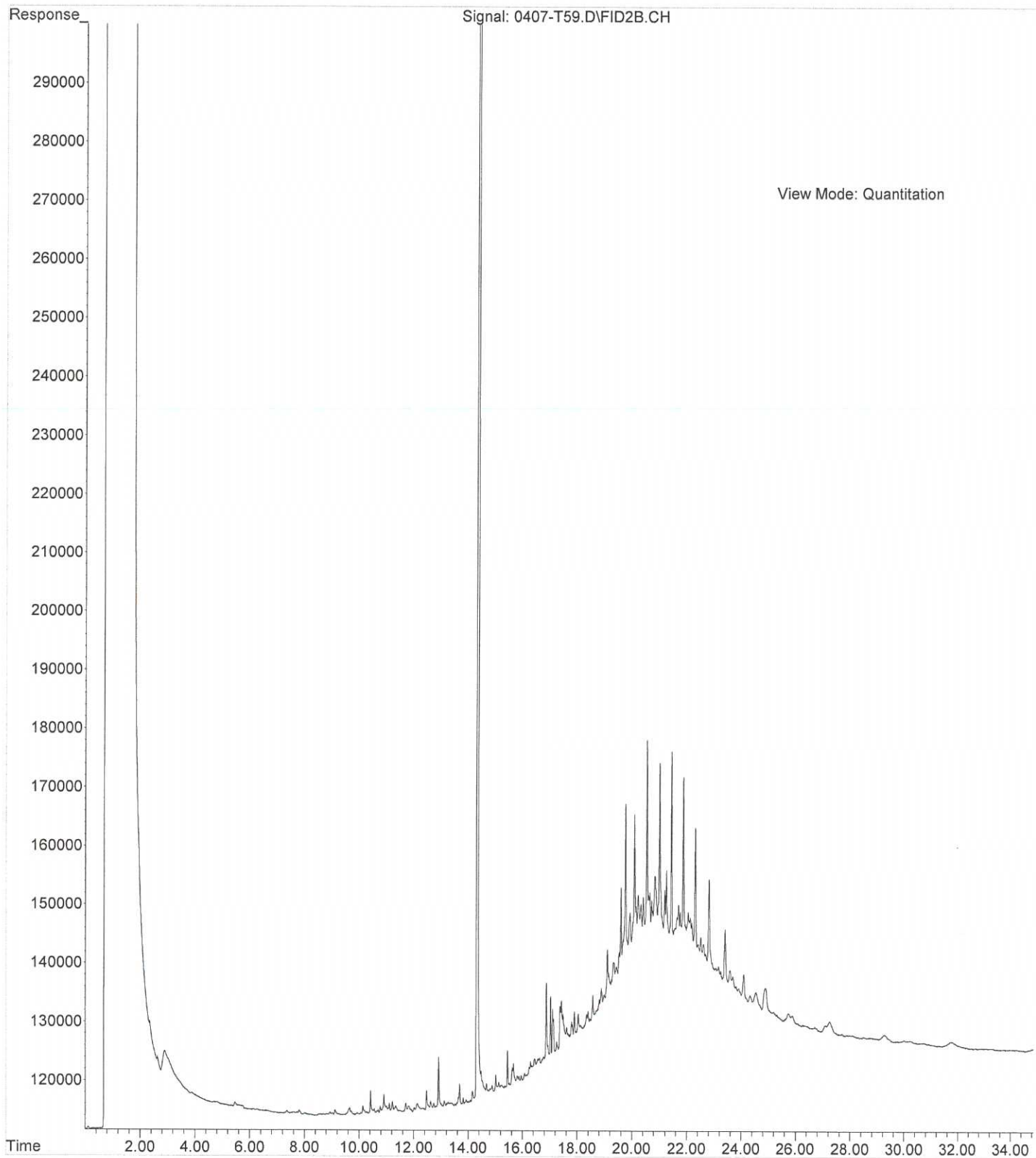
| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HClD | NWTPH-GV/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|-------------------------------------------------------------------------------------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|---|
| | | | | | | 31 | STP-S-4 | 4/4/17 | 1729 | S | 1 | | | | X | | | | | | | | | |
| 32 | STP-S-5 | 4/4/17 | 1730 | S | 1 | | | | X | | | | | | | | | | | | | | | X |
| 33 | NS-Trench-9-10.0-1 | 4/4 | 1439 | S | 1 | | | | X | | | | | | | | | | | | | | | X |
|  | | | | | | | | | | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------|
| Relinquished |  | Farallon | 4/5/17 | 1700 | |
| Received |  | Farallon | 4-5-17 | 17:00 | |
| Relinquished |  | Farallon | 4-5-17 | 18:00 | |
| Received |  |  | 4/5/17 | 18:00 | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | Reviewed/Date | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | |

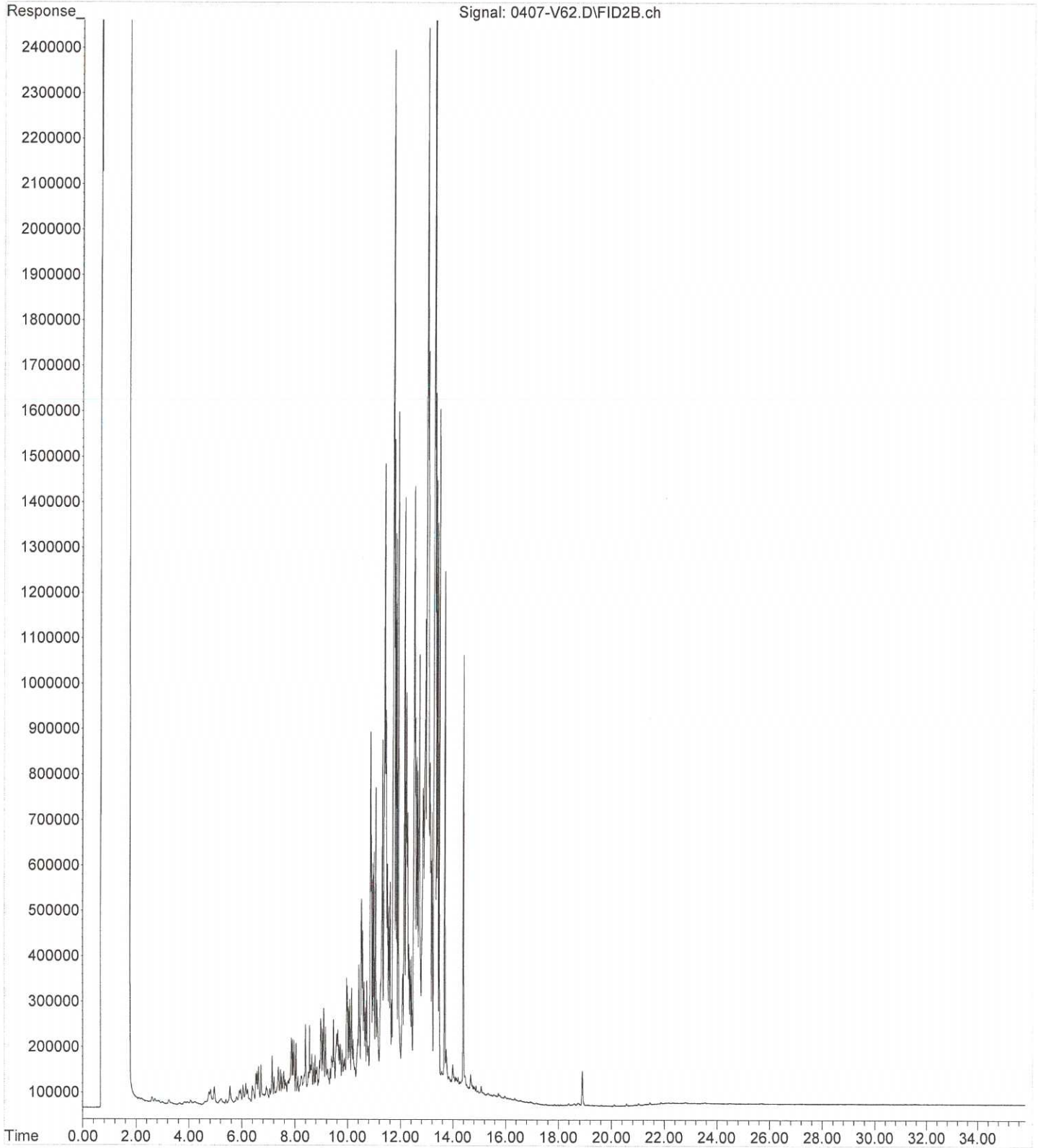
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Instrument : Teri
Sample Name: 04-056-02
Misc Info :
Vial Number: 82



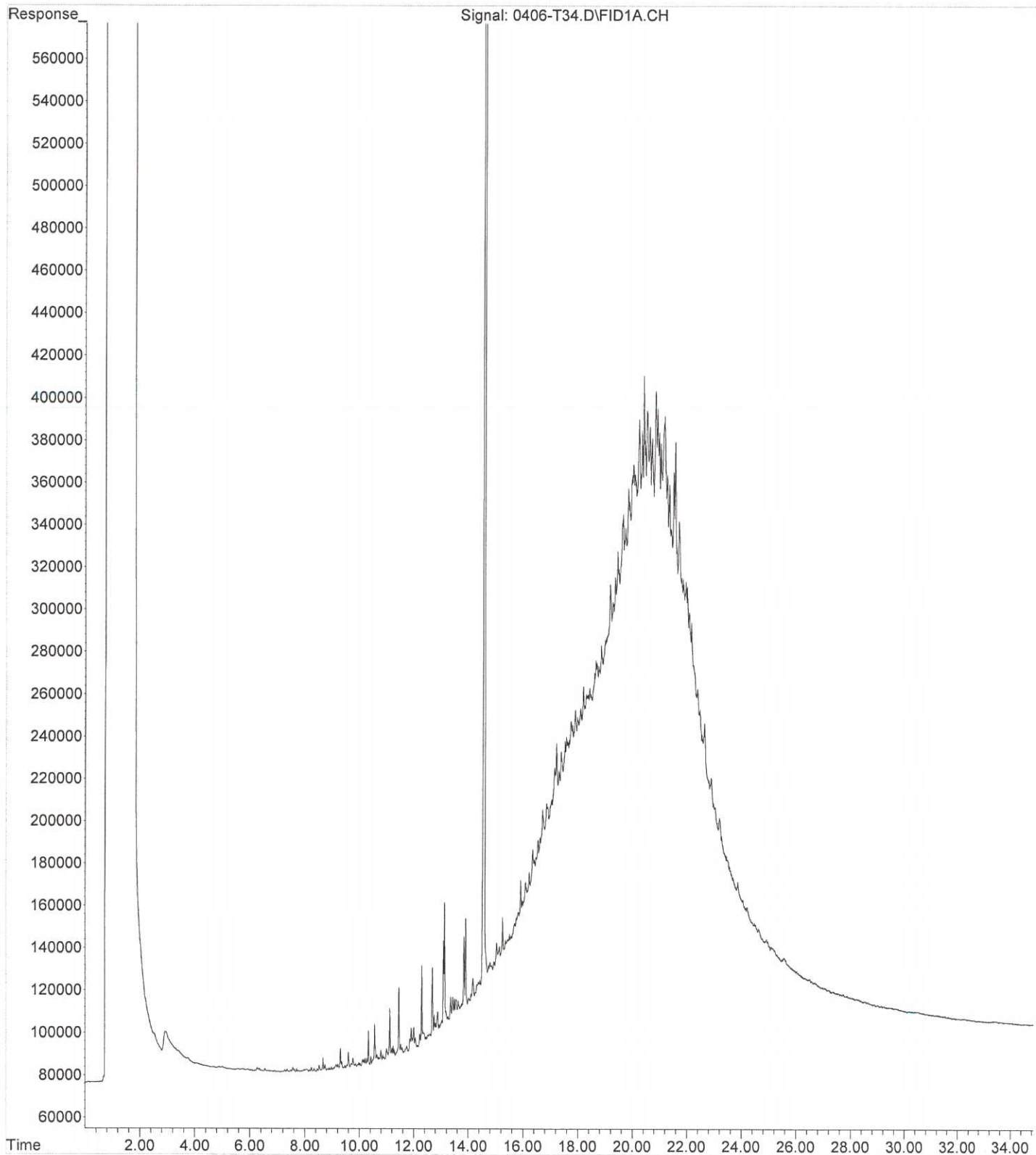
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Instrument : Teri
Sample Name: 04-056-04
Misc Info :
Vial Number: 59



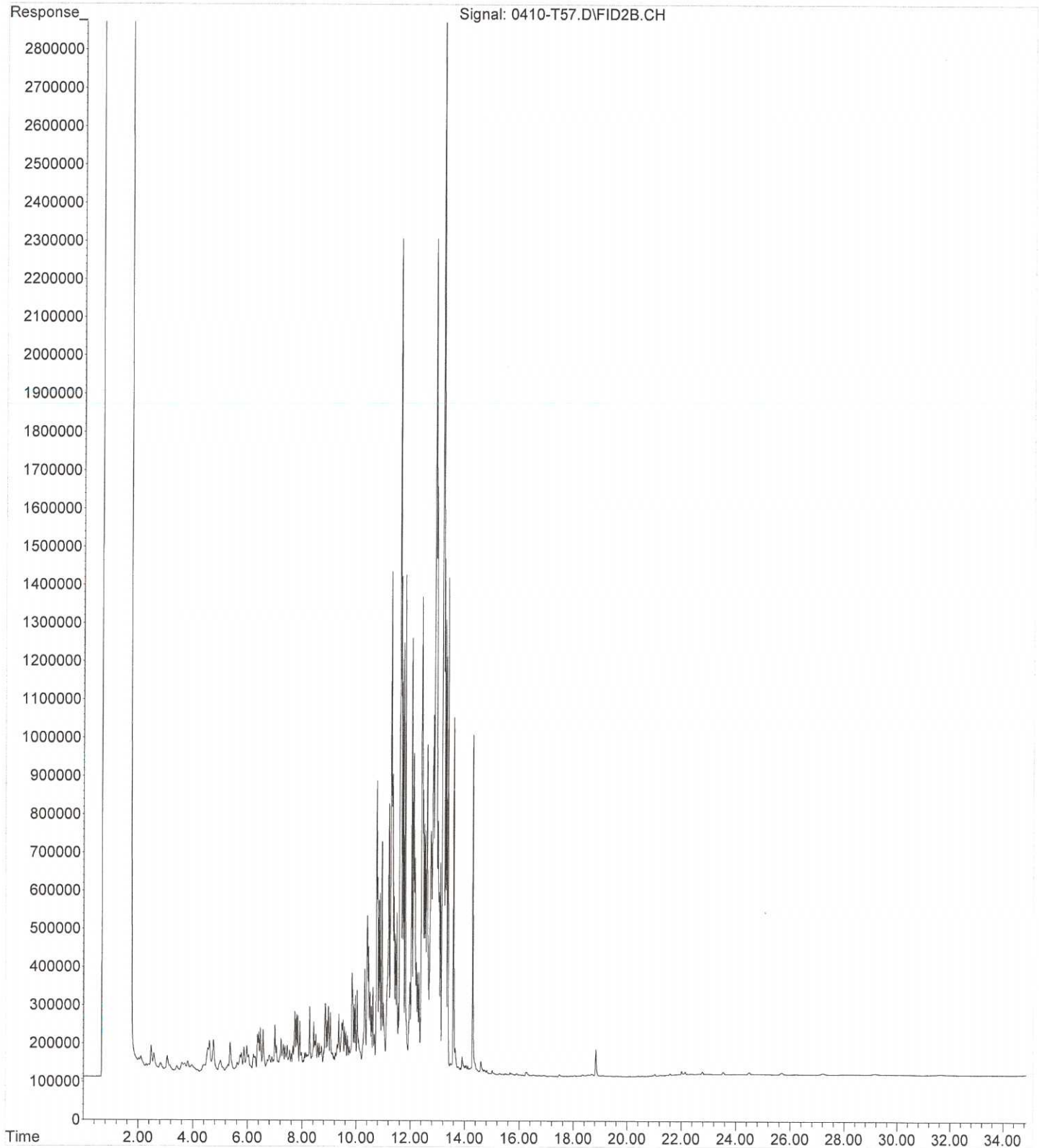
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Instrument : Vigo
Sample Name: 04-056-07 10X
Misc Info :
Vial Number: 62



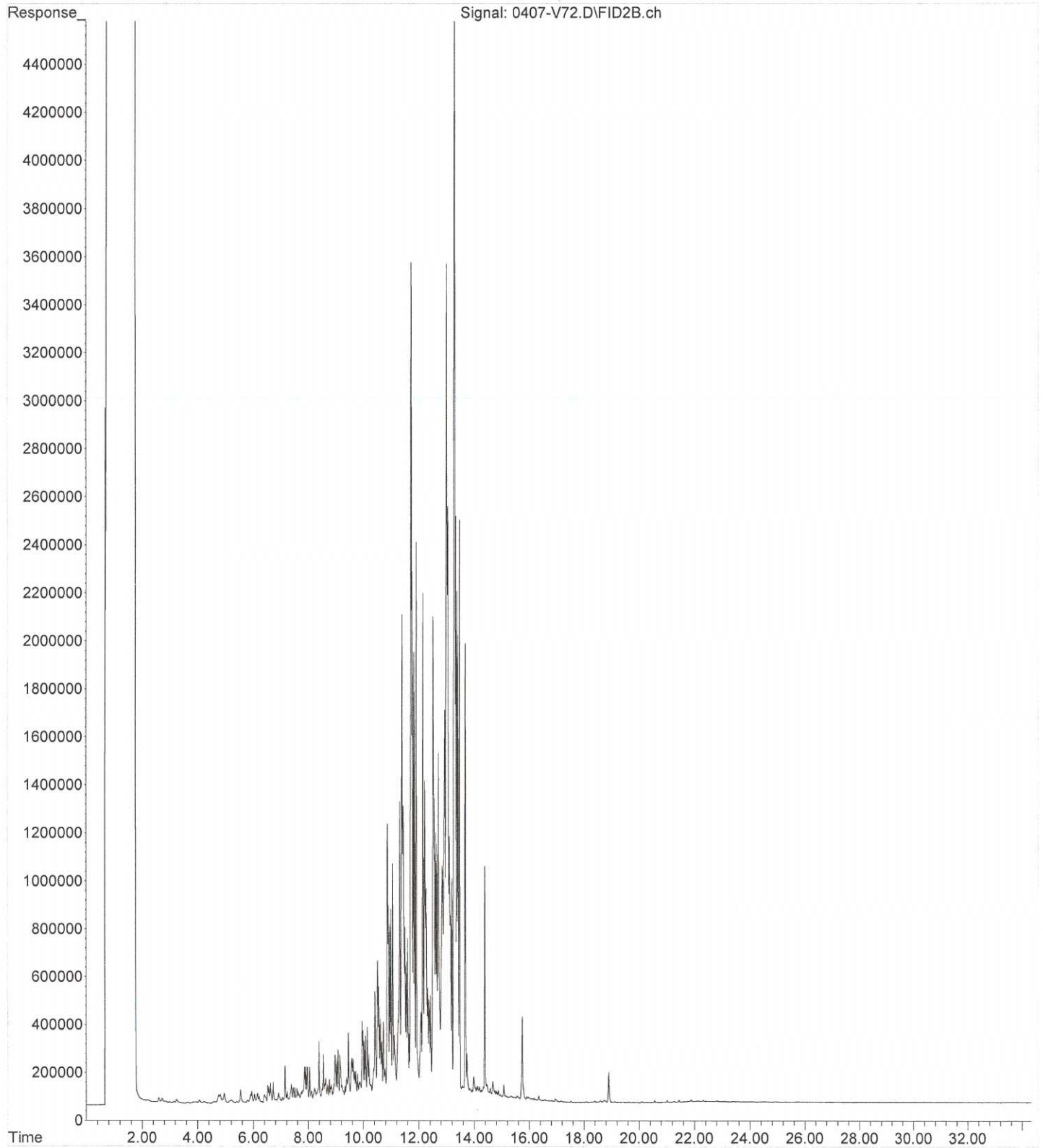
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Instrument : Teri
Sample Name: 04-056-08
Misc Info :
Vial Number: 34



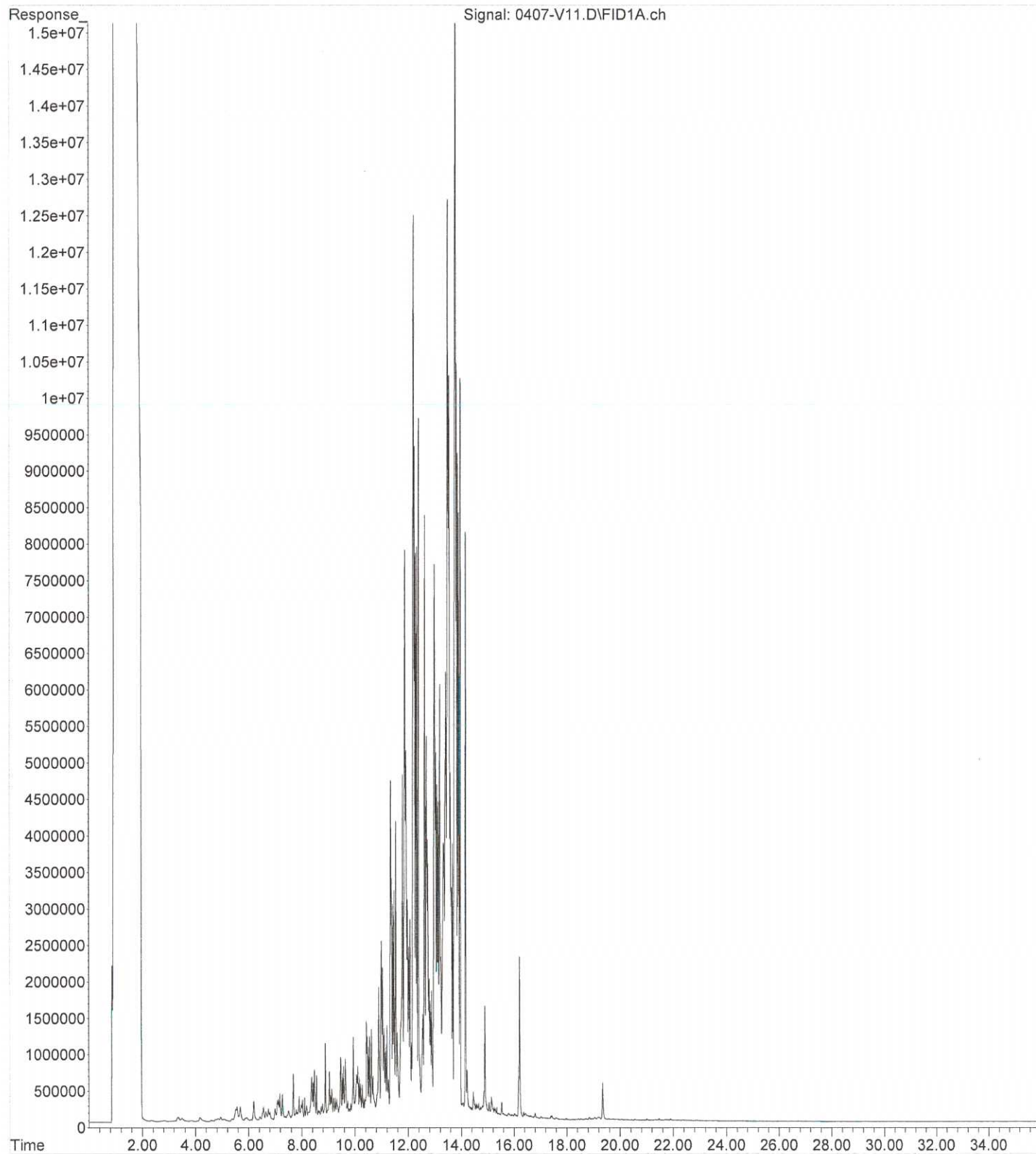
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Acquired : 10 Apr 2017 14:00 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-056-09 10X RR
Misc Info :
Vial Number: 57



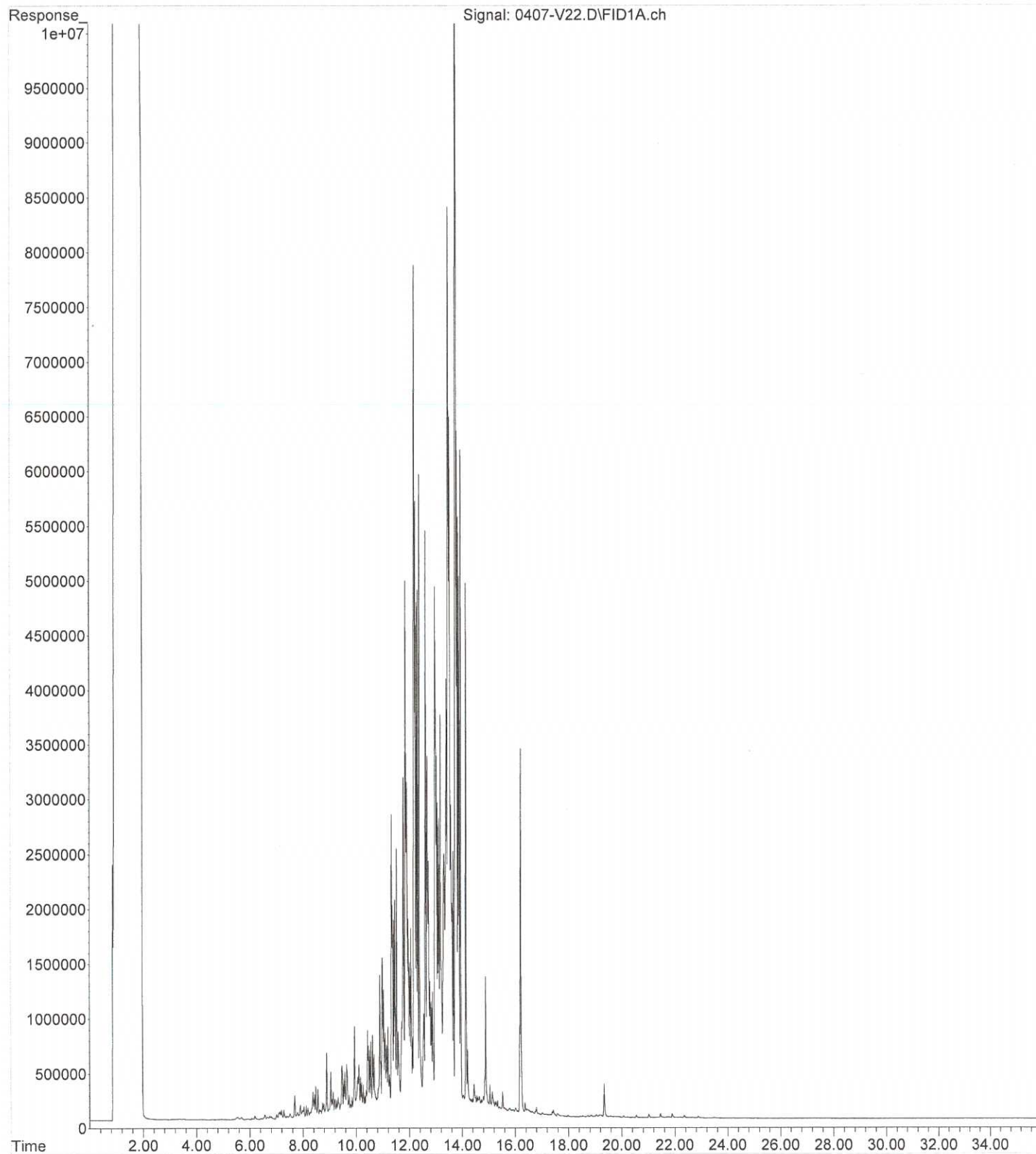
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Instrument : Vigo
Sample Name: 04-056-12 10X
Misc Info :
Vial Number: 72



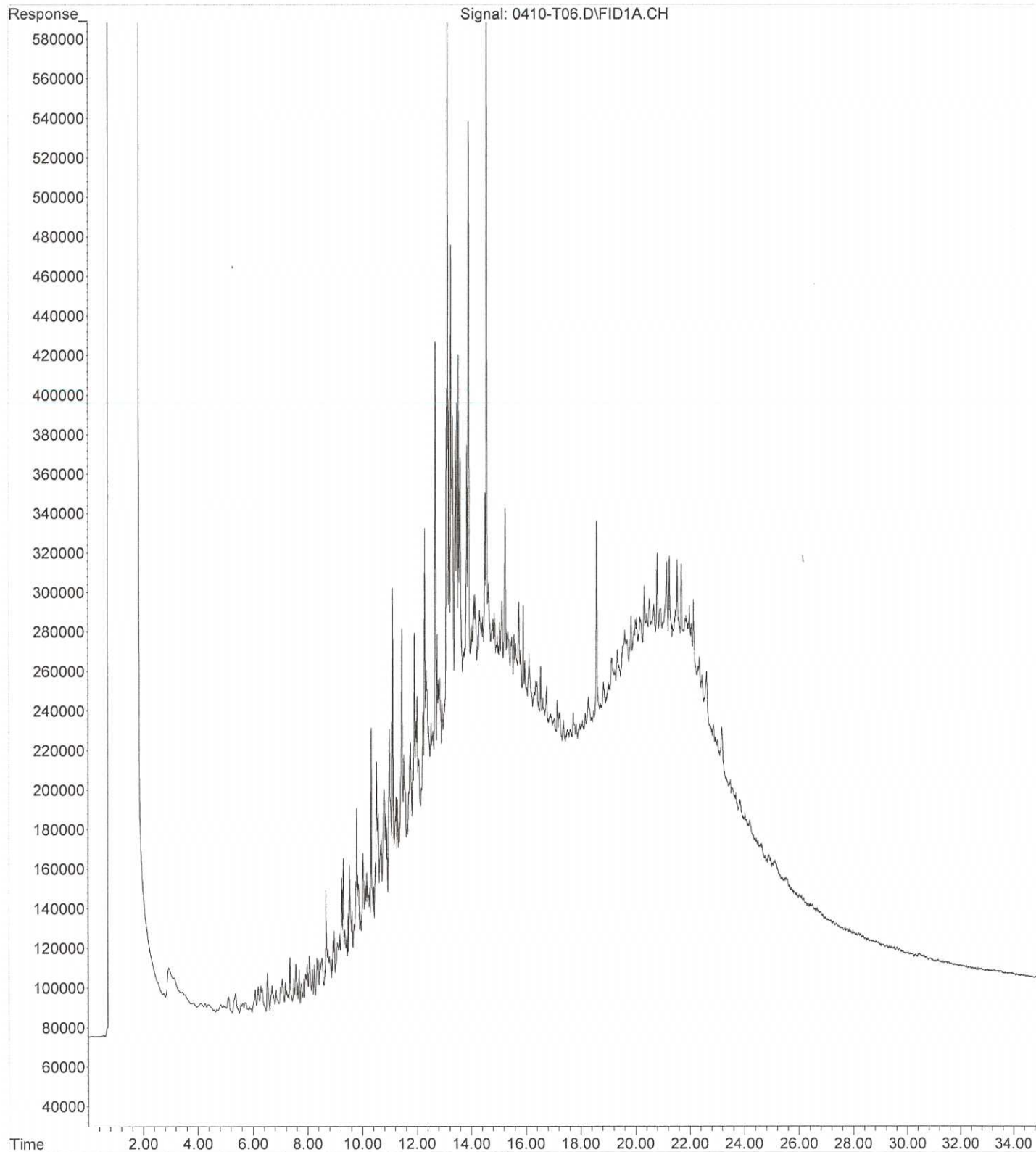
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Instrument : Vigo
Sample Name: 04-056-13 10X
Misc Info :
Vial Number: 11



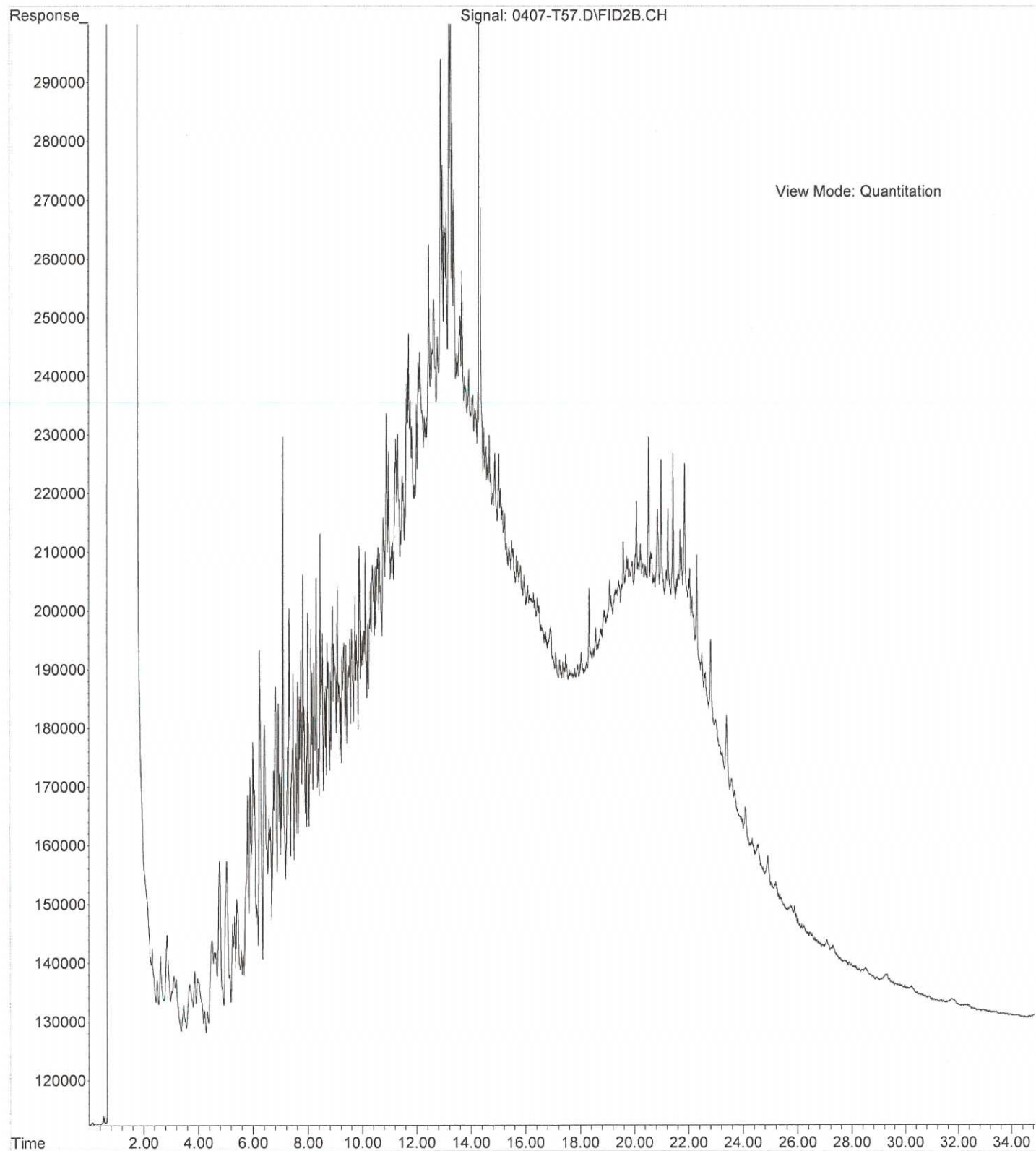
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Instrument : Vigo
Sample Name: 04-056-14 10X
Misc Info :
Vial Number: 22



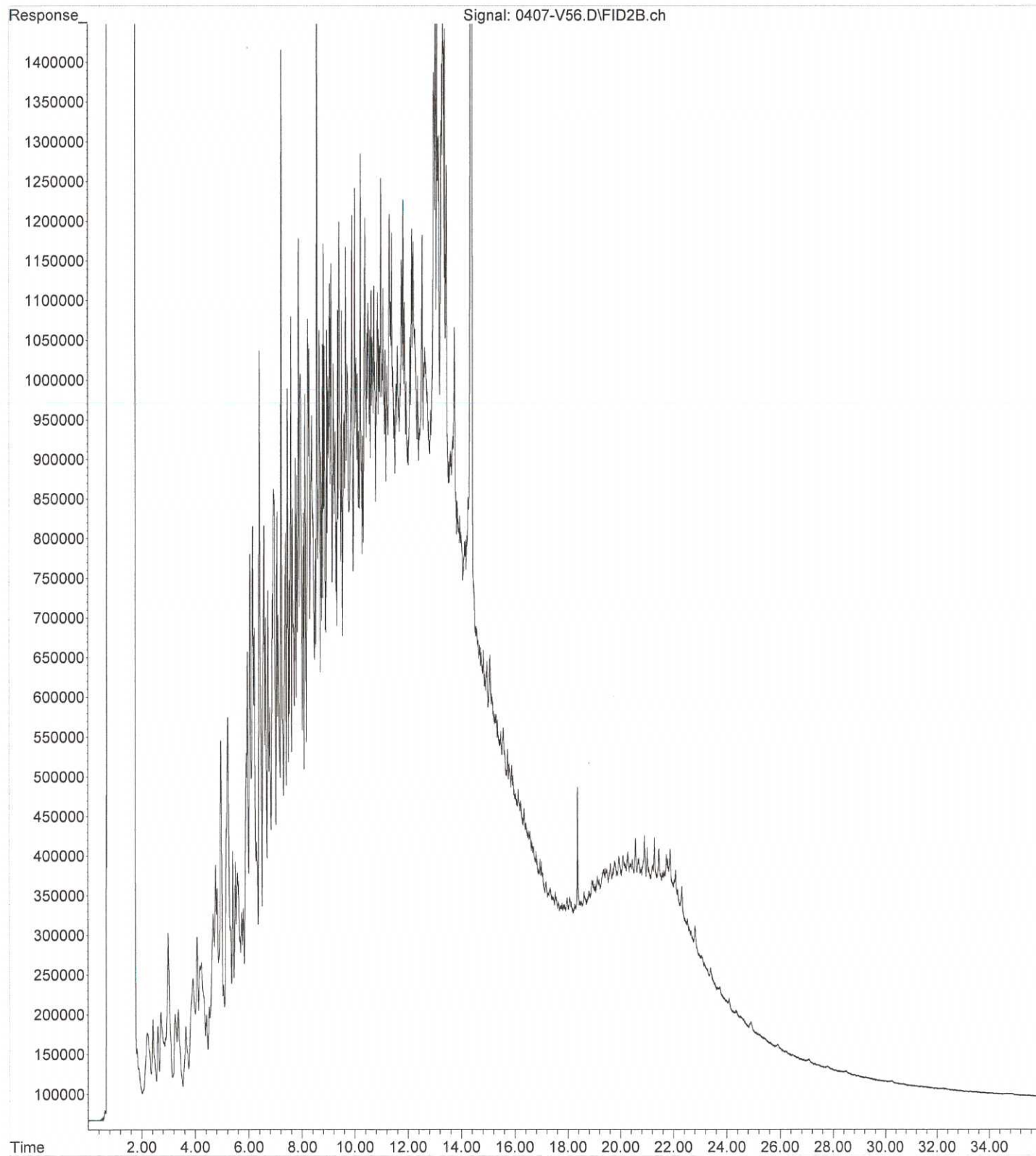
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Instrument : Teri
Sample Name: 04-056-15 20X
Misc Info :
Vial Number: 6



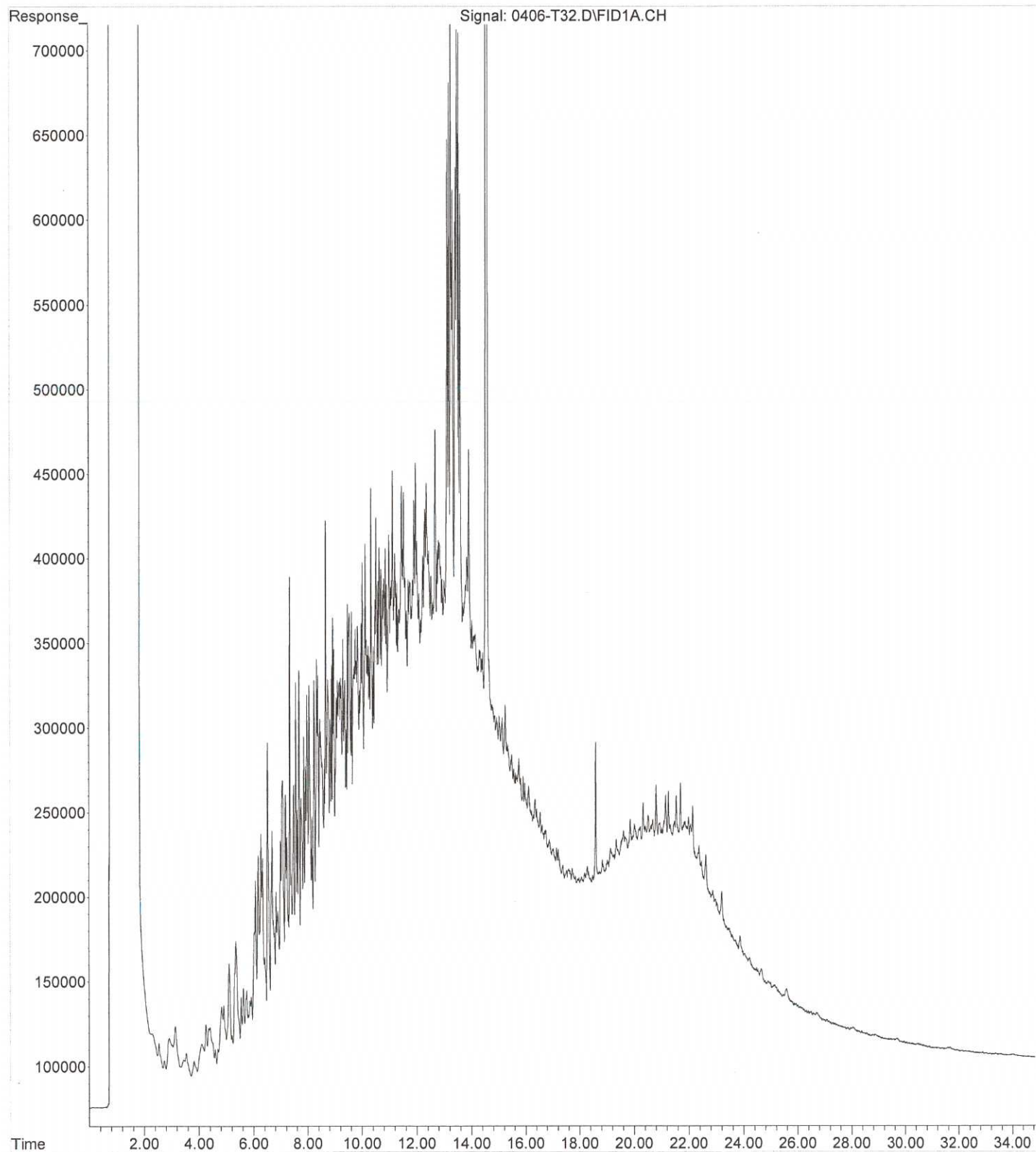
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Sample Name: 04-056-16 10X
Misc Info :
Vial Number: 57



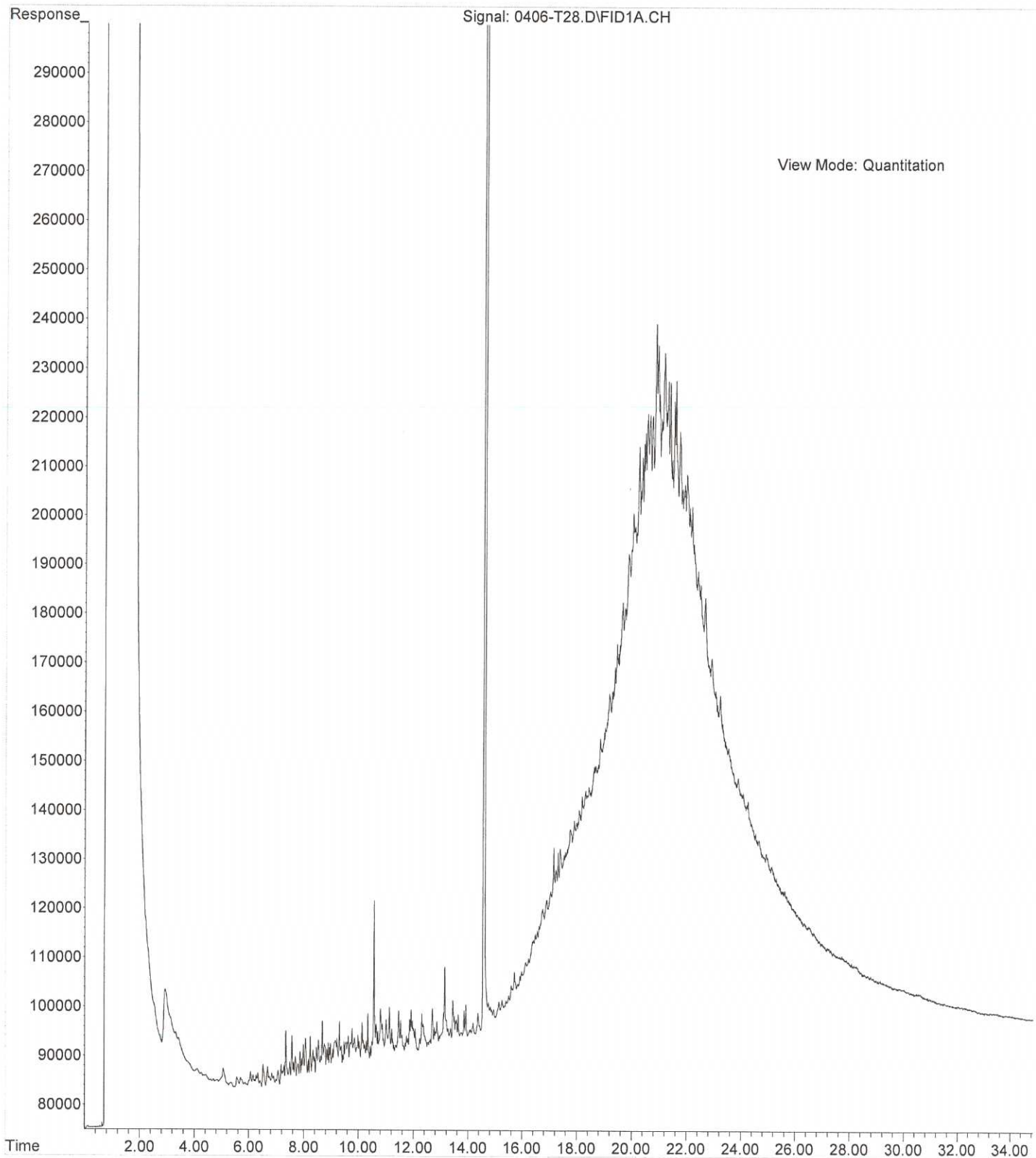
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Instrument : Vigo
Sample Name: 04-056-17
Misc Info :
Vial Number: 56



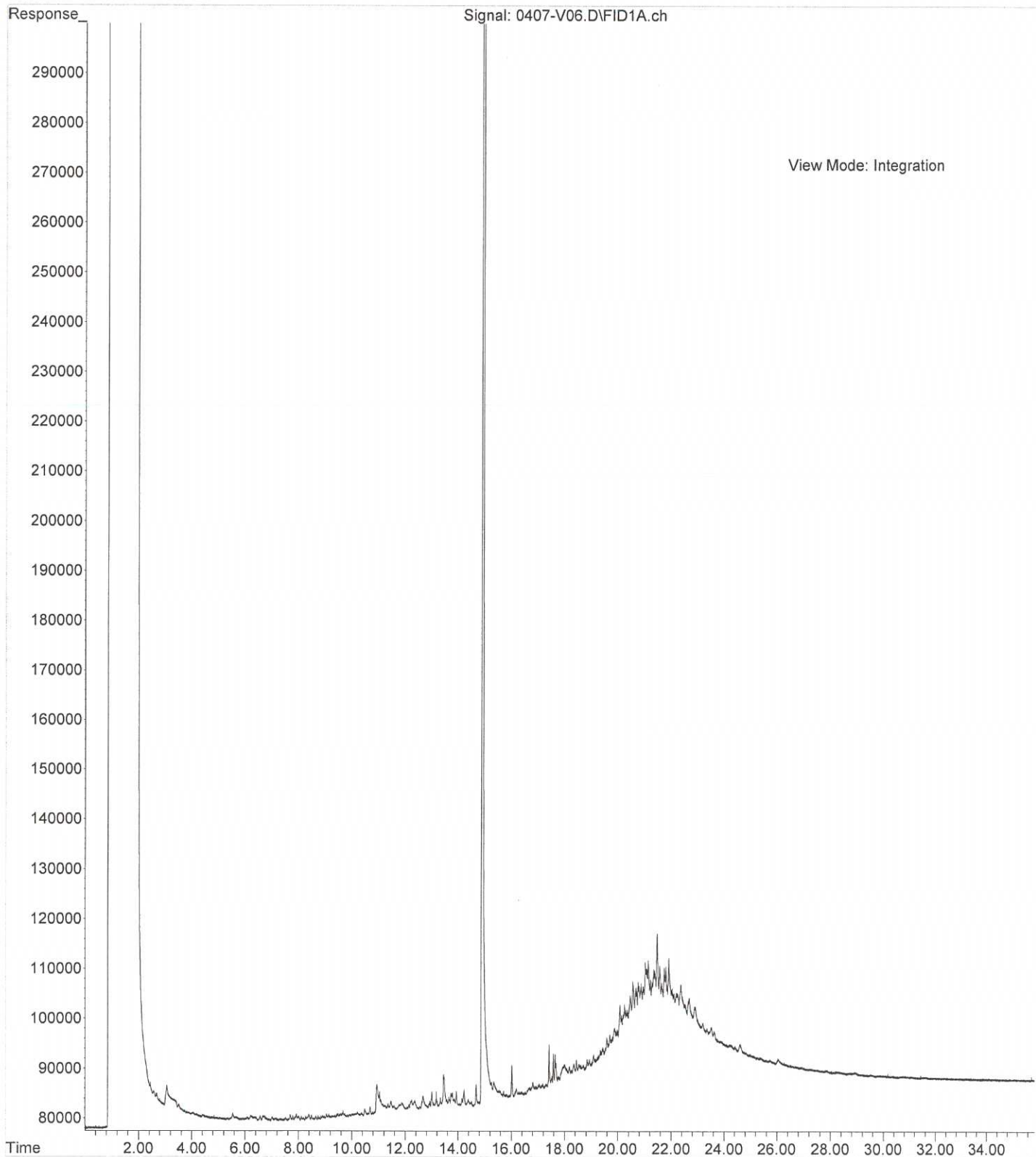
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Instrument : Teri
Sample Name: 04-056-18
Misc Info :
Vial Number: 32



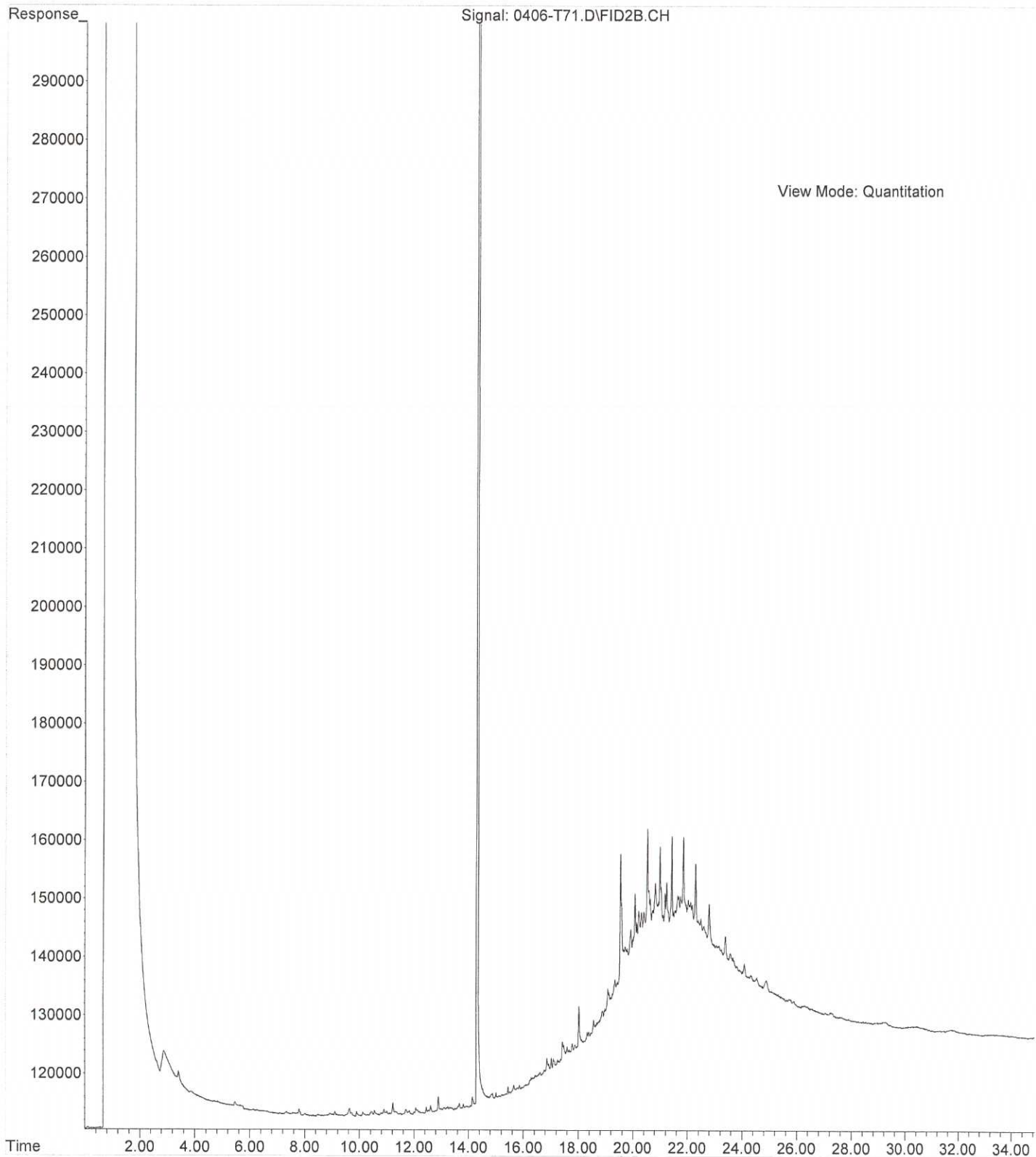
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Instrument : Teri
Sample Name: 04-056-20
Misc Info :
Vial Number: 28



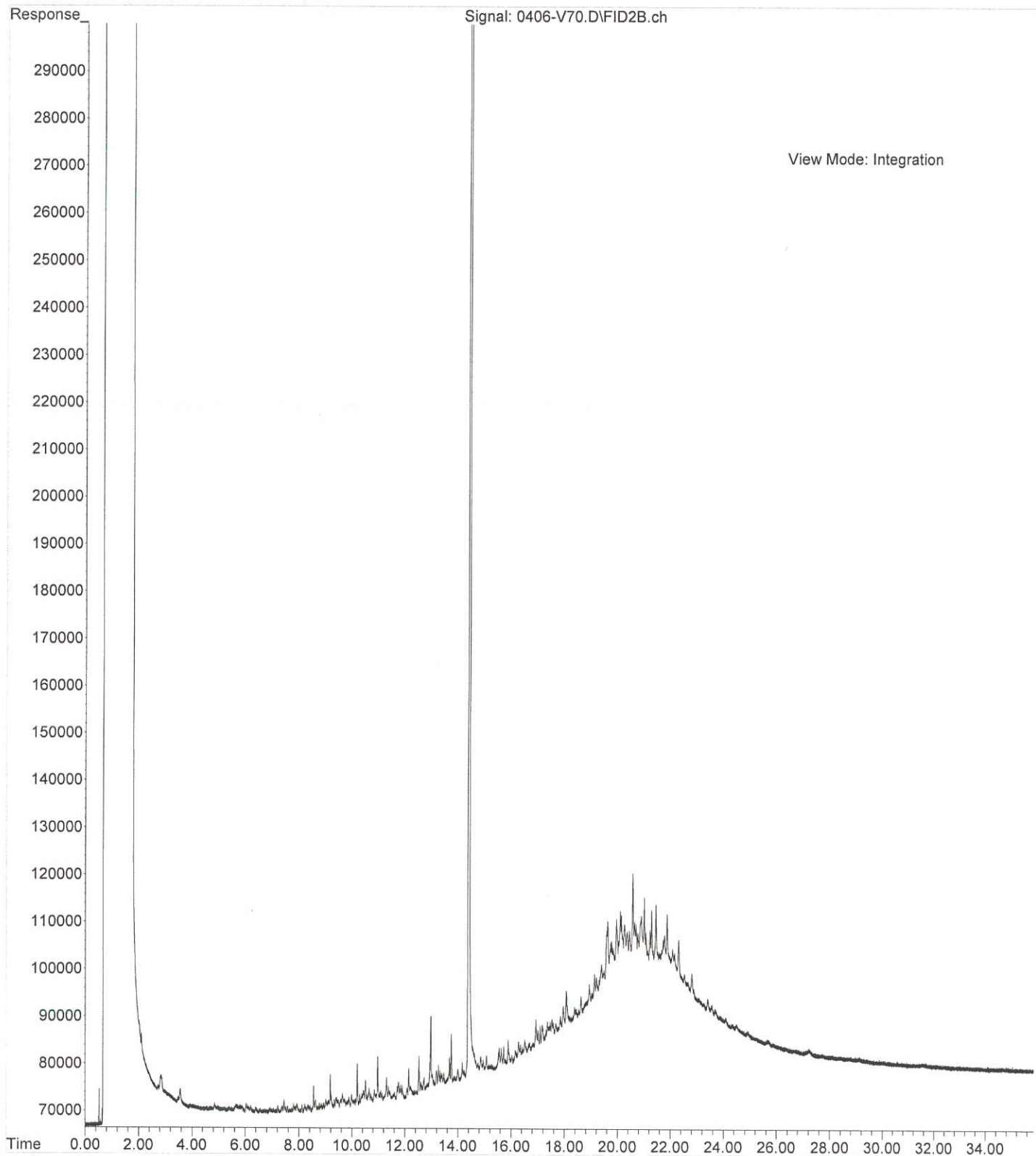
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Operator :
Acquired : 7 Apr 2017 15:16 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-056-21
Misc Info :
Vial Number: 6



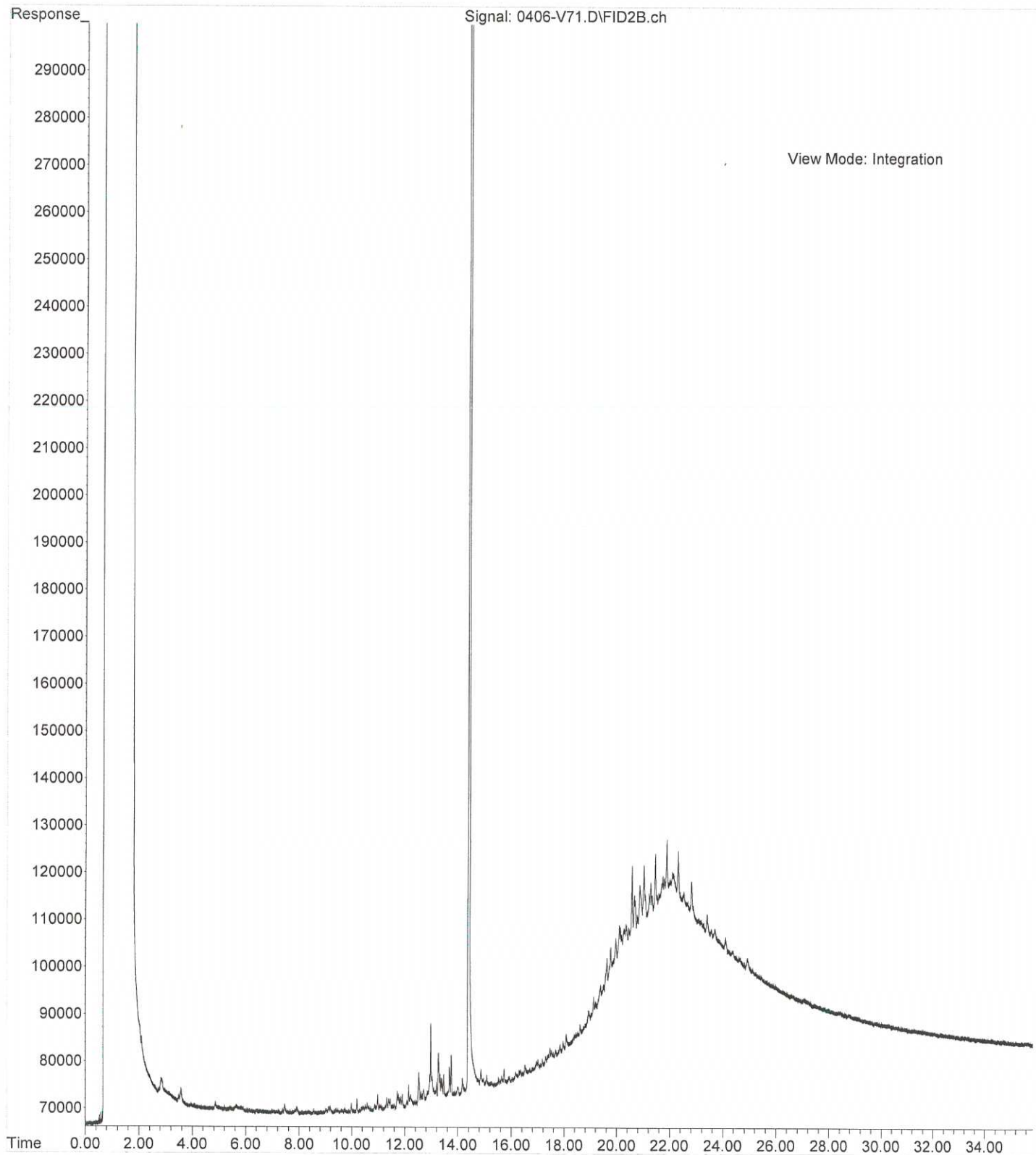
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Instrument : Teri
Sample Name: 04-056-22
Misc Info :
Vial Number: 71



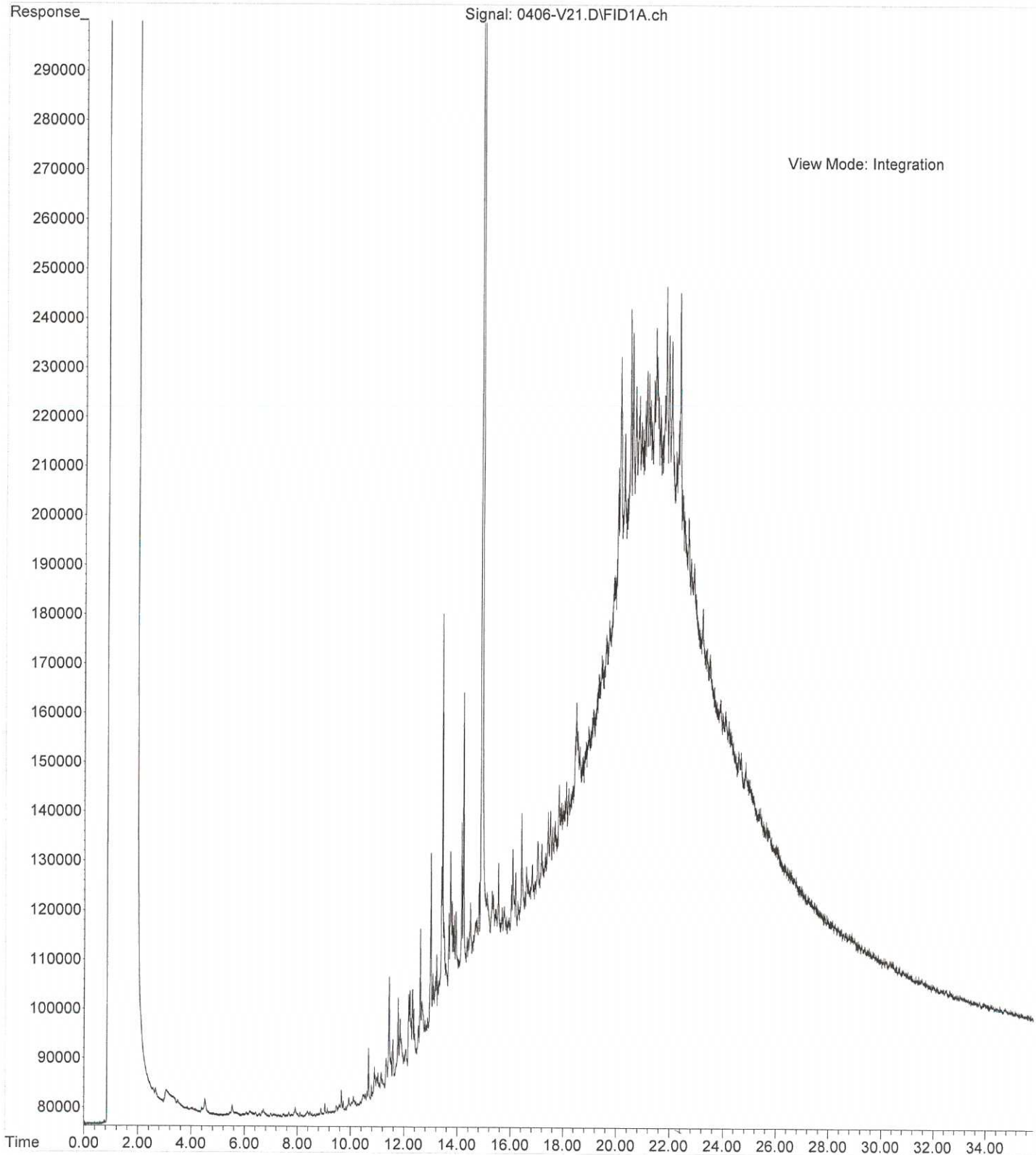
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Instrument : Vigo
Sample Name: 04-056-25
Misc Info :
Vial Number: 70



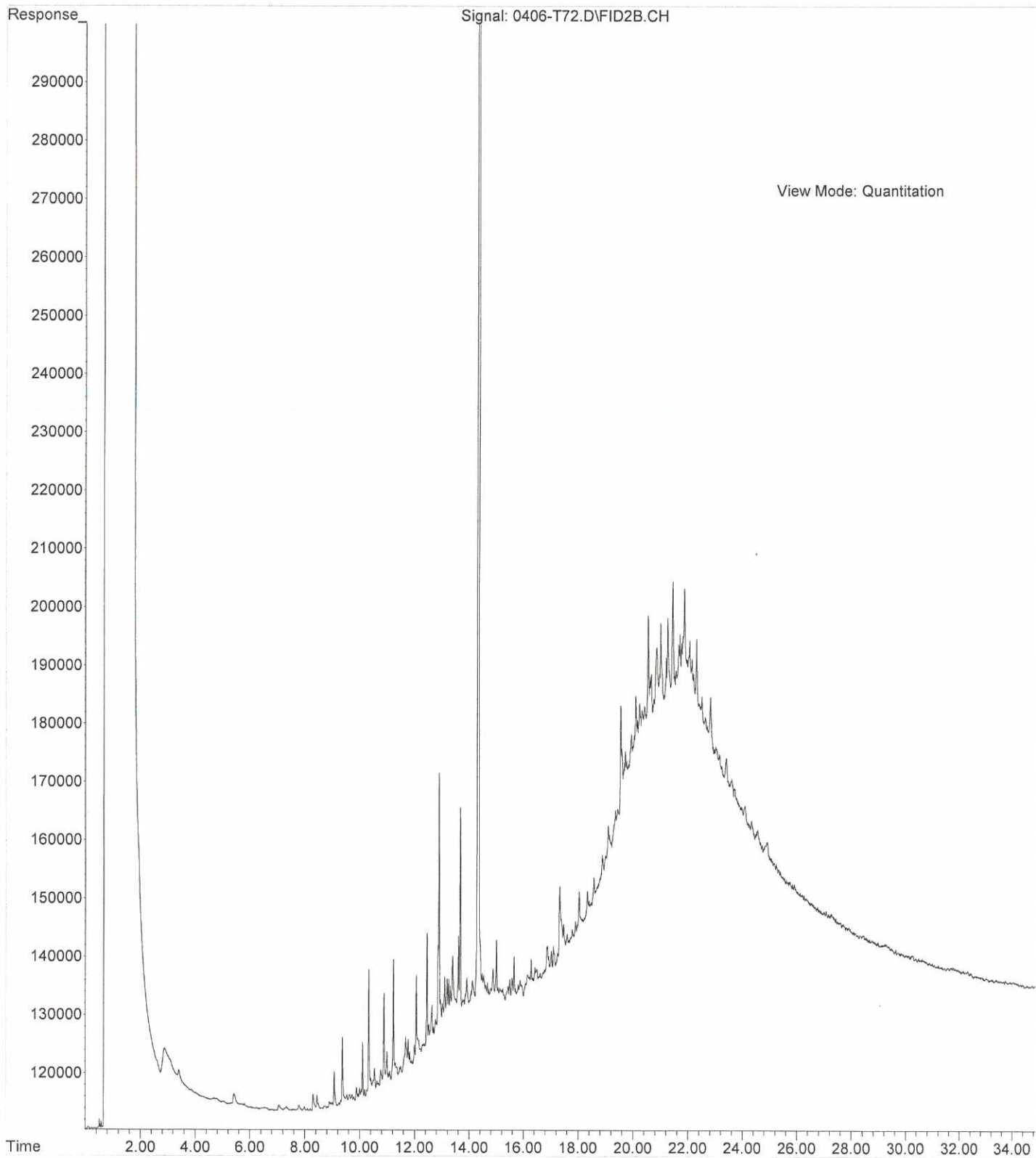
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Instrument : Vigo
Sample Name: 04-056-26
Misc Info :
Vial Number: 71



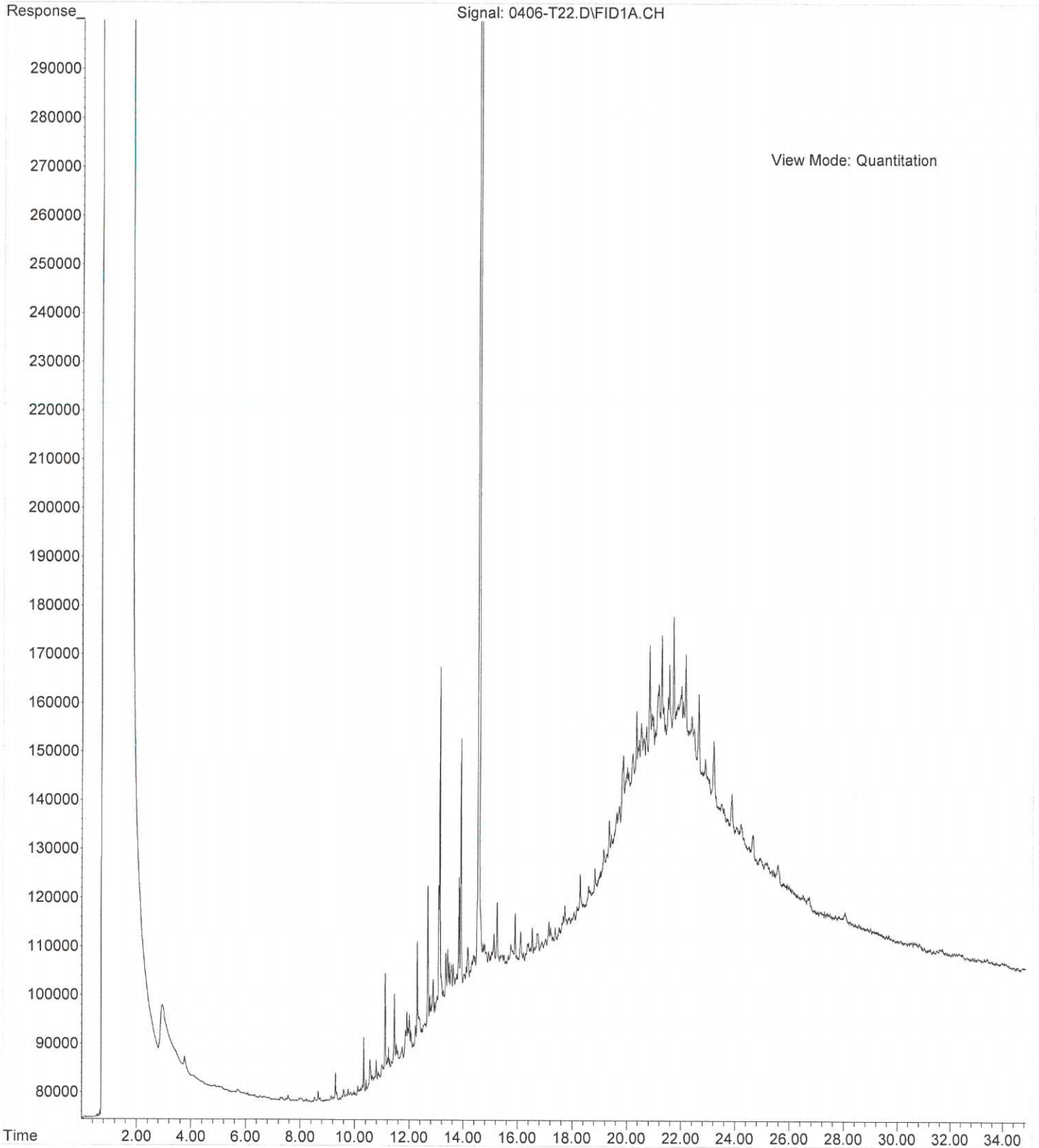
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Instrument : Vigo
Sample Name: 04-056-27
Misc Info :
Vial Number: 21



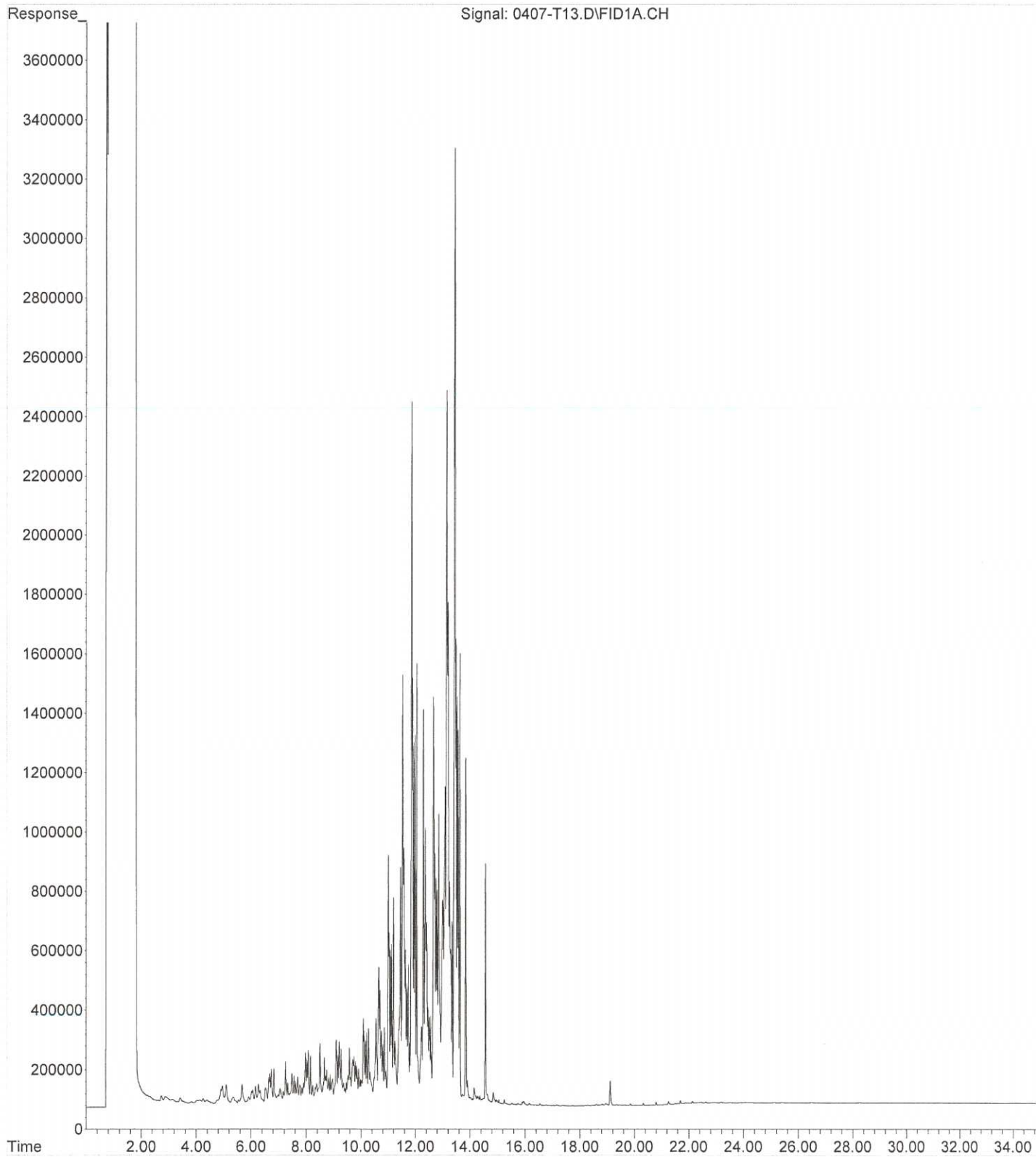
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Operator : ZT
Acquired : 07 Apr 2017 0:21 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-056-31
Misc Info :
Vial Number: 72



File :X:\DIESELS\TERI\DATA\T170406\0406-T22.D
Operator : ZT
Acquired : 07 Apr 2017 0:21 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-056-32
Misc Info :
Vial Number: 22



File :X:\DIESELS\TERI\DATA\T170407\0407-T13.D
Operator : ZT
Acquired : 07 Apr 2017 20:22 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-056-33 10X
Misc Info :
Vial Number: 13





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 11, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-057

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 5, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-057
Project: 1001-002

Case Narrative

Samples were collected on April 5, 2017 and received by the laboratory on April 5, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-057
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | EW-Trench-3-5.0 | | | | | |
| Laboratory ID: | 04-057-01 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| Lube Oil Range Organics | ND | 57 | NWTPH-Dx | 4-6-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 84 | 50-150 | | | | |
| Client ID: | EW-Trench-4-10.0 | | | | | |
| Laboratory ID: | 04-057-02 | | | | | |
| Diesel Range Organics | 7700 | 280 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| Lube Oil Range Organics | ND | 550 | NWTPH-Dx | 4-6-17 | 4-7-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| | | | | | | S |
| Client ID: | EW-Trench2-5-5.0 | | | | | |
| Laboratory ID: | 04-057-03 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 71 | 50-150 | | | | |
| Client ID: | STP-2-5 | | | | | |
| Laboratory ID: | 04-057-04 | | | | | |
| Diesel Range Organics | 3200 | 290 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 2000 | 580 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| | | | | | | S |
| Client ID: | STP-3-4 | | | | | |
| Laboratory ID: | 04-057-05 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 78 | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 102 | 50-150 | | | | |
| Client ID: | STP-3-5 | | | | | |
| Laboratory ID: | 04-057-06 | | | | | |
| Diesel Range Organics | 84 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 200 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 84 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-057
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-5-2 | | | | | |
| Laboratory ID: | 04-057-07 | | | | | |
| Diesel Range Organics | 130 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 560 | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 104 | 50-150 | | | | |
| Client ID: | STP-5-3 | | | | | |
| Laboratory ID: | 04-057-08 | | | | | |
| Diesel Range Organics | ND | 29 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 58 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 81 | 50-150 | | | | |
| Client ID: | STP-5-3-1 | | | | | |
| Laboratory ID: | 04-057-09 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 88 | 50-150 | | | | |
| Client ID: | EW-Trench2-6-9.0 | | | | | |
| Laboratory ID: | 04-057-10 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 79 | 50-150 | | | | |
| Client ID: | EW-Trench2-7-5.0 | | | | | |
| Laboratory ID: | 04-057-11 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 82 | 50-150 | | | | |
| Client ID: | EW-Trench2-8-6.0 | | | | | |
| Laboratory ID: | 04-057-12 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 101 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-057
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-6-1 | | | | | |
| Laboratory ID: | 04-057-13 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 86 | 50-150 | | | | |
| Client ID: | STP-6-2 | | | | | |
| Laboratory ID: | 04-057-14 | | | | | |
| Diesel Range Organics | 76 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 180 | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 94 | 50-150 | | | | |
| Client ID: | STP-6-3 | | | | | |
| Laboratory ID: | 04-057-15 | | | | | |
| Diesel Range Organics | 42 | 28 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil | 56 | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 83 | 50-150 | | | | |
| Client ID: | STP-7-1 | | | | | |
| Laboratory ID: | 04-057-16 | | | | | |
| Diesel Range Organics | 130 | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 94 | 50-150 | | | | |
| Client ID: | STP-7-2 | | | | | |
| Laboratory ID: | 04-057-17 | | | | | |
| Diesel Range Organics | 110 | 26 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | STP-7-3 | | | | | |
| Laboratory ID: | 04-057-18 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 72 | 50-150 | | | | |



Date of Report: April 11, 2017
 Samples Submitted: April 5, 2017
 Laboratory Reference: 1704-057
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0406S1 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-6-17 | 4-6-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 91 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-057-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range | ND | ND | NA | NA | NA | NA | NA | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 84 | 80 | 50-150 | | |
| Laboratory ID: | 04-057-02 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 6990 | 4910 | NA | NA | NA | NA | 35 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | S,S | |



Date of Report: April 11, 2017
Samples Submitted: April 5, 2017
Laboratory Reference: 1704-057
Project: 1001-002

% MOISTURE

Date Analyzed: 4-6-17

| Client ID | Lab ID | % Moisture |
|-------------------|-----------|------------|
| EW-Trench-3-5.0 | 04-057-01 | 12 |
| EW-Trench-4-10.0 | 04-057-02 | 10 |
| EW-Trench-5-5.0 | 04-057-03 | 10 |
| STP-2-5 | 04-057-04 | 14 |
| STP-3-4 | 04-057-05 | 7 |
| STP-3-5 | 04-057-06 | 8 |
| STP-5-2 | 04-057-07 | 7 |
| STP-5-3 | 04-057-08 | 13 |
| STP-5-3-1 | 04-057-09 | 10 |
| EW-Trench-2-6-9.0 | 04-057-10 | 10 |
| EW-Trench-2-7-5.0 | 04-057-11 | 7 |
| EW-Trench-2-8-6.0 | 04-057-12 | 9 |
| STP-6-1 | 04-057-13 | 7 |
| STP-6-2 | 04-057-14 | 8 |
| STP-6-3 | 04-057-15 | 10 |
| STP-7-1 | 04-057-16 | 7 |
| STP-7-2 | 04-057-17 | 5 |
| STP-7-3 | 04-057-18 | 9 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

Company: Farallon
Project Number: 1001-COR
Project Name: Coleman Oil
Project Manager: Paul Graham
Sampled by: J. Ruank

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-057**

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|-----------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|
| | | | | | | 1 | EW-Trench-3-5.0 | 4/5/17 | 0834 | S | 1 | | | | X | | | | | | | | | |
| 2 | EW-Trench-4-10.0 | | 0854 | | 1 | | | | X | | | | | | | | | | | | | | | |
| 3 | EW-Trench 2-5-5.0 | | 0920 | | | | | | X | | | | | | | | | | | | | | | |
| 4 | STP-2-5 | | 1033 | | | | | | X | | | | | | | | | | | | | | | |
| 5 | STP-3-4 | | 1035 | | | | | | X | | | | | | | | | | | | | | | |
| 6 | STP-3-5 | | 1036 | | | | | | X | | | | | | | | | | | | | | | |
| 7 | STP-5-2 | | 1042 | | | | | | X | | | | | | | | | | | | | | | |
| 8 | STA-5-3 | | 1044 | | | | | | X | | | | | | | | | | | | | | | |
| 9 | STP-5-3-1 | | 1044 | | | | | | X | | | | | | | | | | | | | | | |
| 10 | EW-Trench 2-6-9.0 | | 0948 | | | | | | X | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|-----------|---------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------|
| Relinquished | | Farallon | 4/5/17 | 1705 | |
| Received | | Farallon | 4-5-17 | 17:05 | |
| Relinquished | | Farallon | 4-5-17 | 18:00 | |
| Received | | COSE | 4/5/17 | 1800 | |
| Relinquished | | | | | |
| Received | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Company: Farallon

Project Number: 1801-002

Project Name: Colomen Oil

Project Manager: Paul Graboy

Sampled by:

Turnaround Request (in working days)

(Check One)

Same Day 1 Day


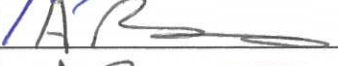

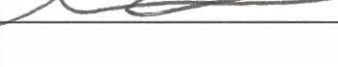

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

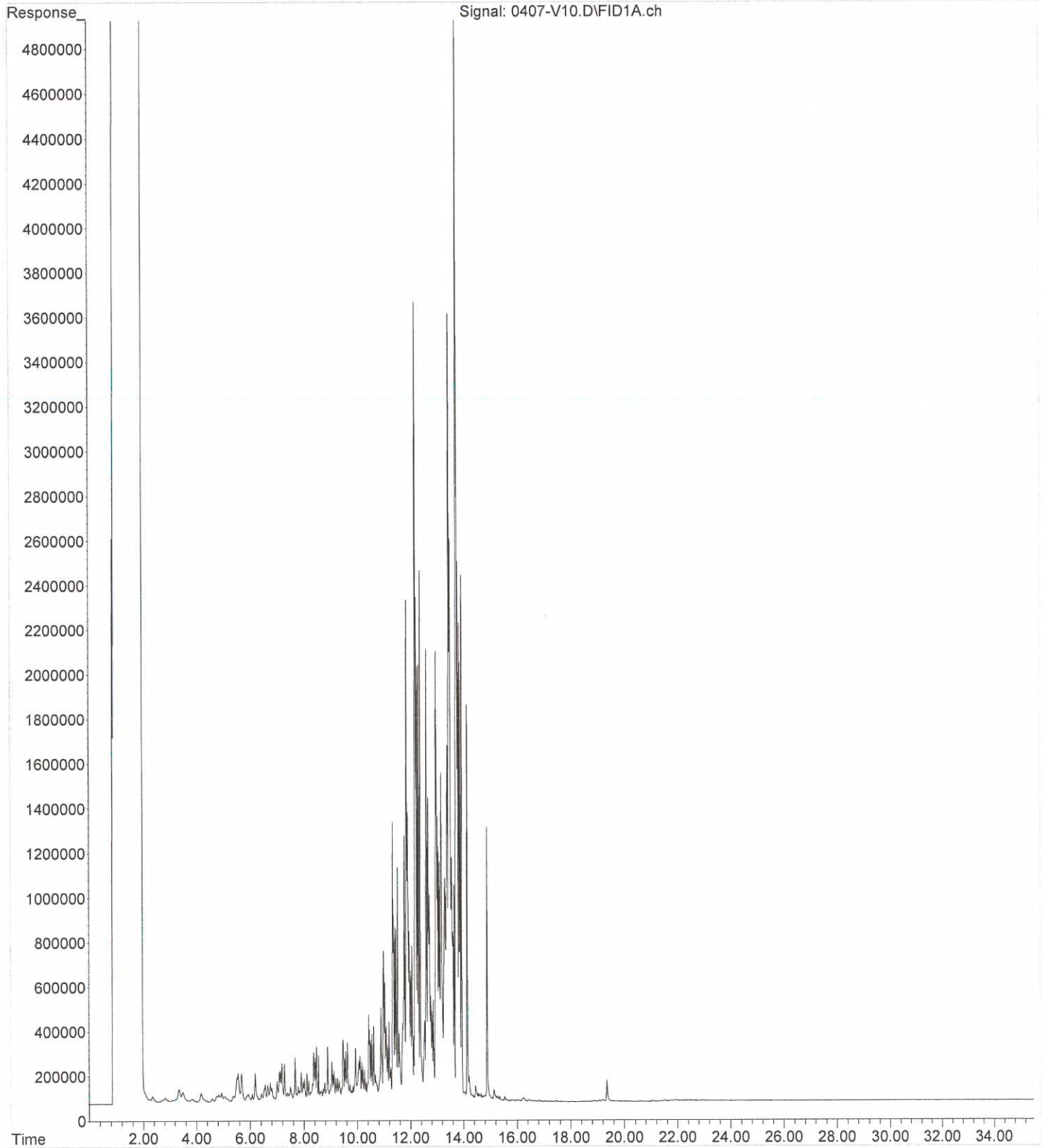
_____ (other)

Laboratory Number: 04-057

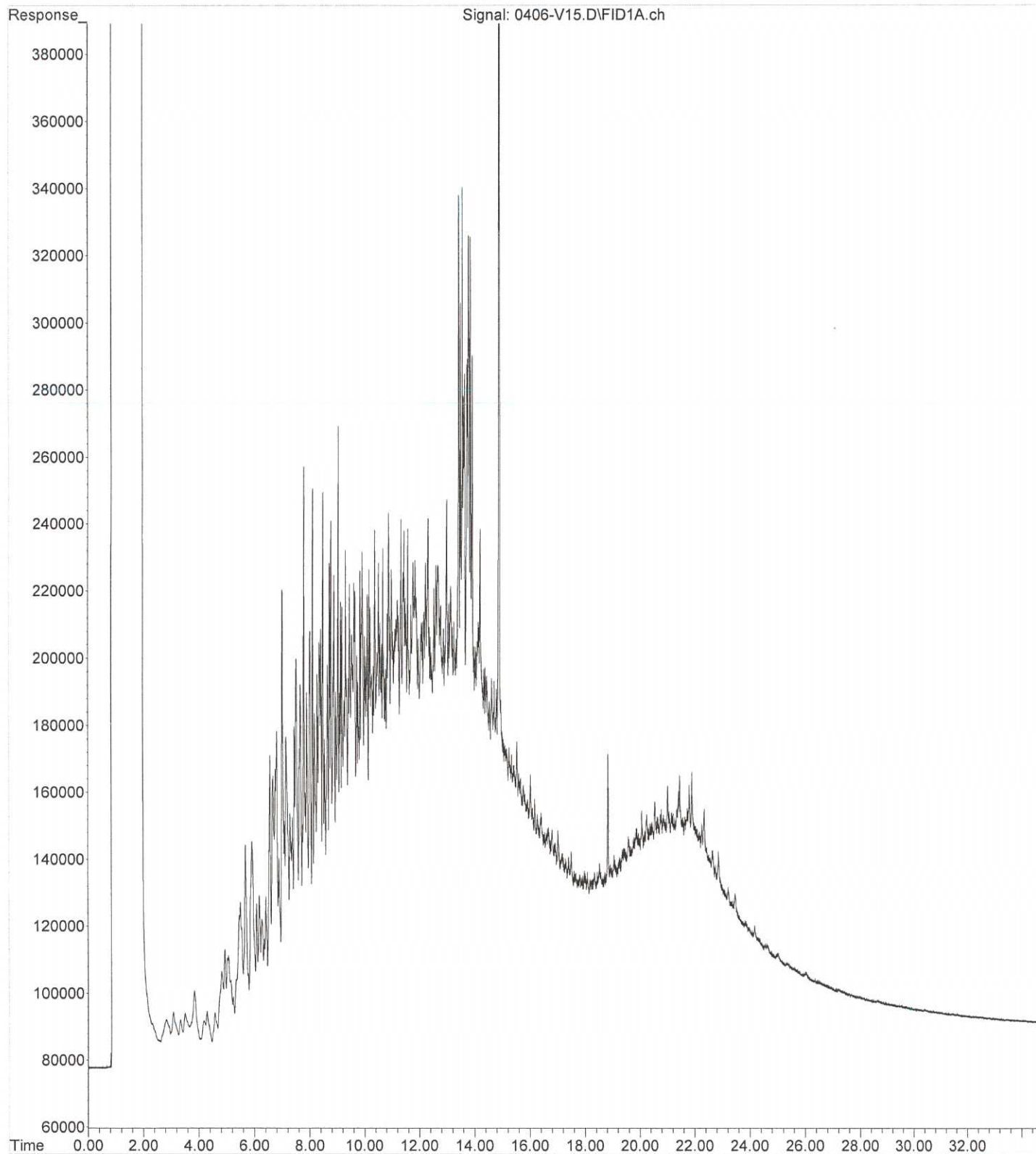
| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-GxBTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|-------------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|
| | | | | | | 11 | EW-Trench 2-7-5.0 | 4/5/17 | 1113 | S | 1 | | | | X | | | | | | | | | |
| 12 | EW-Trench 2-8-6.0 | | 1128 | | | | | | X | | | | | | | | | | | | | | | |
| 13 | STP-6-1 | | 1306 | | | | | | X | | | | | | | | | | | | | | | |
| 14 | STP-6-2 | | 1309 | | | | | | X | | | | | | | | | | | | | | | |
| 15 | STP-6-3 | | 1308 | | | | | | X | | | | | | | | | | | | | | | |
| 16 | STP-7-1 | | 1347 | | | | | | X | | | | | | | | | | | | | | | |
| 17 | STP-7-2 | | 1348 | | | | | | X | | | | | | | | | | | | | | | |
| 18 | STP-7-3 | | 1349 | | | | | | X | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------|
| Relinquished |  | Farallon | 4/5/17 | 1716 | |
| Received |  | Farallon | 4-5-17 | 17:10 | |
| Relinquished |  | Farallon | 4-5-17 | 18:00 | |
| Received |  |  | 4/5/17 | 1800 | |
| Relinquished | | | | | |
| Received | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

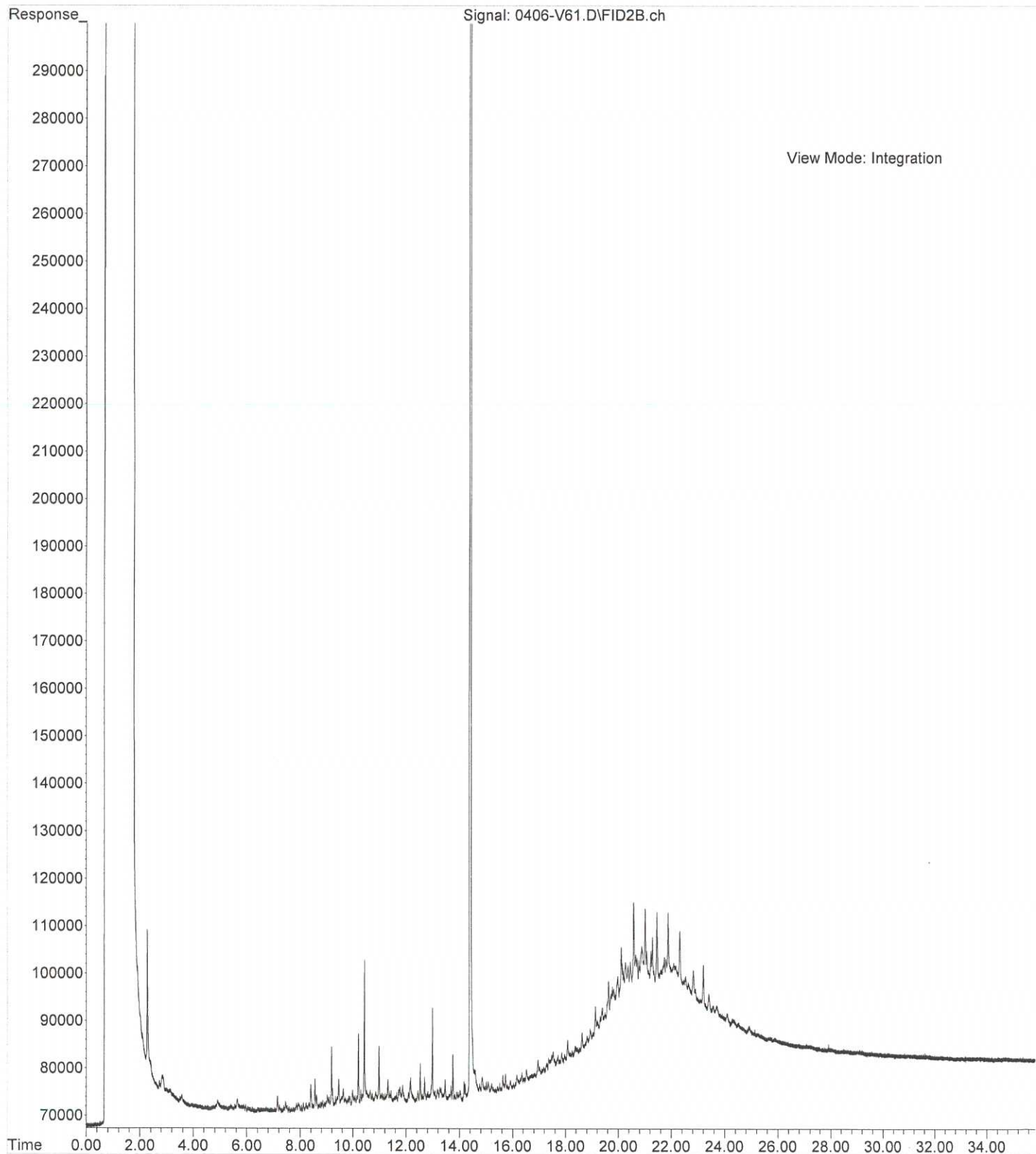
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Instrument : Vigo
Sample Name: 04-057-02 10X
Misc Info :
Vial Number: 10



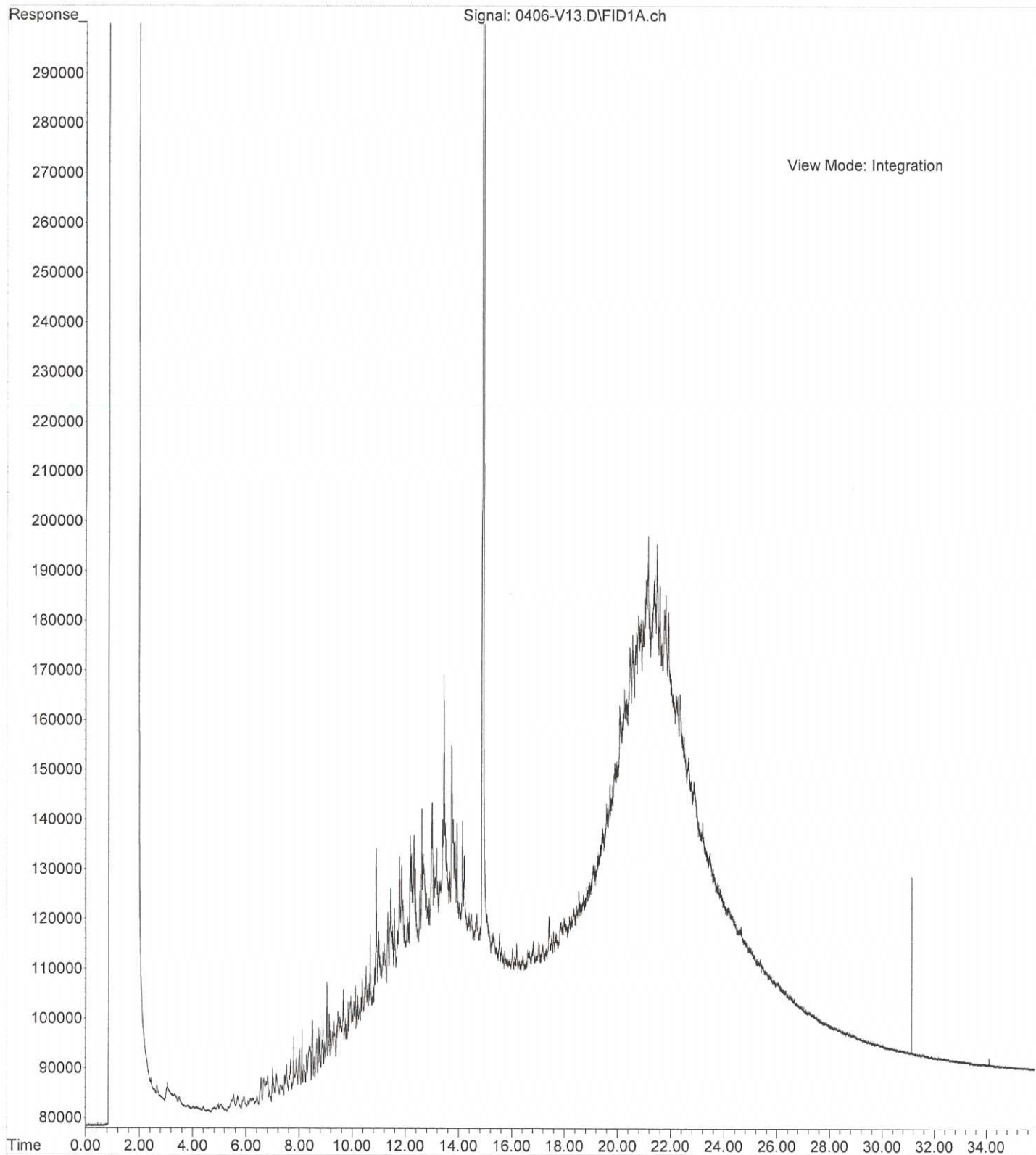
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Operator :
Acquired : 6 Apr 2017 19:16 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-057-04 10X
Misc Info :
Vial Number: 15



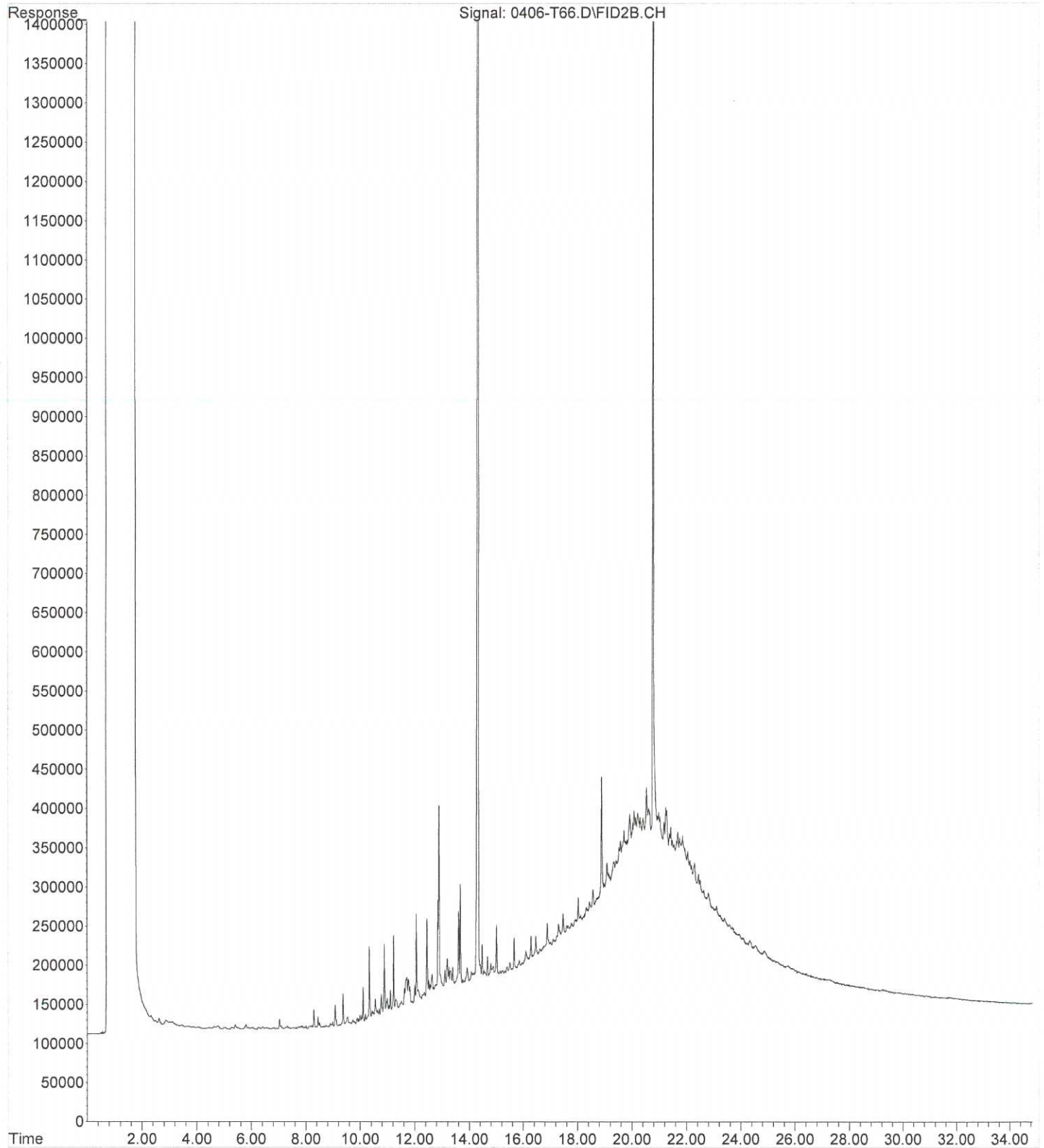
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Operator :
Acquired : 6 Apr 2017 16:36 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-057-05
Misc Info :
Vial Number: 61



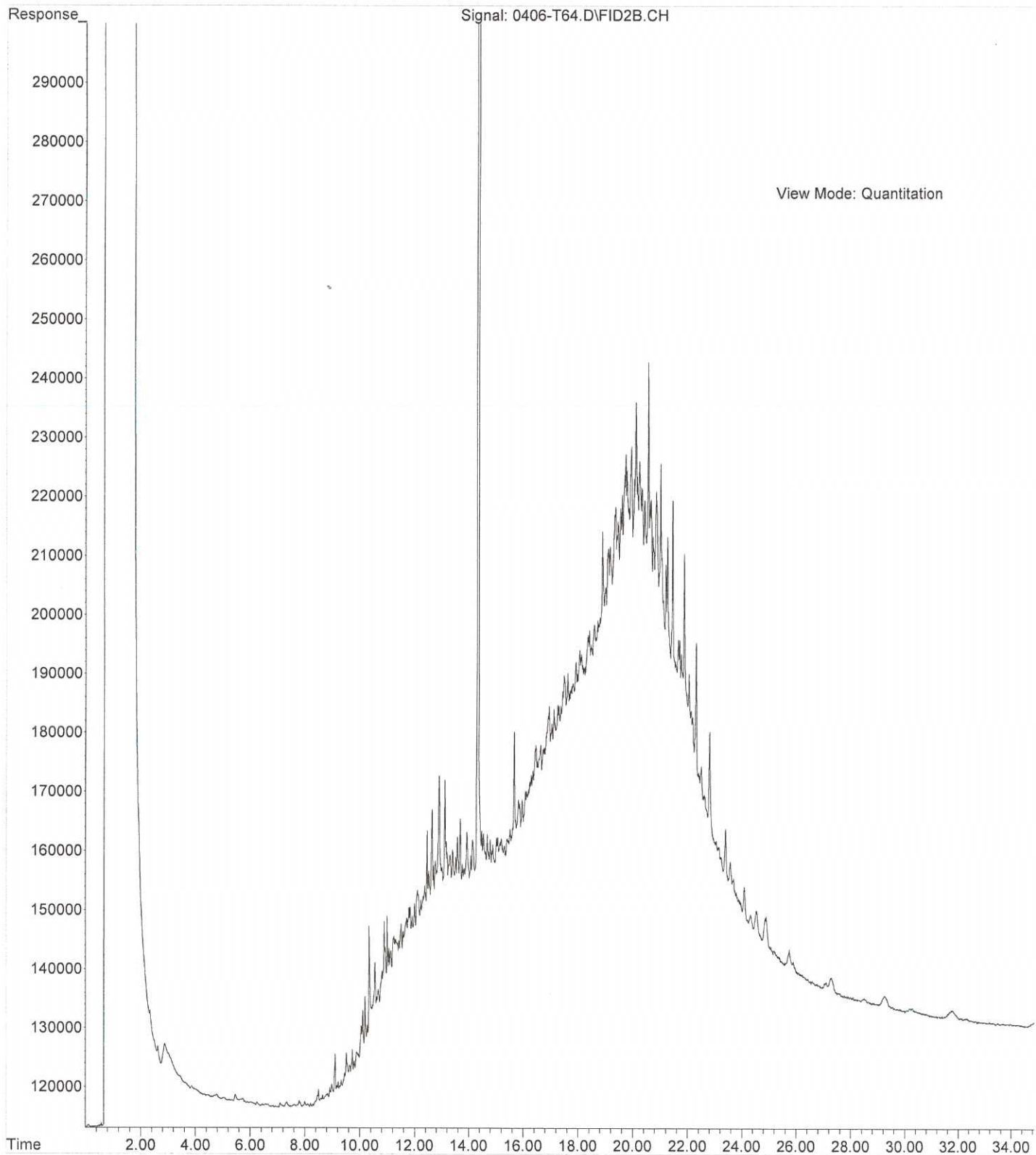
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Operator :
Acquired : 6 Apr 2017 17:56 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-057-06
Misc Info :
Vial Number: 13



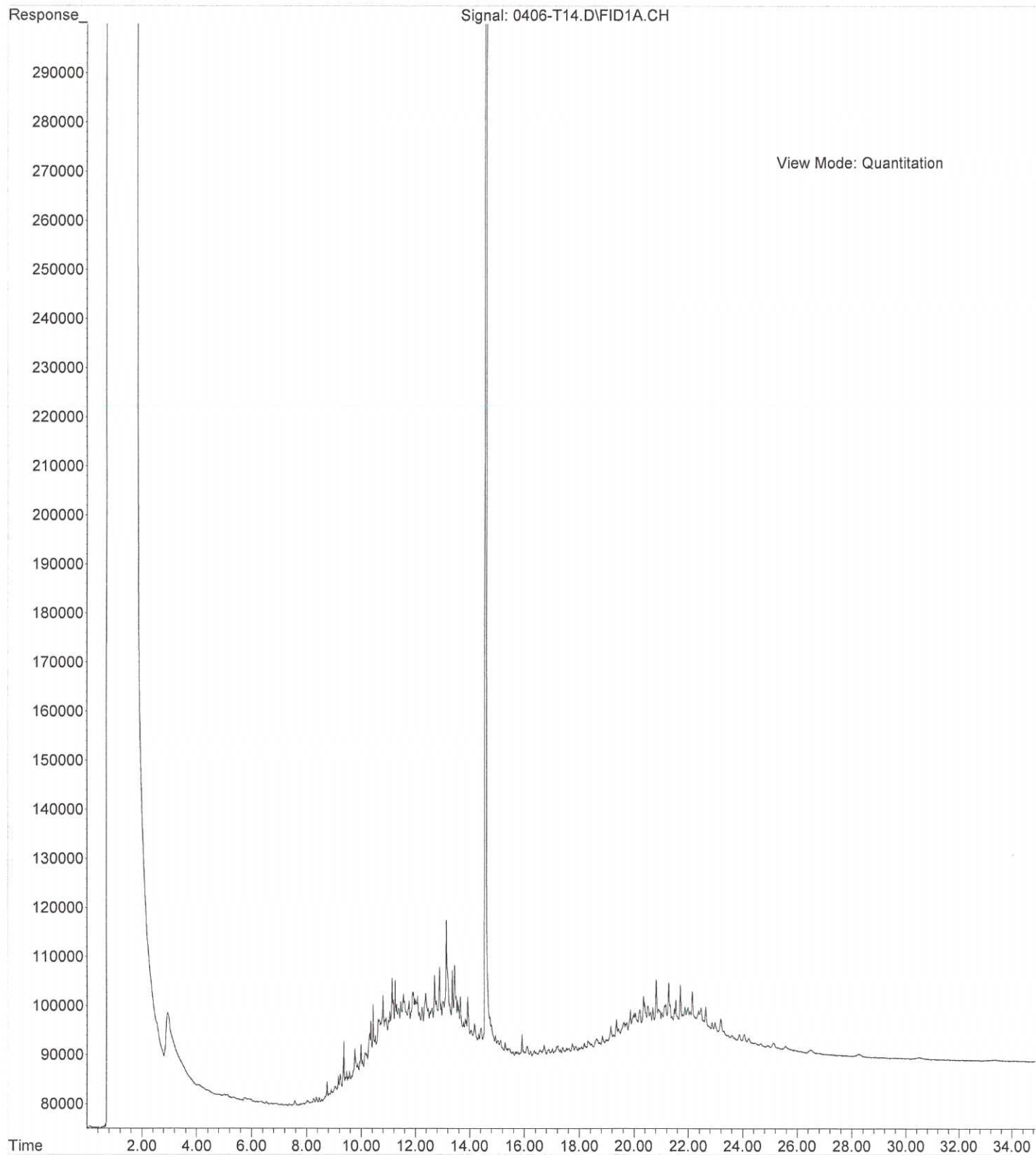
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Operator : ZT
Acquired : 06 Apr 2017 20:04 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-057-07
Misc Info :
Vial Number: 66



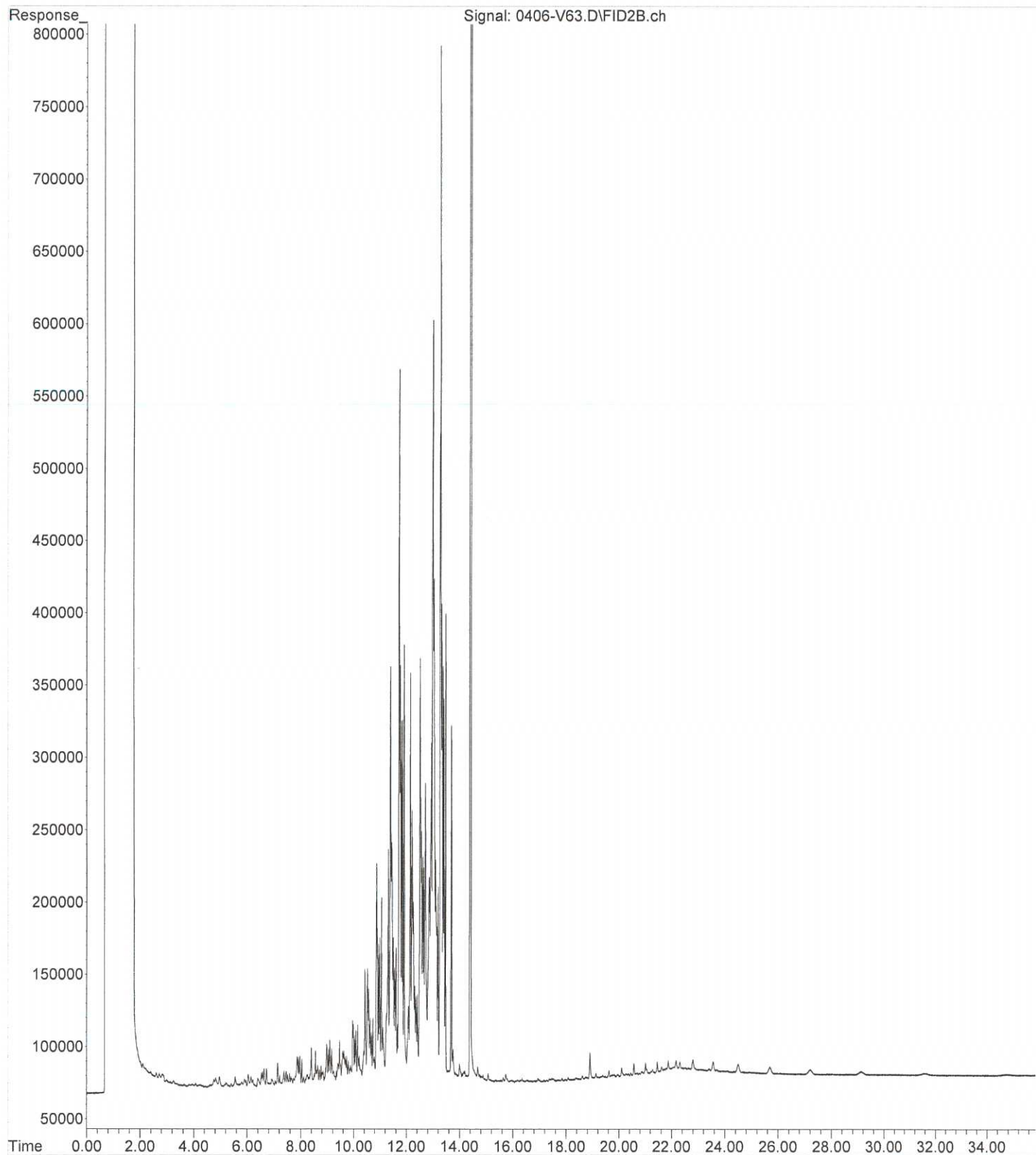
File :X:\DIESELS\TERI\DATA\T170406.SEC\0406-T64.D
Operator : ZT
Acquired : 06 Apr 2017 18:39 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-057-14
Misc Info :
Vial Number: 64



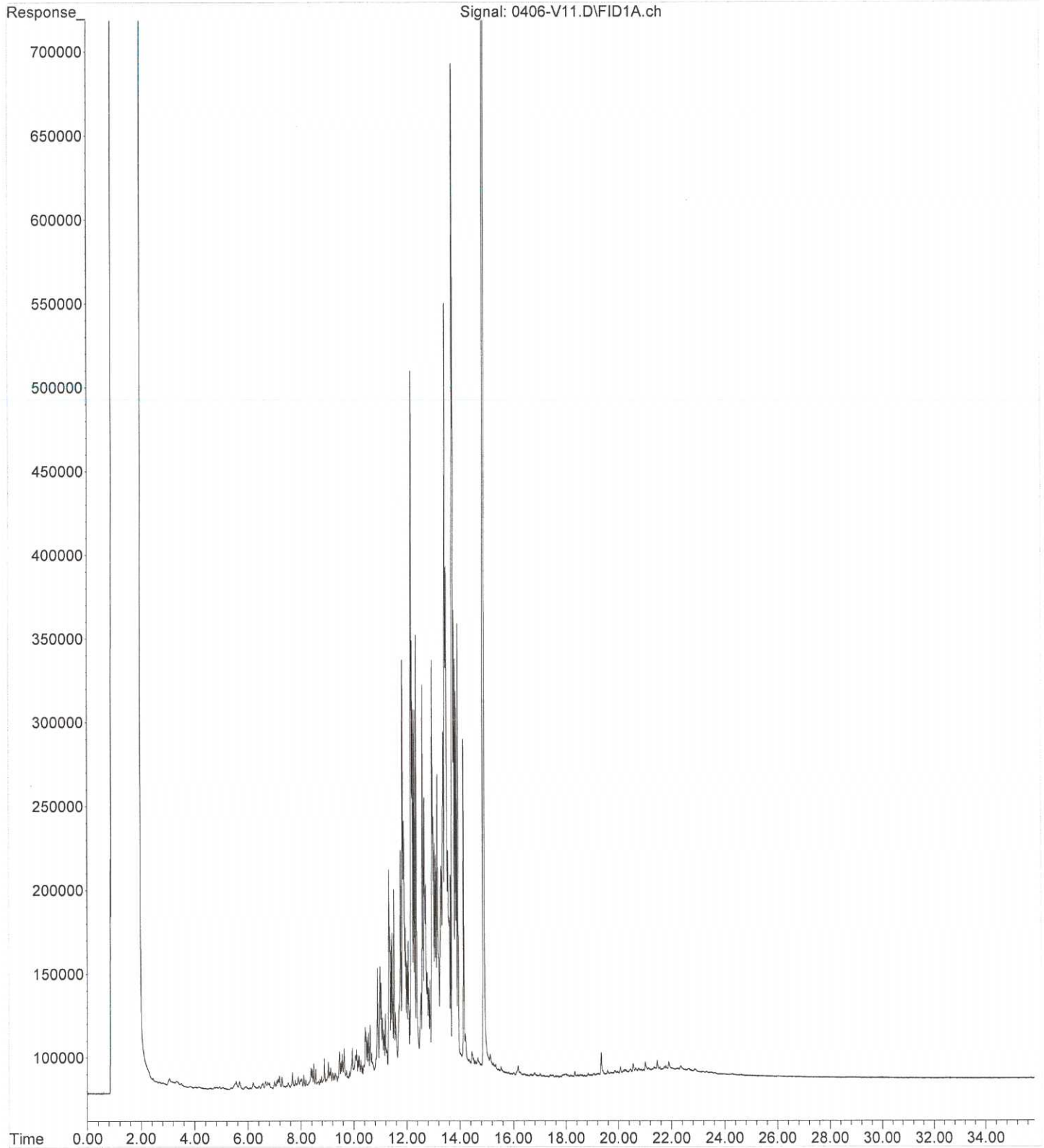
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Operator : ZT
Acquired : 06 Apr 2017 18:39 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 014-057-15
Misc Info :
Vial Number: 14



File :X:\DIESELS\VIGO\DATA\V170406.SEC\0406-V63.D
Operator :
Acquired : 6 Apr 2017 17:56 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-057-16
Misc Info :
Vial Number: 63



File :X:\DIESELS\VIGO\DATA\V170406\0406-V11.D
Operator :
Acquired : 6 Apr 2017 16:36 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-057-17
Misc Info :
Vial Number: 11





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 14, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-097

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 8, 2017

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 14, 2017
Samples Submitted: April 8, 2017
Laboratory Reference: 1704-097
Project: 1001-002

Case Narrative

Samples were collected on April 6 and 7, 2017 and received by the laboratory on April 8, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Method 5035A VOA vials were not provided for sample STP-10-4. The sample was therefore extracted from a 4-ounce jar for analysis. Some loss of volatiles may have occurred.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FS-EX-1-6.0 | | | | | |
| Laboratory ID: | 04-097-01 | | | | | |
| Benzene | 0.089 | 0.021 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | 0.74 | 0.10 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 2.4 | 0.10 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 4.9 | 0.10 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | 2.2 | 0.10 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | 540 | 10 | NWTPH-Gx | 4-10-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 74 | 63-124 | | | | |
| Client ID: | FS-EX-4-8.0 | | | | | |
| Laboratory ID: | 04-097-05 | | | | | |
| Benzene | 0.050 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | 0.071 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 3.9 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 8.5 | 0.49 | EPA 8021B | 4-10-17 | 4-13-17 | |
| o-Xylene | 4.2 | 0.49 | EPA 8021B | 4-10-17 | 4-13-17 | |
| Gasoline | 1300 | 49 | NWTPH-Gx | 4-10-17 | 4-13-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 78 | 63-124 | | | | |
| Client ID: | STP-8-1 | | | | | |
| Laboratory ID: | 04-097-07 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.4 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 100 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | STP-9-3 | | | | | |
| Laboratory ID: | 04-097-12 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.052 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.052 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.052 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.052 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.2 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 100 | 63-124 | | | | |
| Client ID: | STP-9-3-1 | | | | | |
| Laboratory ID: | 04-097-13 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.051 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.051 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.051 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.051 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.1 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 98 | 63-124 | | | | |
| Client ID: | FB-3-9.0-040617 | | | | | |
| Laboratory ID: | 04-097-15 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.054 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.4 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 86 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-3-12.5-040617 | | | | | |
| Laboratory ID: | 04-097-16 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 0.68 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 0.59 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.49 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 420 | 4.9 | NWTPH-Gx | 4-10-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 75 | 63-124 | | | | |
| Client ID: | FB-3-13.5-040617 | | | | | |
| Laboratory ID: | 04-097-17 | | | | | |
| Benzene | 0.046 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 2.5 | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 3.1 | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | 0.93 | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | 940 | 42 | NWTPH-Gx | 4-10-17 | 4-13-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 71 | 63-124 | | | | |
| Client ID: | FB-3-15.0-040617 | | | | | |
| Laboratory ID: | 04-097-18 | | | | | |
| Benzene | 0.028 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 1.2 | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 0.98 | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 2.2 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 380 | 4.4 | NWTPH-Gx | 4-10-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 76 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-5-13.5-040617 | | | | | |
| Laboratory ID: | 04-097-20 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.042 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.2 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 77 | 63-124 | | | | |
| Client ID: | FB-5-15.0-040617 | | | | | |
| Laboratory ID: | 04-097-21 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.4 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 77 | 63-124 | | | | |
| Client ID: | FB-5-17.0-040617 | | | | | |
| Laboratory ID: | 04-097-22 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.048 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.048 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.048 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.048 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.8 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 77 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-6-12.0-040617 | | | | | |
| Laboratory ID: | 04-097-26 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.7 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 75 | 63-124 | | | | |
| Client ID: | FB-7-13.0-040617 | | | | | |
| Laboratory ID: | 04-097-28 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.049 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.049 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.049 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.049 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 4.9 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 82 | 63-124 | | | | |
| Client ID: | FB-7-23.0-040617 | | | | | |
| Laboratory ID: | 04-097-31 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.7 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 80 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-8-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-34 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-13-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-13-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-13-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-10-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 71 | 63-124 | | | | |
| Client ID: | FB-9-6.9-040717 | | | | | |
| Laboratory ID: | 04-097-35 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.047 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 4.7 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 83 | 63-124 | | | | |
| Client ID: | FB-9-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-36 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 0.63 | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 0.48 | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.50 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 330 | 5.0 | NWTPH-Gx | 4-10-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 77 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------|--------------------------|-------|-----------|---------------|---------------|-------|
| Client ID: | FB-10-12.8-040717 | | | | | |
| Laboratory ID: | 04-097-39 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 0.59 | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 0.99 | 0.044 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.44 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 880 | 22 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |

Surrogate: Percent Recovery Control Limits
Fluorobenzene 80 63-124

| | | | | | | |
|-------------------|--------------------------|-------|-----------|---------|---------|----|
| Client ID: | FB-10-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-40 | | | | | |
| Benzene | 0.080 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.055 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | 0.52 | 0.055 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 2.1 | 0.055 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 11 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 860 | 28 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |

Surrogate: Percent Recovery Control Limits
Fluorobenzene 84 63-124



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | STP-10-1 | | | | | |
| Laboratory ID: | 04-097-42 | | | | | |
| Benzene | 0.044 | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | 0.18 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 0.46 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | 1.6 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 2.7 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 720 | 48 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 103 | 63-124 | | | | |
| Client ID: | STP-10-2 | | | | | |
| Laboratory ID: | 04-097-43 | | | | | |
| Benzene | 0.040 | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | 0.27 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 0.39 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | 2.8 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 3.0 | 0.048 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 650 | 48 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 99 | 63-124 | | | | |
| Client ID: | STP-10-3 | | | | | |
| Laboratory ID: | 04-097-44 | | | | | |
| Benzene | 0.070 | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | 0.36 | 0.056 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 1.1 | 0.056 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | 4.9 | 0.056 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 1.8 | 0.056 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 770 | 56 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 106 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|--------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | STP-10-4 | | | | | |
| Laboratory ID: | 04-097-45 | | | | | |
| Benzene | 0.046 | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | 0.17 | 0.062 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 0.29 | 0.062 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | 1.9 | 0.062 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 2.5 | 0.062 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 950 | 62 | NWTPH-Gx | 4-10-17 | 4-11-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>104</i> | <i>63-124</i> | | | | |
| Client ID: | FB-9-10.0-040717 | | | | | |
| Laboratory ID: | 04-097-47 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>81</i> | <i>63-124</i> | | | | |
| Client ID: | FB-10-17.1-040717 | | | | | |
| Laboratory ID: | 04-097-48 | | | | | |
| Benzene | 0.086 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.25 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Ethyl Benzene | 0.58 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 3.0 | 0.049 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 4.9 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 910 | 49 | NWTPH-Gx | 4-10-17 | 4-13-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>79</i> | <i>63-124</i> | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|--------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | FB-10-17.3-040717 | | | | | |
| Laboratory ID: | 04-097-49 | | | | | |
| Benzene | 0.13 | 0.020 | EPA 8021B | 4-10-17 | 4-12-17 | |
| Toluene | ND | 0.27 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Ethyl Benzene | 1.3 | 0.054 | EPA 8021B | 4-10-17 | 4-12-17 | |
| m,p-Xylene | 2.2 | 0.054 | EPA 8021B | 4-10-17 | 4-12-17 | |
| o-Xylene | ND | 2.7 | EPA 8021B | 4-10-17 | 4-12-17 | U1 |
| Gasoline | 530 | 5.4 | NWTPH-Gx | 4-10-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 83 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Gx/BTEX
 METHOD BLANK QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Laboratory ID: MB0410S2 | | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 85 | 63-124 | | | | |
| Laboratory ID: MB0410S3 | | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 88 | 63-124 | | | | |
| Laboratory ID: MB0410S4 | | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 87 | 63-124 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Gx/BTEX
 DUPLICATE QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | | Spike Level | | Source | Percent | Recovery | RPD | RPD | Flags |
|--------------------------|--------|--------|-------------|--------|--------|----------|----------|--------|-----|-------|
| | Result | Result | Result | Result | Result | Recovery | Limits | RPD | | |
| Laboratory ID: 04-025-28 | | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Benzene | ND | ND | NA | NA | | NA | NA | 11 | 30 | |
| Toluene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Ethyl Benzene | 0.0451 | 0.0499 | NA | NA | | NA | NA | 10 | 30 | |
| m,p-Xylene | ND | 0.0393 | NA | NA | | NA | NA | NA | 30 | |
| o-Xylene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Gasoline | 11.0 | 12.1 | NA | NA | | NA | NA | 10 | 30 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | | 85 | 86 | 63-124 | | |
| Laboratory ID: 04-097-28 | | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Benzene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Toluene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Ethyl Benzene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| m,p-Xylene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| o-Xylene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Gasoline | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | | 82 | 79 | 63-124 | | |
| Laboratory ID: 04-097-15 | | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Benzene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Toluene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Ethyl Benzene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| m,p-Xylene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| o-Xylene | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| Gasoline | ND | ND | NA | NA | | NA | NA | NA | 30 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | | 86 | 80 | 63-124 | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Gx/BTEX
 SPIKE BLANKS QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | | Spike Level | | Source | Percent | Recovery | RPD | | Flags |
|-------------------------|--------------|--------------|-------------|------|--------|-----------|-----------|--------|-------|-------|
| | SB | SBD | SB | SBD | Result | Recovery | Limits | RPD | Limit | |
| Laboratory ID: SB0410S1 | | | | | | | | | | |
| Benzene | 0.888 | 0.900 | 1.00 | 1.00 | | 89 | 90 | 70-124 | 1 | 12 |
| Toluene | 0.908 | 0.922 | 1.00 | 1.00 | | 91 | 92 | 73-119 | 2 | 12 |
| Ethyl Benzene | 0.928 | 0.941 | 1.00 | 1.00 | | 93 | 94 | 74-117 | 1 | 12 |
| m,p-Xylene | 0.917 | 0.933 | 1.00 | 1.00 | | 92 | 93 | 75-117 | 2 | 13 |
| o-Xylene | 0.918 | 0.938 | 1.00 | 1.00 | | 92 | 94 | 75-116 | 2 | 12 |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | | 87 | 86 | 63-124 | | |
| Laboratory ID: SB0410S2 | | | | | | | | | | |
| Benzene | 0.888 | 0.891 | 1.00 | 1.00 | | 89 | 89 | 70-124 | 0 | 12 |
| Toluene | 0.929 | 0.935 | 1.00 | 1.00 | | 93 | 94 | 73-119 | 1 | 12 |
| Ethyl Benzene | 0.935 | 0.934 | 1.00 | 1.00 | | 94 | 93 | 74-117 | 0 | 12 |
| m,p-Xylene | 0.956 | 0.943 | 1.00 | 1.00 | | 96 | 94 | 75-117 | 1 | 13 |
| o-Xylene | 0.946 | 0.937 | 1.00 | 1.00 | | 95 | 94 | 75-116 | 1 | 12 |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | | 87 | 85 | 63-124 | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------|--------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-9-Recon-040717 | | | | | |
| Laboratory ID: | 04-097-37 | | | | | |
| Benzene | 2.4 | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 3.7 | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 1.7 | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 1200 | 100 | NWTPH-Gx | 4-10-17 | 4-10-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Fluorobenzene | 101 | 61-118 | | | | |

| | | | | | | |
|-------------------|---------------------------|-----------------------|-----------|---------|---------|---|
| Client ID: | FB-10-Recon-040717 | | | | | |
| Laboratory ID: | 04-097-41 | | | | | |
| Benzene | 71 | 4.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | 13 | 4.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | 7.1 | 4.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | 53 | 4.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | 11 | 4.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | 2000 | 400 | NWTPH-Gx | 4-10-17 | 4-10-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Fluorobenzene | 103 | 61-118 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0410W1 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-10-17 | 4-10-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 104 | 61-118 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-045-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 104 | 105 | 61-118 | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|----------|------|------|------|-----|-----|--------|---|----|
| Laboratory ID: | SB0410W1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 54.0 | 53.2 | 50.0 | 50.0 | 108 | 106 | 79-120 | 1 | 11 |
| Toluene | 55.4 | 53.6 | 50.0 | 50.0 | 111 | 107 | 79-118 | 3 | 12 |
| Ethyl Benzene | 54.2 | 53.1 | 50.0 | 50.0 | 108 | 106 | 80-117 | 2 | 12 |
| m,p-Xylene | 54.5 | 53.3 | 50.0 | 50.0 | 109 | 107 | 80-117 | 2 | 12 |
| o-Xylene | 54.5 | 53.3 | 50.0 | 50.0 | 109 | 107 | 80-116 | 2 | 11 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | 106 | 102 | 61-118 | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | FS-EX-1-6.0 | | | | | |
| Laboratory ID: | 04-097-01 | | | | | |
| Diesel Range Organics | 8700 | 270 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 550 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | FS-EX-2-4.0 | | | | | |
| Laboratory ID: | 04-097-02 | | | | | |
| Diesel Range Organics | 42000 | 290 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | 2200 | 580 | NWTPH-Dx | 4-10-17 | 4-12-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | FS-EX-2-4.0-1 | | | | | |
| Laboratory ID: | 04-097-03 | | | | | |
| Diesel Range Organics | 45000 | 290 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | 2500 | 580 | NWTPH-Dx | 4-10-17 | 4-12-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | FS-EX-3-2.0 | | | | | |
| Laboratory ID: | 04-097-04 | | | | | |
| Diesel Range Organics | 69000 | 1400 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | 5600 | 2900 | NWTPH-Dx | 4-10-17 | 4-12-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | FS-EX-4-8.0 | | | | | |
| Laboratory ID: | 04-097-05 | | | | | |
| Diesel Range Organics | 12000 | 270 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 660 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | FS-EX-5-11.0 | | | | | |
| Laboratory ID: | 04-097-06 | | | | | |
| Diesel Range Organics | 24000 | 280 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 730 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-8-1 | | | | | |
| Laboratory ID: | 04-097-07 | | | | | |
| Diesel Range Organics | 110 | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | N |
| Lube Oil Range Organics | 300 | 55 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 131 | 50-150 | | | | |
| Client ID: | STP-8-2 | | | | | |
| Laboratory ID: | 04-097-08 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 118 | 50-150 | | | | |
| Client ID: | STP-8-3 | | | | | |
| Laboratory ID: | 04-097-09 | | | | | |
| Diesel Range Organics | 59 | 28 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil | 170 | 56 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | STP-9-1 | | | | | |
| Laboratory ID: | 04-097-10 | | | | | |
| Diesel Range Organics | ND | 26 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 109 | 50-150 | | | | |
| Client ID: | STP-9-2 | | | | | |
| Laboratory ID: | 04-097-11 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 101 | 50-150 | | | | |
| Client ID: | STP-9-3 | | | | | |
| Laboratory ID: | 04-097-12 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 92 | 50-150 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-9-3-1 | | | | | |
| Laboratory ID: | 04-097-13 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 109 | 50-150 | | | | |
| Client ID: | FB-3-9.0-040617 | | | | | |
| Laboratory ID: | 04-097-15 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |
| Client ID: | FB-3-12.5-040617 | | | | | |
| Laboratory ID: | 04-097-16 | | | | | |
| Diesel Range Organics | 4000 | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 110 | NWTPH-Dx | 4-10-17 | 4-11-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 143 | 50-150 | | | | |
| Client ID: | FB-3-13.5-040617 | | | | | |
| Laboratory ID: | 04-097-17 | | | | | |
| Diesel Range Organics | 14000 | 270 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 610 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | FB-3-15.0-040617 | | | | | |
| Laboratory ID: | 04-097-18 | | | | | |
| Diesel Range Organics | 2300 | 29 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | 150 | 58 | NWTPH-Dx | 4-10-17 | 4-11-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 75 | 50-150 | | | | |
| Client ID: | FB-5-13.5-040617 | | | | | |
| Laboratory ID: | 04-097-20 | | | | | |
| Diesel Range Organics | ND | 26 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 51 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 95 | 50-150 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | FB-5-15.0-040617 | | | | | |
| Laboratory ID: | 04-097-21 | | | | | |
| Diesel Range Organics | ND | 26 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 52 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 92 | 50-150 | | | | |
| Client ID: | FB-5-17.0-040617 | | | | | |
| Laboratory ID: | 04-097-22 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 104 | 50-150 | | | | |
| Client ID: | FB-6-12.0-040617 | | | | | |
| Laboratory ID: | 04-097-26 | | | | | |
| Diesel Range Organics | ND | 120 | NWTPH-Dx | 4-10-17 | 4-11-17 | U1 |
| Lube Oil | 1100 | 52 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 119 | 50-150 | | | | |
| Client ID: | FB-7-13.0-040617 | | | | | |
| Laboratory ID: | 04-097-28 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 111 | 50-150 | | | | |
| Client ID: | FB-7-23.0-040617 | | | | | |
| Laboratory ID: | 04-097-31 | | | | | |
| Diesel Range Organics | 40 | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | N |
| Lube Oil | 440 | 54 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 31 | 50-150 | | | | |
| Client ID: | FB-8-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-34 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 96 | 50-150 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|--------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | FB-9-6.9-040717 | | | | | |
| Laboratory ID: | 04-097-35 | | | | | |
| Diesel Range Organics | 1100 | 26 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | 350 | 52 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 91 | 50-150 | | | | |
| Client ID: | FB-9-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-36 | | | | | |
| Diesel Range Organics | 440 | 29 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | 180 | 57 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 94 | 50-150 | | | | |
| Client ID: | FB-10-12.8-040717 | | | | | |
| Laboratory ID: | 04-097-39 | | | | | |
| Diesel Range Organics | 4300 | 270 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 610 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | FB-10-14.0-040717 | | | | | |
| Laboratory ID: | 04-097-40 | | | | | |
| Diesel Range Organics | 5900 | 300 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil | 1800 | 600 | NWTPH-Dx | 4-10-17 | 4-12-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | STP-10-1 | | | | | |
| Laboratory ID: | 04-097-42 | | | | | |
| Diesel Range Organics | 17000 | 280 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 1000 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | STP-10-2 | | | | | |
| Laboratory ID: | 04-097-43 | | | | | |
| Diesel Range Organics | 15000 | 290 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 870 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|--------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-10-3 | | | | | |
| Laboratory ID: | 04-097-44 | | | | | |
| Diesel Range Organics | 15000 | 310 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 640 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | STP-10-4 | | | | | |
| Laboratory ID: | 04-097-45 | | | | | |
| Diesel Range Organics | 19000 | 290 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 870 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | STP-10-5 | | | | | |
| Laboratory ID: | 04-097-46 | | | | | |
| Diesel Range Organics | 22000 | 300 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 1300 | NWTPH-Dx | 4-10-17 | 4-12-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |
| Client ID: | FB-9-10.0-040717 | | | | | |
| Laboratory ID: | 04-097-47 | | | | | |
| Diesel Range Organics | 60 | 27 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 53 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 115 | 50-150 | | | | |
| Client ID: | FB-10-17.1-040717 | | | | | |
| Laboratory ID: | 04-097-48 | | | | | |
| Diesel Range Organics | 1300 | 29 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | 270 | 59 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 92 | 50-150 | | | | |
| Client ID: | FB-10-17.3-040717 | | | | | |
| Laboratory ID: | 04-097-49 | | | | | |
| Diesel Range Organics | 8200 | 290 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 580 | NWTPH-Dx | 4-10-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0410S1 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 105 | 50-150 | | | | |

METHOD BLANK

| | | | | | | |
|-------------------------|-------------------------|-----------------------|----------|---------|---------|--|
| Laboratory ID: | MB0410S3 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 123 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|--------------|--------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-097-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 7920 | 7310 | NA | NA | NA | NA | 8 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | | S,S |
| Laboratory ID: | 04-097-02 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 36400 | 22000 | NA | NA | NA | NA | 49 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | U1, |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | | S,S |
| Laboratory ID: | 04-097-45 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 16600 | 9690 | NA | NA | NA | NA | 53 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | U1, |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | | S,S |
| Laboratory ID: | 04-097-49 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 7040 | 6470 | NA | NA | NA | NA | 8 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | --- | 50-150 | | S,S |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|---------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | FB-9-Recon-040717 | | | | | |
| Laboratory ID: | 04-097-37 | | | | | |
| Diesel Range Organics | 2.9 | 0.26 | NWTPH-Dx | 4-10-17 | 4-10-17 | |
| Lube Oil Range Organics | 1.2 | 0.41 | NWTPH-Dx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 96 | 50-150 | | | | |
| Client ID: | FB-10-Recon-040717 | | | | | |
| Laboratory ID: | 04-097-41 | | | | | |
| Diesel Range Organics | 57 | 2.6 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| Lube Oil Range Organics | ND | 4.1 | NWTPH-Dx | 4-10-17 | 4-11-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0410W1 | | | | | |
| Diesel Range Organics | ND | 0.25 | NWTPH-Dx | 4-10-17 | 4-10-17 | |
| Lube Oil Range Organics | ND | 0.40 | NWTPH-Dx | 4-10-17 | 4-10-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 76 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-------------------------|-------------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-091-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Fuel #2 | 122 | 2.10 | NA | NA | NA | NA | 193 | NA |
| Lube Oil Range Organics | 6.98 | 1.03 | NA | NA | NA | NA | 149 | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | --- | 96 | 50-150 | | S |



Date of Report: April 14, 2017
 Samples Submitted: April 8, 2017
 Laboratory Reference: 1704-097
 Project: 1001-002

% MOISTURE

Date Analyzed: 4-11-17

| Client ID | Lab ID | % Moisture |
|------------------|-----------|------------|
| FS-EX-1-6.0 | 04-097-01 | 9 |
| FS-EX-2-4.0 | 04-097-02 | 14 |
| FS-EX-2-4.0-1 | 04-097-03 | 14 |
| FS-EX-3-2.0 | 04-097-04 | 13 |
| FS-EX-4-8.0 | 04-097-05 | 9 |
| FS-EX-5-11.0 | 04-097-06 | 11 |
| STP-8-1 | 04-097-07 | 9 |
| STP-8-2 | 04-097-08 | 9 |
| STP-8-3 | 04-097-09 | 10 |
| STP-9-1 | 04-097-10 | 5 |
| STP-9-2 | 04-097-11 | 6 |
| STP-9-3 | 04-097-12 | 7 |
| STP-9-3-1 | 04-097-13 | 6 |
| FB-3-9.0-040617 | 04-097-15 | 9 |
| FB-3-12.5-040617 | 04-097-16 | 6 |
| FB-3-13.5-040617 | 04-097-17 | 8 |
| FB-3-15.0-040617 | 04-097-18 | 13 |
| FB-5-13.5-040617 | 04-097-20 | 3 |
| FB-5-15.0-040617 | 04-097-21 | 4 |
| FB-5-17.0-040617 | 04-097-22 | 6 |
| FB-6-12.0-040617 | 04-097-26 | 4 |
| FB-7-13.0-040617 | 04-097-28 | 6 |
| FB-7-23.0-040617 | 04-097-31 | 7 |



Date of Report: April 14, 2017
Samples Submitted: April 8, 2017
Laboratory Reference: 1704-097
Project: 1001-002

% MOISTURE

Date Analyzed: 4-11-17

| Client ID | Lab ID | % Moisture |
|-------------------|-----------|------------|
| FB-8-14.0-040717 | 04-097-34 | 8 |
| FB-9-6.9-040717 | 04-097-35 | 4 |
| FB-9-14.0-040717 | 04-097-36 | 13 |
| FB-10-12.8-040717 | 04-097-39 | 7 |
| FB-10-14.0-040717 | 04-097-40 | 16 |
| STP-10-1 | 04-097-42 | 10 |
| STP-10-2 | 04-097-43 | 15 |
| STP-10-3 | 04-097-44 | 19 |
| STP-10-4 | 04-097-45 | 14 |
| STP-10-5 | 04-097-46 | 18 |
| FB-9-10.0-040717 | 04-097-47 | 6 |
| FB-10-17.1-040717 | 04-097-48 | 15 |
| FB-10-17.3-040717 | 04-097-49 | 14 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

| Turnaround Request (in working days) | | | | | Number of Containers | Laboratory Number: 04-097 | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-----------------------|---------------|--------------|--------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|---------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|---|
| (Check One) | | | | | | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
| Lab ID | Sample Identification | | Date Sampled | Time Sampled | Matrix | | | | | | | | | | | | | | | | | | | |
| 1 | FS-EX-1-6.0 | | 4/6/17 | 1358 | S | 2 | X | X | | | | | | | | | | | | | | | X | |
| 2 | FS-EX-2-4.0 | | | 1359 | | 1 | | X | | | | | | | | | | | | | | | X | |
| 3 | FS-EX-2-4.0-1 | | | 1359 | | 1 | | X | | | | | | | | | | | | | | | | X |
| 4 | FS-EX-3-2.0 | | | 1400 | | 1 | | X | | | | | | | | | | | | | | | | X |
| 5 | FS-EX-4-8.0 | | | 1407 | | 2 | X | X | | | | | | | | | | | | | | | | X |
| 6 | FS-EX-5-11.0 | | | 1415 | | 1 | | X | | | | | | | | | | | | | | | | X |
| 7 | STP-8-1 | | | 1600 | | 2 | X | X | | | | | | | | | | | | | | | | X |
| 8 | STP-8-2 | | | 1602 | | 1 | | X | | | | | | | | | | | | | | | | X |
| 9 | STP-8-3 | | | 1604 | | 1 | | X | | | | | | | | | | | | | | | | X |
| 10 | STP-9-1 | | | 1610 | | 1 | | X | | | | | | | | | | | | | | | | X |
| Signature | | Company | | Date | Time | Comments/Special Instructions | | | | | | | | | | | | | | | | | | |
| Relinquished | | Farallon | | 4/8/17 | 9:55 | ⊗ Added 4/20/17 - DB (3 day TAT) | | | | | | | | | | | | | | | | | | |
| Received | | OSE | | 4.8.17 | 9:55 | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |
| Reviewed/Date | | Reviewed/Date | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | | | | | | | | | | | | | | | | | |

Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Grabau
 Sampled by: J. Ruan/D. Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: 04-097

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx <input type="checkbox"/> Acid / SG Clean-up | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|---|
| | | | | | | 11 | STP-9-2 | 4/6/17 | 7612 | 5 | 1 | | | | X | | | | | | | | | |
| 12 | STP-9-3 | | 7613 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 13 | STP-9-3-1 | | 1613 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 14 | FB-3-6.0-040617 | | 1123 | | 2 | | | | X | | | | | | | | | | | | | | | X |
| 15 | FB-3-9.0-040617 | | 1150 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 16 | FB-3-12.5-040617 | | 1200 | | 3 | | X | | X | | | | | | | | | | | | | | | X |
| 17 | FB-3-13.5-040617 | | 1210 | | 3 | | X | | X | | | | | | | | | | | | | | | X |
| 18 | FB-3-15.0-040617 | | 1220 | | 3 | | X | | X | | | | | | | | | | | | | | | X |
| 19 | FB-5-6.0-040617 | | 1500 | | 2 | | | | | | | | | | | | | | | | | | | X |
| 20 | FB-5-13.5-040617 | | 1515 | | 2 | | X | | X | | | | | | | | | | | | | | | X |

~~X~~ JR Do not run

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|--------------------|---------------|--------|------|-----------------------------------------------------------------------------------------------------------------------|
| Relinquished | <u>Paul Grabau</u> | Farallon | 4/8/17 | 9:55 | |
| Received | <u>D. Aguilar</u> | OSE | 4.8.17 | 9:55 | |
| Relinquished | | | | | |
| Received | | | | | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | Reviewed/Date | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Company: Farallon

Project Number: 1007-002

Project Name: Coleman Dr

Project Manager: Paul Grabau

Sampled by: J. Ruark / D. Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

Laboratory Number:

04-097



| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-GX/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | <u>HOLD</u> | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|-------------|------------|-----|
| 21 | FB-5-15.0-040617 | 4/8/17 | 1526 | S | 2 | | X | X | | | | | | | | | | | | | | | | | X |
| 22 | FB-5-17.0-040617 | | 1533 | | 2 | | X | X | | | | | | | | | | | | | | | | | X |
| 23 | FB-6-6.5-040617 | | 1551 | | 2 | | | | | | | | | | | | | | | | | | X | | |
| 24 | FB-6-9.0-040617 | | 1600 | | 2 | | X | X | | ND | | | | | | | | | | | | | X | | X |
| 25 | FB-6-10.3-040617 | | 1618 | | 2 | | X | X | | ND | | | | | | | | | | | | | X | | X |
| 26 | FB-6-12.0-040617 | | 1634 | | 2 | | (X) | X | | | | | | | | | | | | | | | | | X |
| 27 | FB-7-8.5-040617 | | 1742 | | 2 | | | | | | | | | | | | | | | | | | X | | |
| 28 | FB-7-13.0-040617 | | 1743 | | 2 | | (X) | (X) | | | | | | | | | | | | | | | X | | (X) |
| 29 | FB-7-17.0-040617 | | 1803 | | 2 | | | X | | | | | | | | | | | | | | | X | | X |
| 30 | FB-7-20.0-040617 | | 1805 | | 2 | | | X | | | | | | | | | | | | | | | X | | X |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|--------------------|---------------|--------|------|-----------------------------------------------------------------------------------------------------------------------|
| Relinquished | <u>[Signature]</u> | Farallon | 4/8/17 | 955 | |
| Received | <u>[Signature]</u> | OSE | 4.8.17 | 9:15 | |
| Relinquished | | | | | |
| Received | | | | | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | Reviewed/Date | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Company: <u>Farallon</u> Project Number: <u>1001-002</u> Project Name: <u>Coleman Oil</u> Project Manager: <u>Paul Graham</u> Sampled by: <u>J. Ruark / D. Aguilera</u> | Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) <small>(TPH analysis 5 Days)</small> <input type="checkbox"/> _____ (other) | Laboratory Number: 04-097 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|----------------------|--------|----------------------|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|---|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | FB-7-23.0-040617 | 4/6/17 | 1840 | S | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 32 | FB-8-9.0-040717 | 4/7/17 | 1015 | | 2 | | | | X | | | | | | | | | | | | | | | X |
| 33 | FB-8-13.0-040717 | | 1026 1020 | | 2 | | | | X | | | | | | | | | | | | | | | X |
| 34 | FB-8-14.0-040717 | | 1025 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 35 | FB-9-6.9-040717 | | 1200 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 36 | FB-9-14.0-040717 | | 1230 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 37 | FB-9-Recon-040717 | | 1300 | W | 5 | | X | | X | | | | | | | | | | | | | | | X |
| 38 | FB-10-5.7-040717 | | 1350 | S | 2 | | | | X | | | | | | | | | | | | | | X | X |
| 39 | FB-10-12.8-040717 | | 1420 | | 2 | | X | | X | | | | | | | | | | | | | | | X |
| 40 | FB-10-14.0-040717 | | 1425 | | 2 | | X | | X | | | | | | | | | | | | | | | X |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------|
|  | Farallon | 4/8/17 | 9:55 | |
|  | OSE | 4.8.17 | 9:55 | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | Reviewed/Date | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | |

Chain of Custody

Laboratory Number: **04-097**

Company: Farallon
Project Number: 1001-002
Project Name: Coleman Oil
Project Manager: Paul Graham
Sampled by: J. Ruark / D. Aguilar

Turnaround Request (in working days)
(Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)

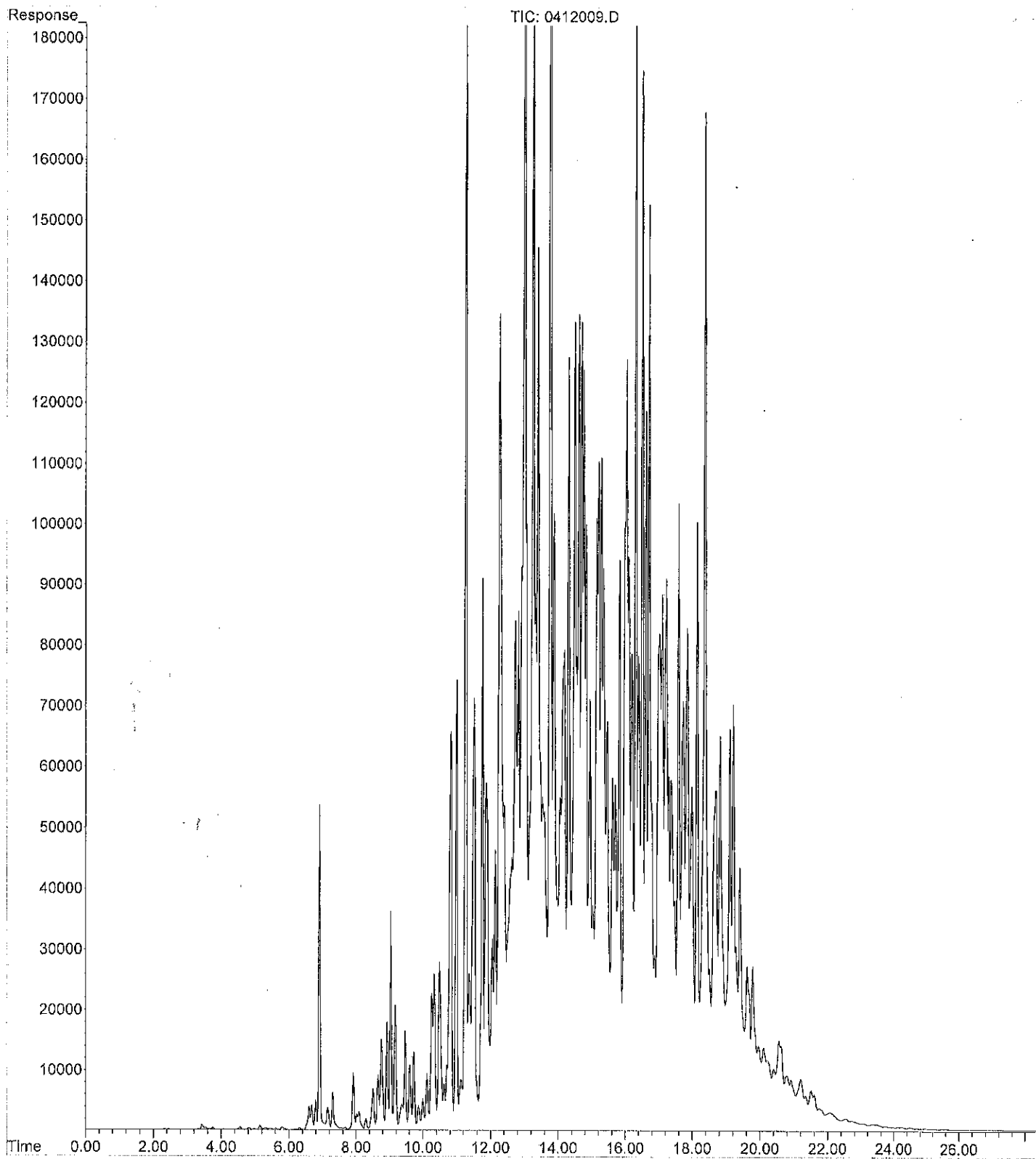
(other)

| Lab ID | Sample Identification | Date | | Matrix | Number of Containers |
|--------|-----------------------|---------|-------------------------|--------|----------------------|
| | | Sampled | Time Sampled | | |
| 41 | FB-10-Recon-040717 | 4/7/17 | 1536 | W | 5 |
| 42 | STP-10-1 | | 1645 | S | 2 |
| 43 | STP-10-2 | | 1642 1646 | | 2 |
| 44 | STP-10-3 | | 1648 | | 2 |
| 45 | STP-10-4 | | 1649 | | 1 |
| 46 | STP-10-5 | | 1651 | | 1 |
| 47 | FB-9-10.0-040717 | 4/7 | 1215 | S | 2 |
| 48 | FB-10-17.1-040717 | | 1443 | JR | 2 |
| 49 | FB-10-17.3-040717 | | 1445 | | |

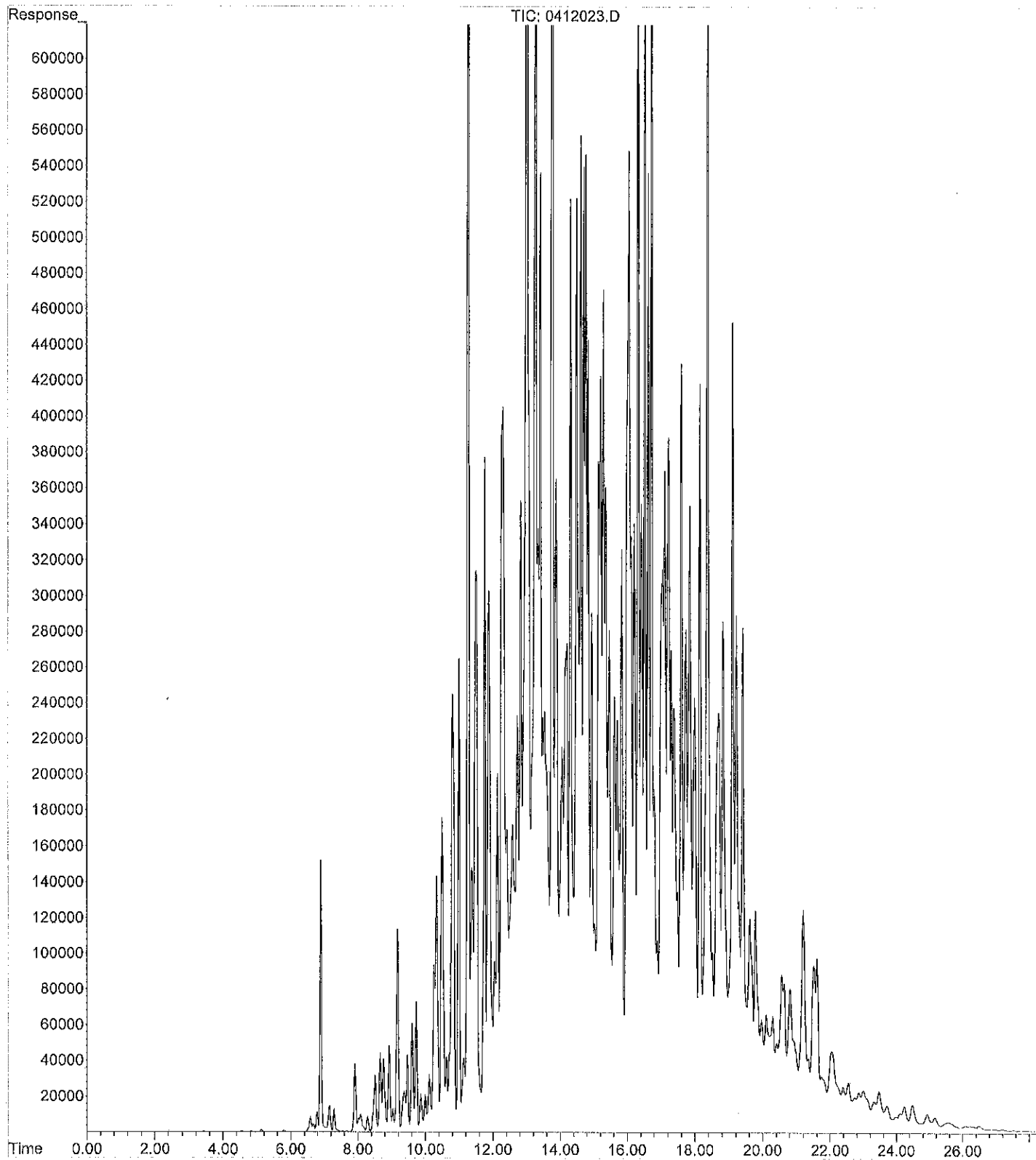
| NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (□ Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total PCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture |
|------------|---------------|----------|---------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |
| X | X | | | | | | | | | | | | | | | | X |

| Signature | Company | Date | Time | Comments/Special Instructions | |
|--------------------|----------|--------|------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <u>[Signature]</u> | Farallon | 4/8/17 | 9:55 | | |
| <u>[Signature]</u> | OSE | 4.8.17 | 9:55 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Reviewed/Date | | | | Reviewed/Date | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

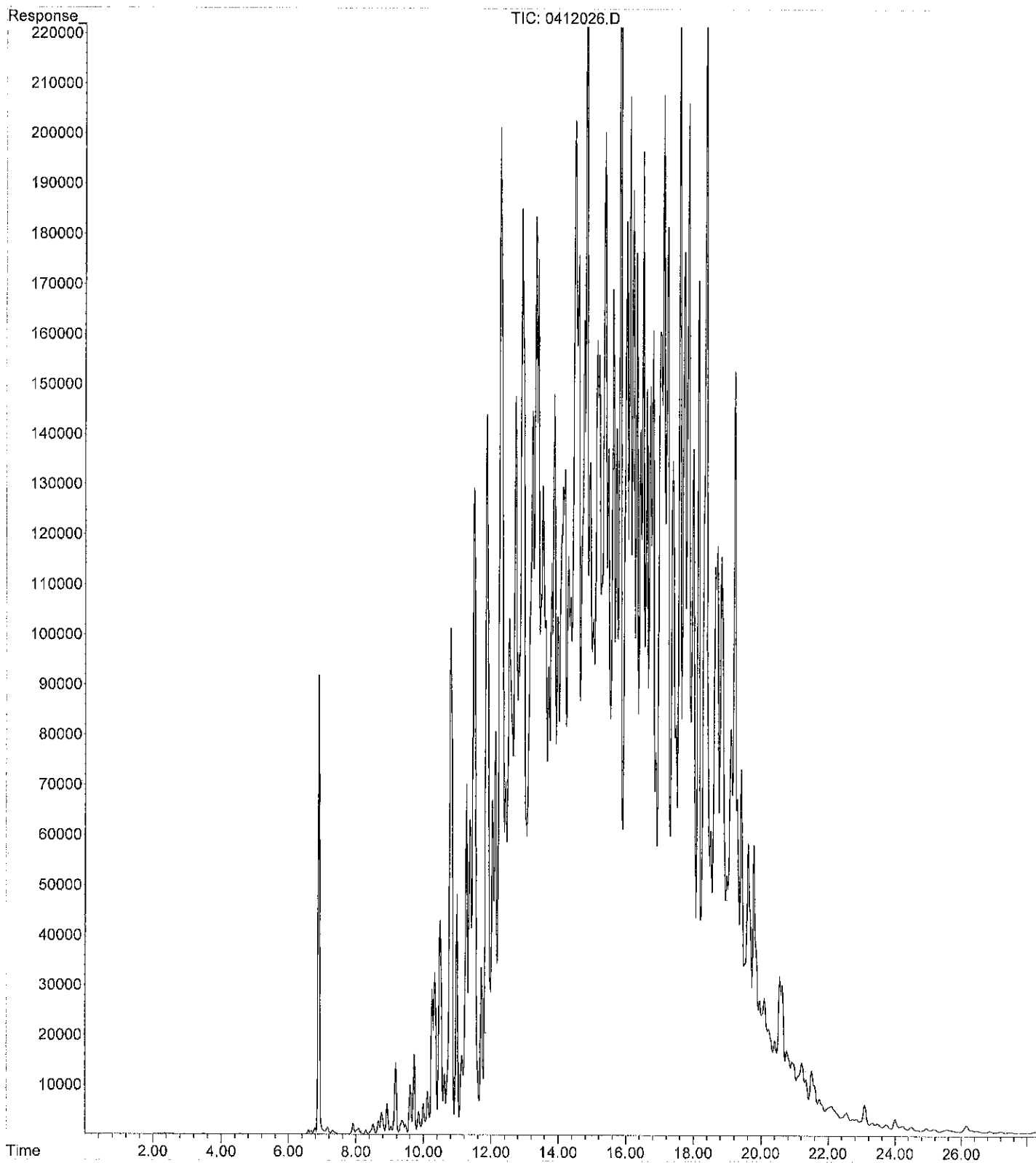
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Misc Info :
Vial Number: 9



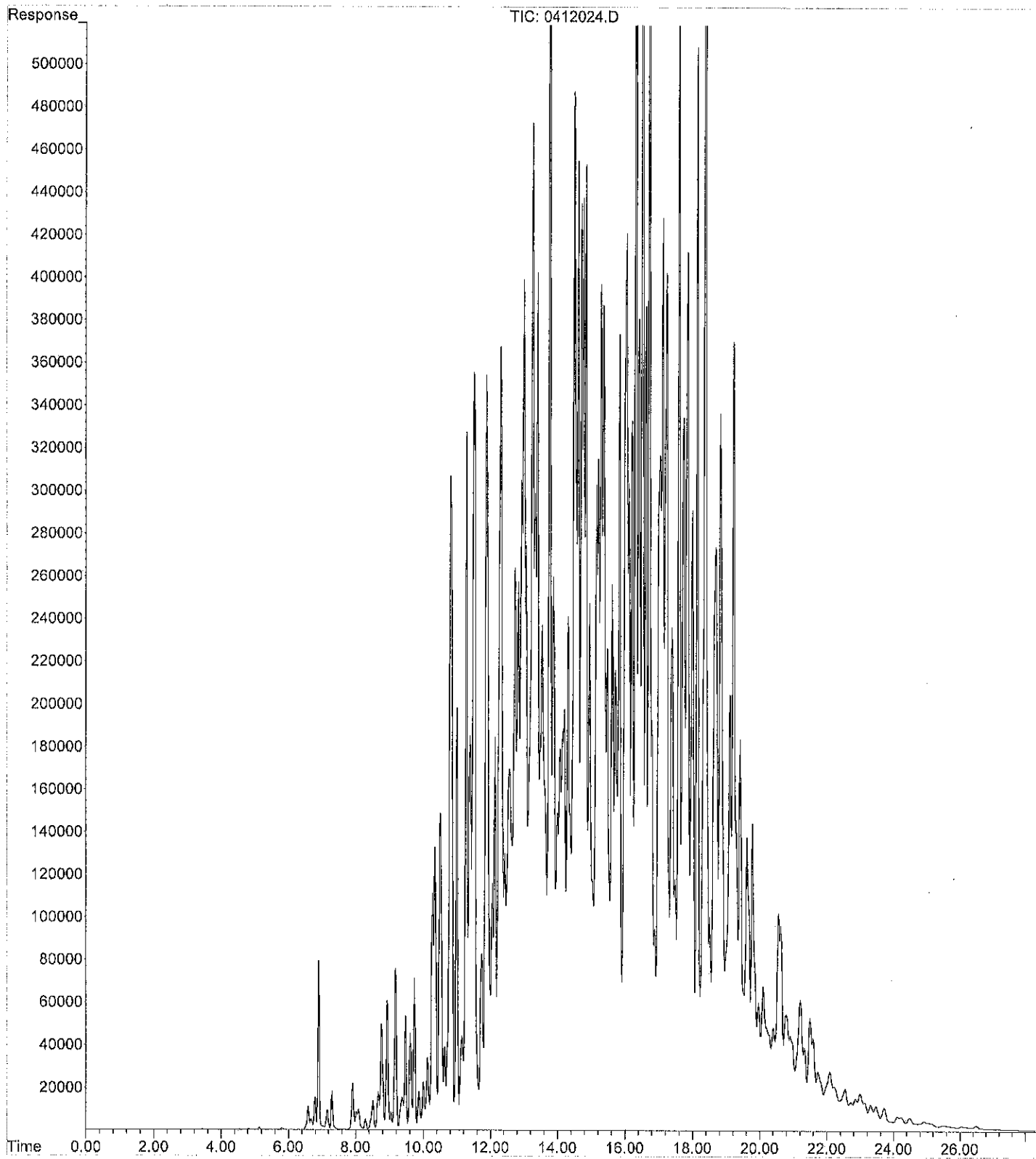
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Misc Info :
Vial Number: 23



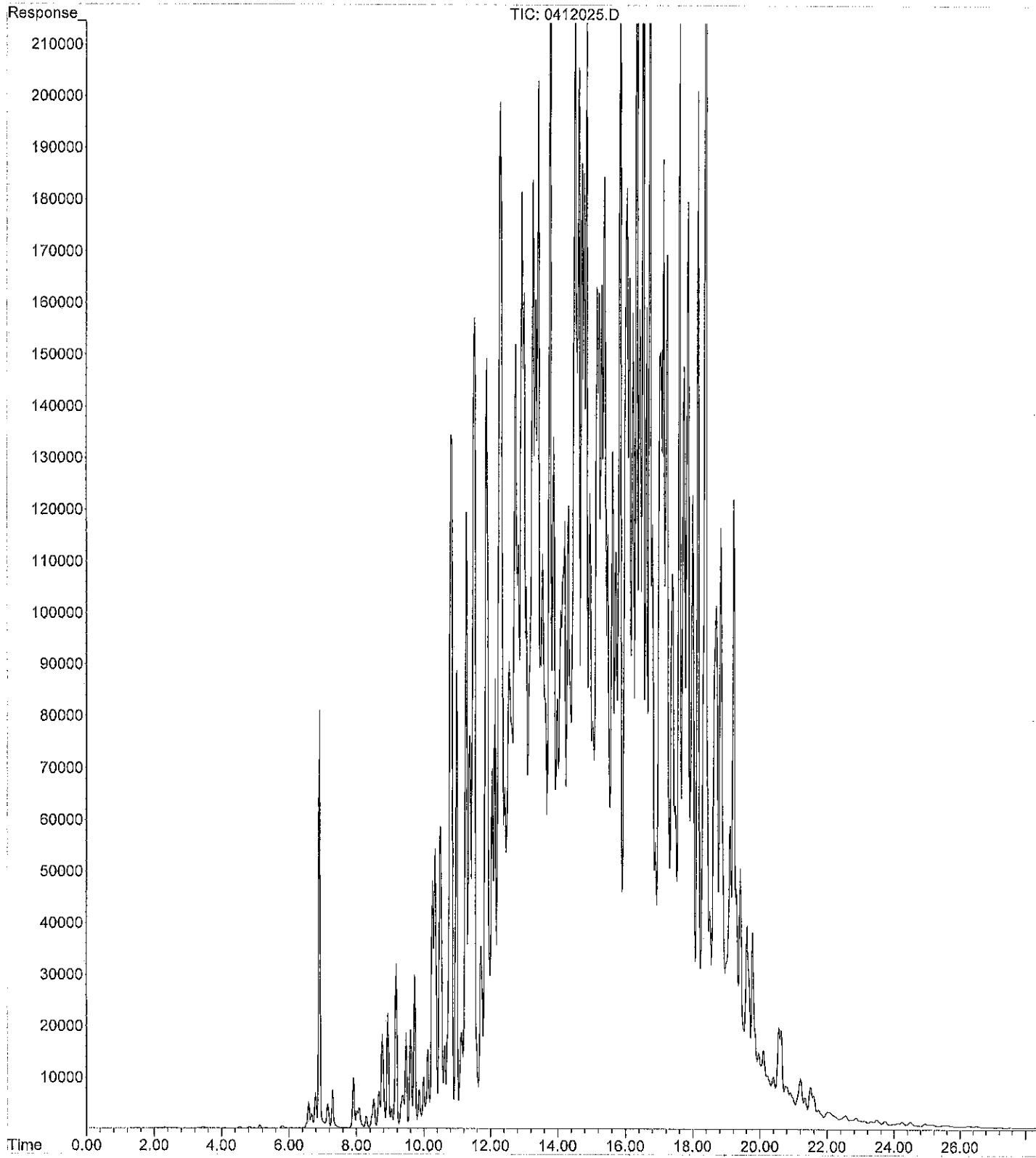
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Misc Info :
Vial Number: 26



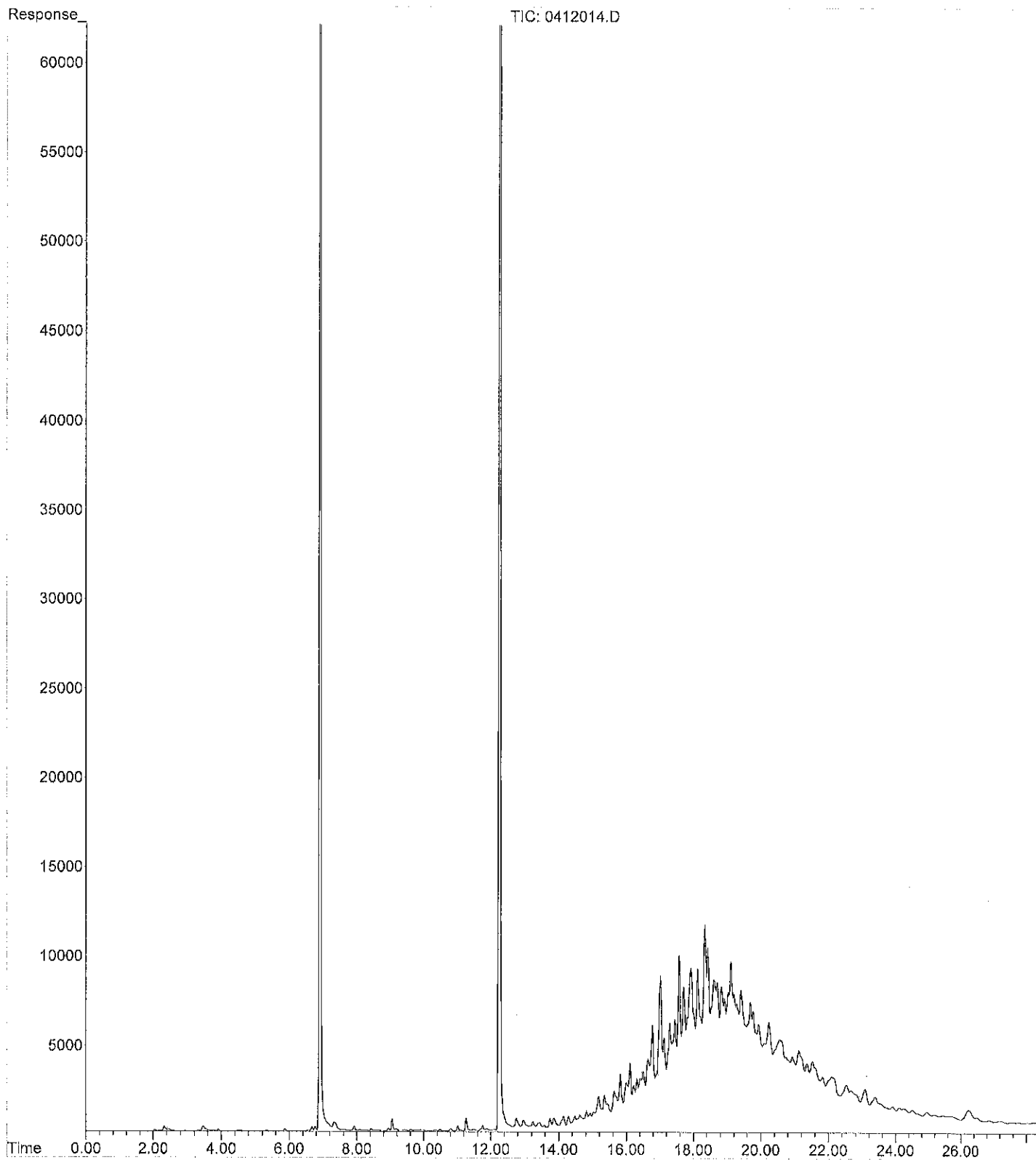
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Misc Info :
Vial Number: 24



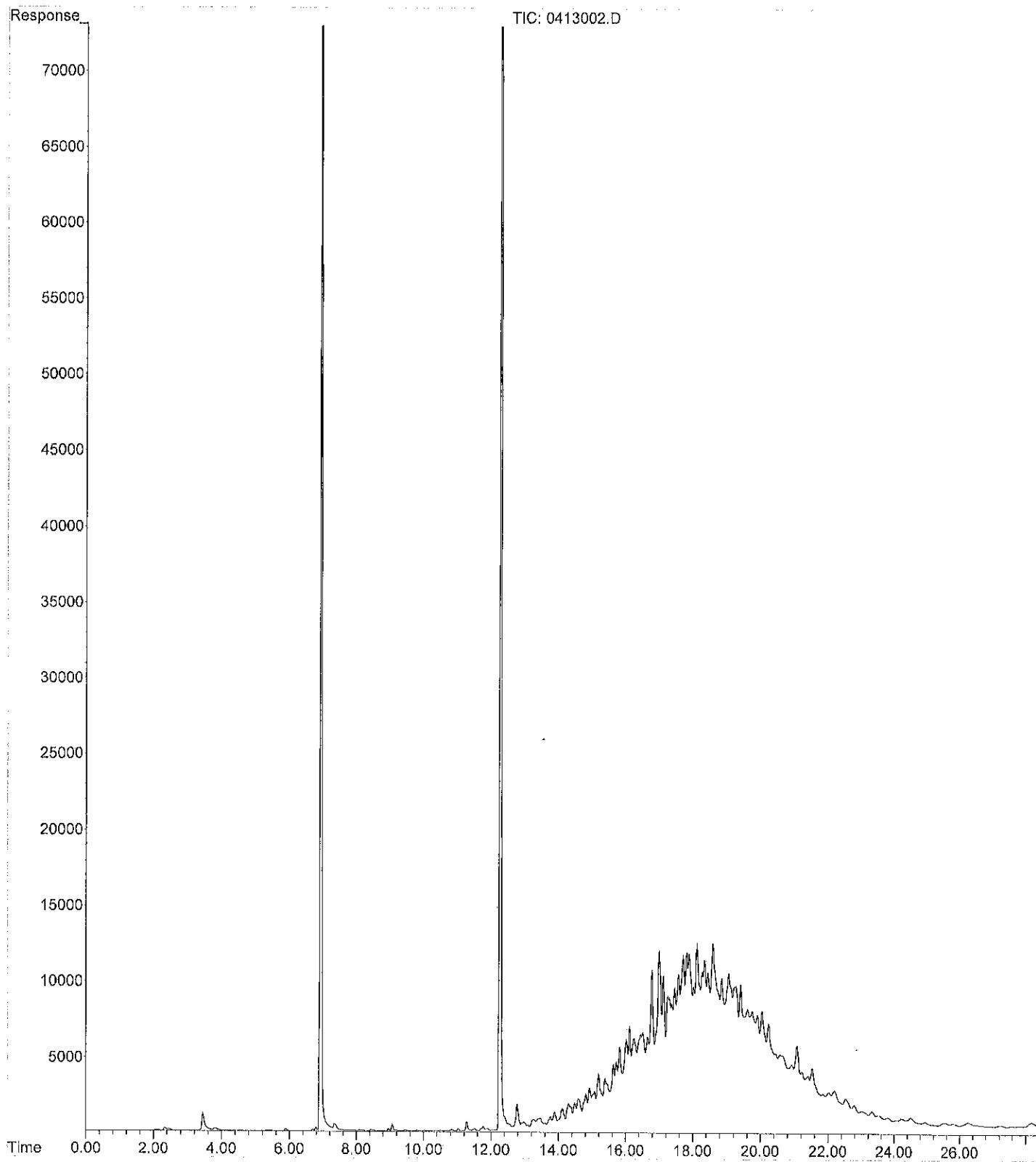
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Instrument : Daryl
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Misc Info :
Vial Number: 25



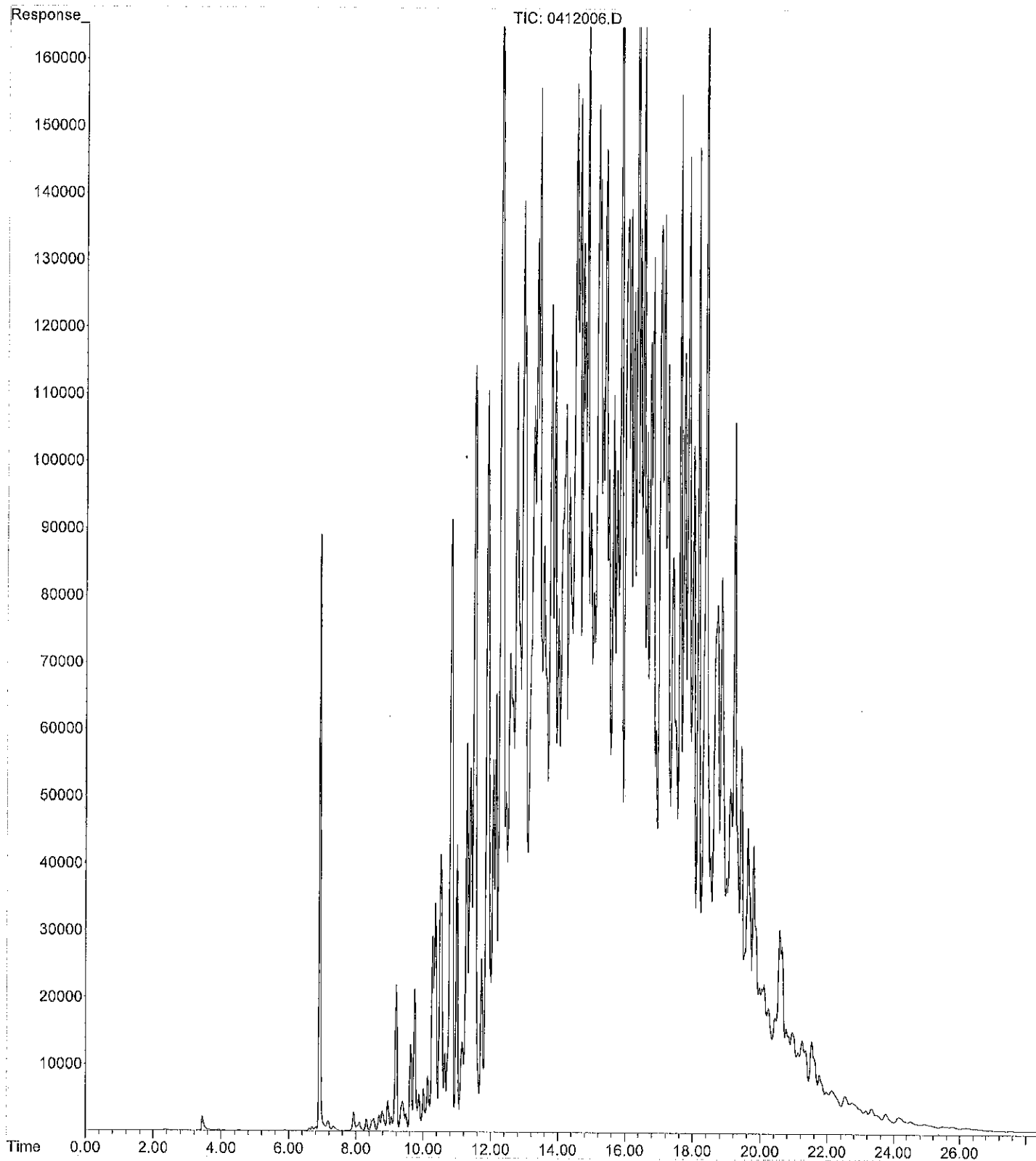
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Misc Info :
Vial Number: 14



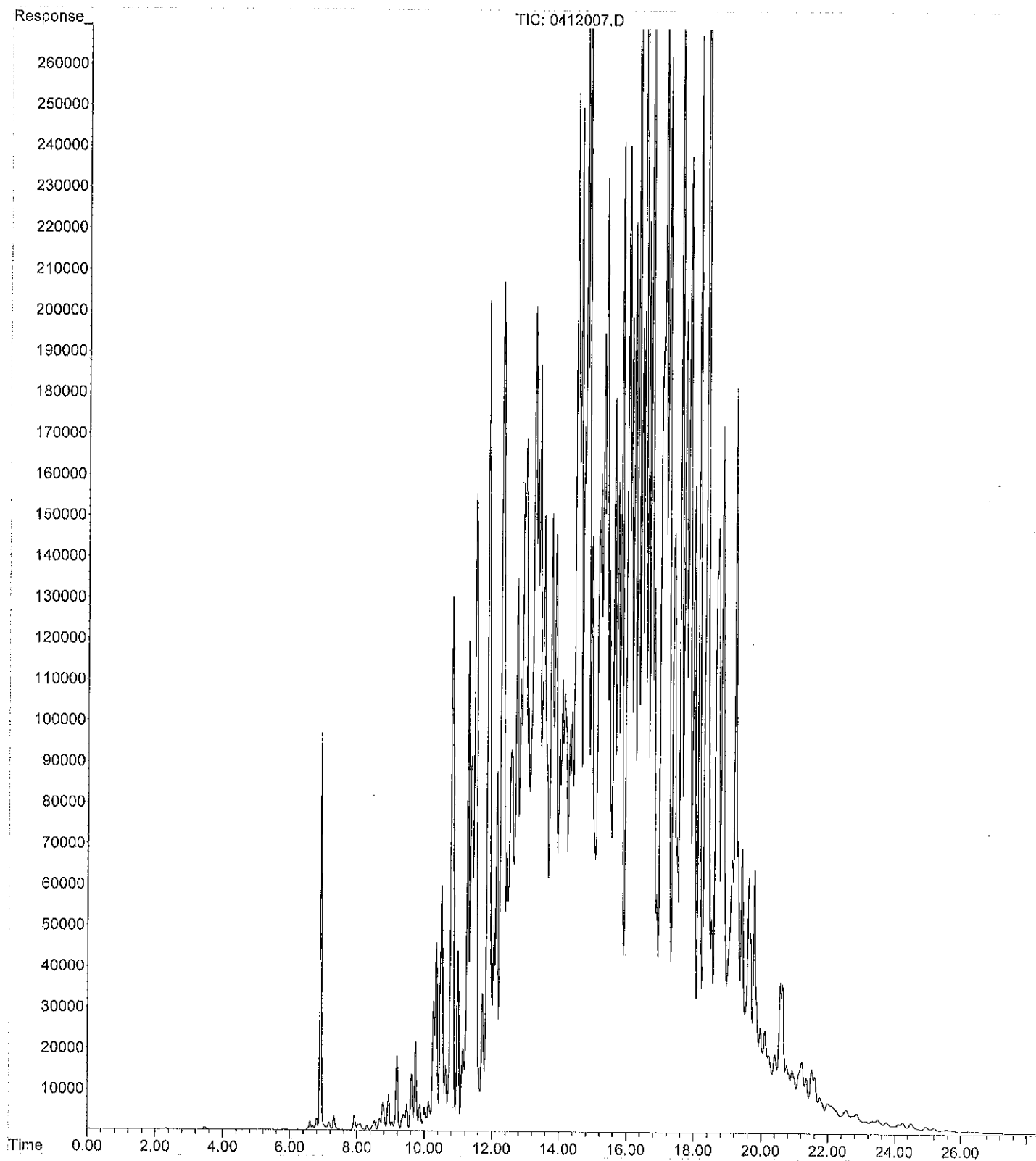
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Misc Info :
Vial Number: 2



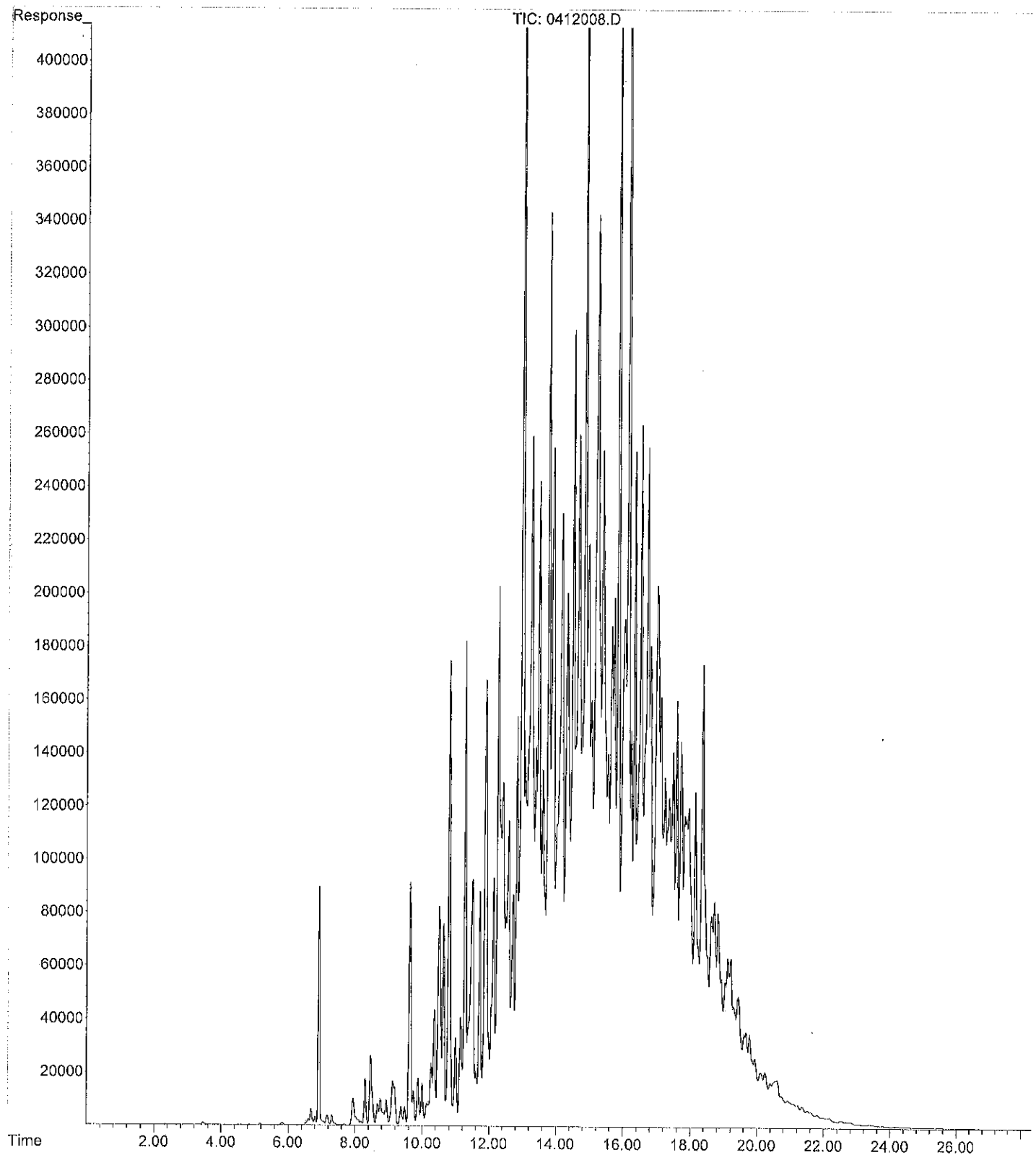
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Sample Name: 04-097-36s rr
Misc Info :
Vial Number: 6



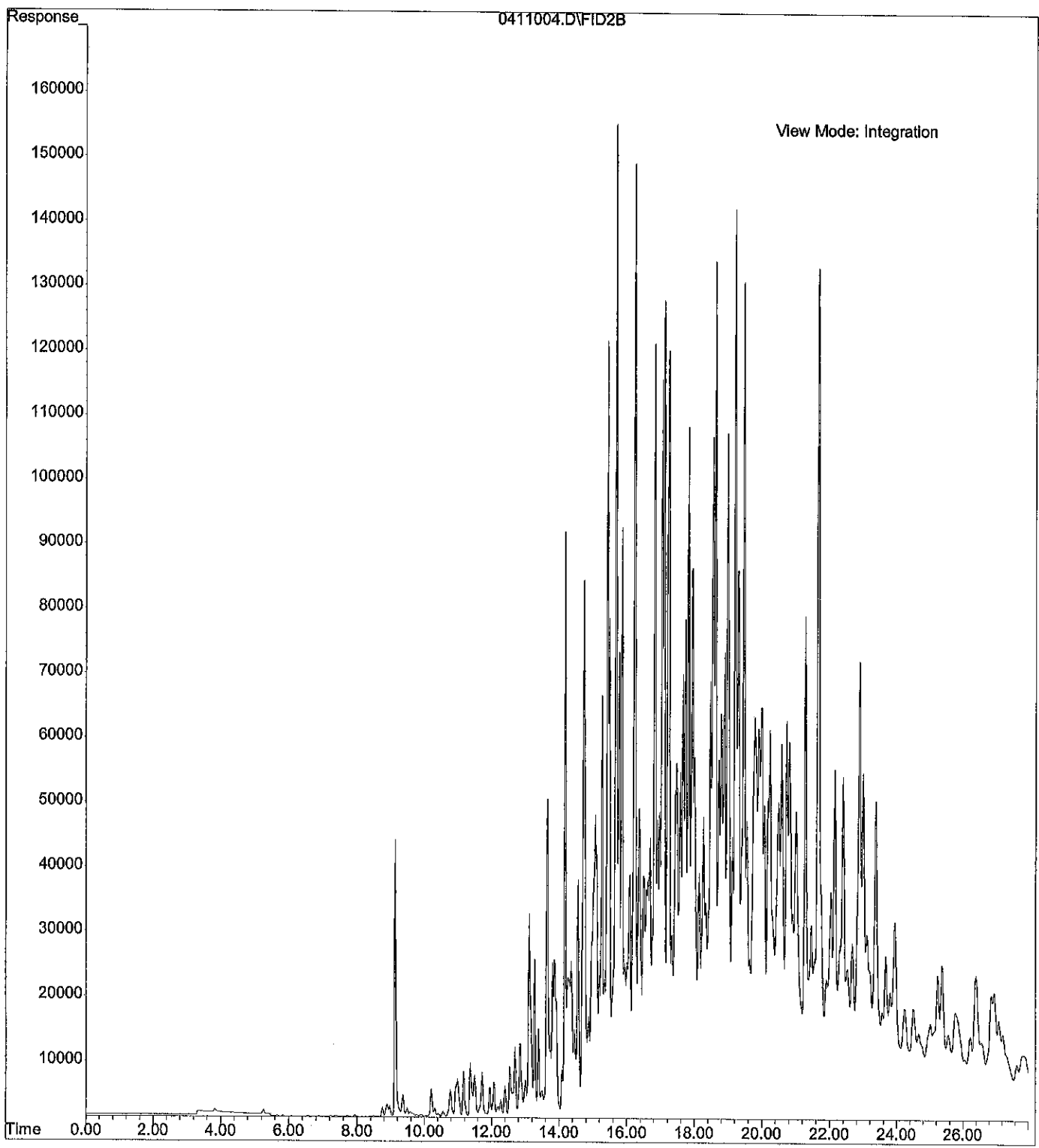
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Sample Name: 04-097-39s rr
Misc Info :
Vial Number: 7



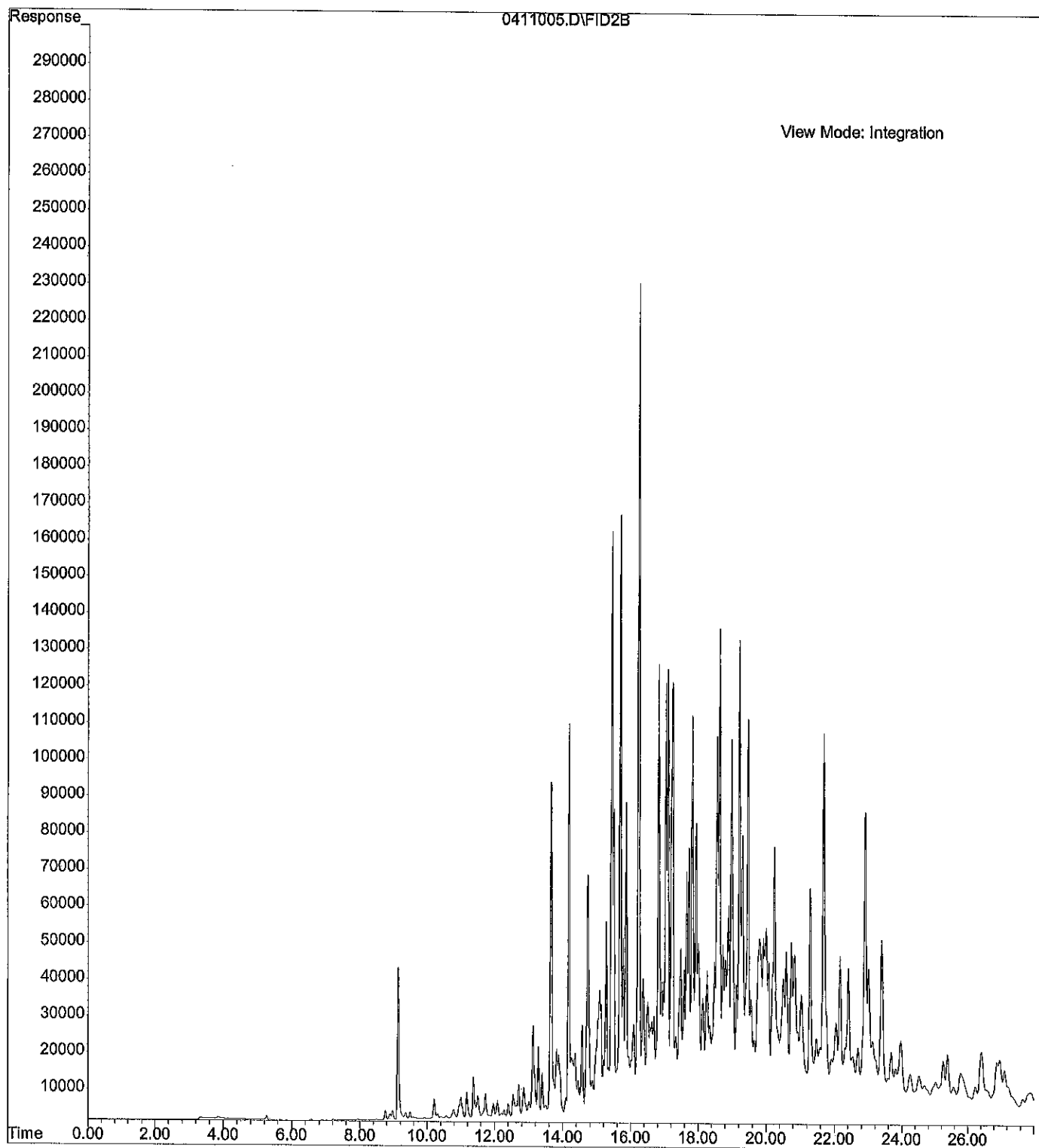
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Instrument : Daryl
Sample Name: 04-097-40s rr
Misc Info :
Vial Number: 8



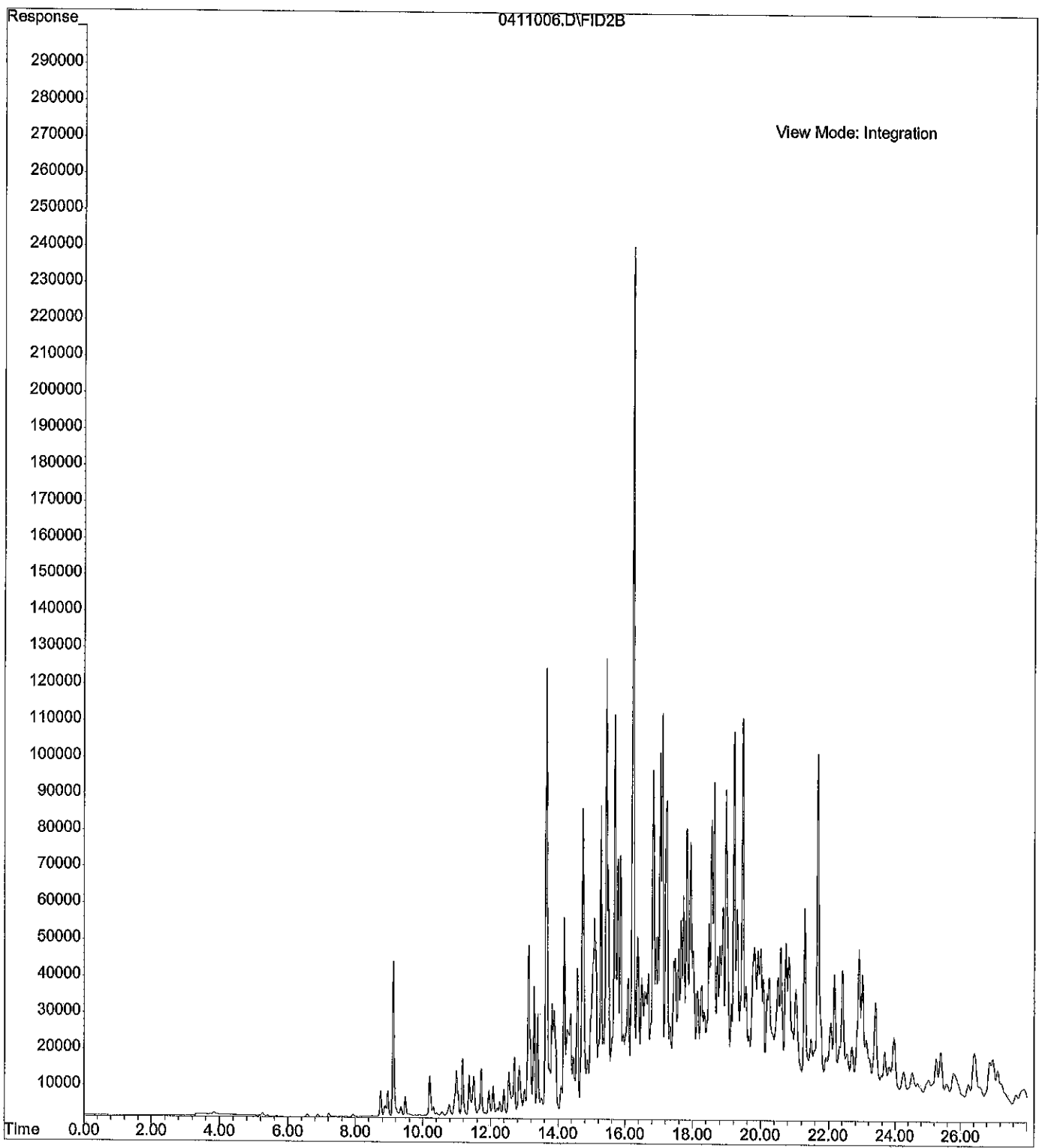
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Sample Name: 04-097-42s 1:500
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Vial Number: 4



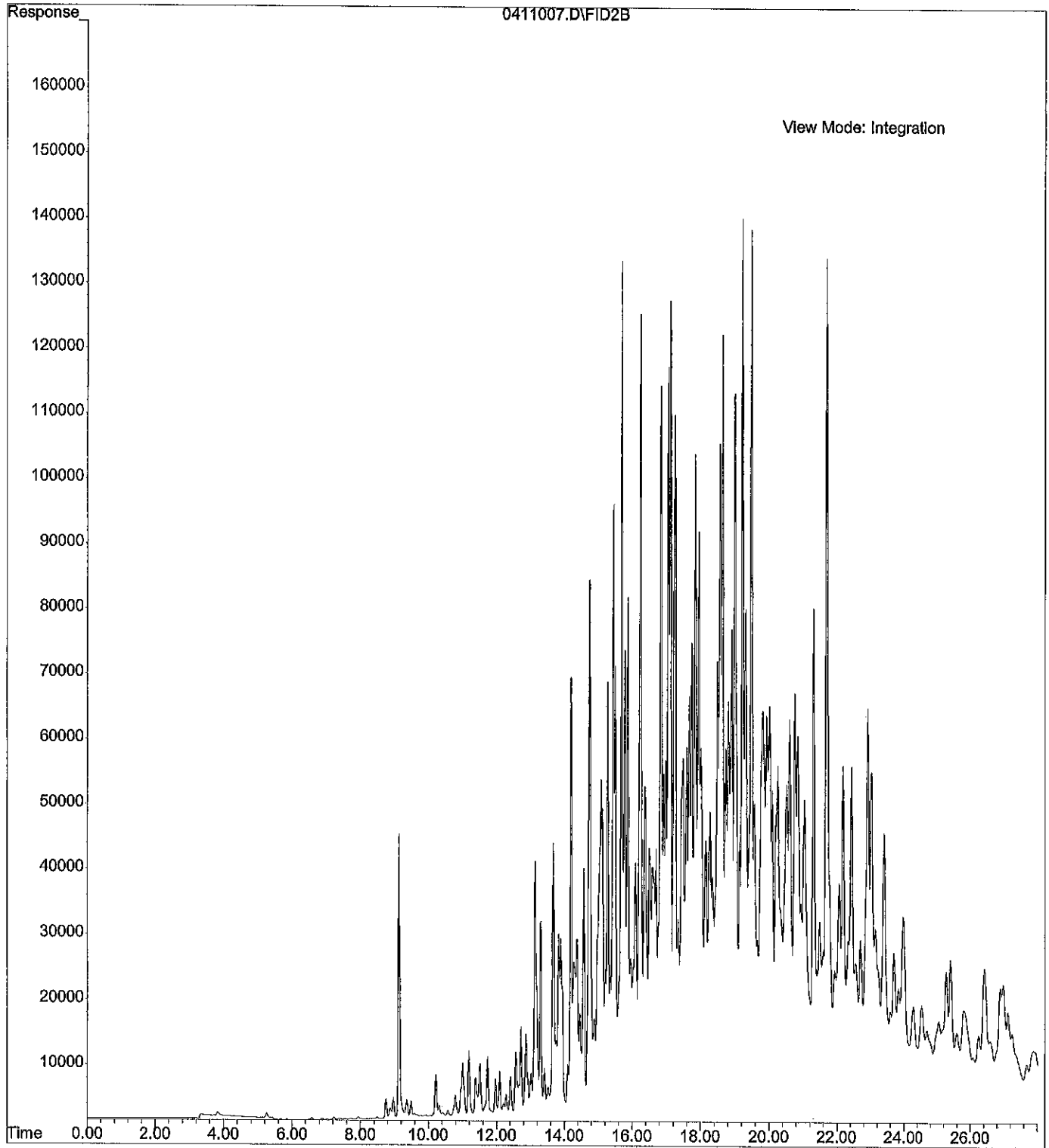
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Misc Info :
Vial Number: 5



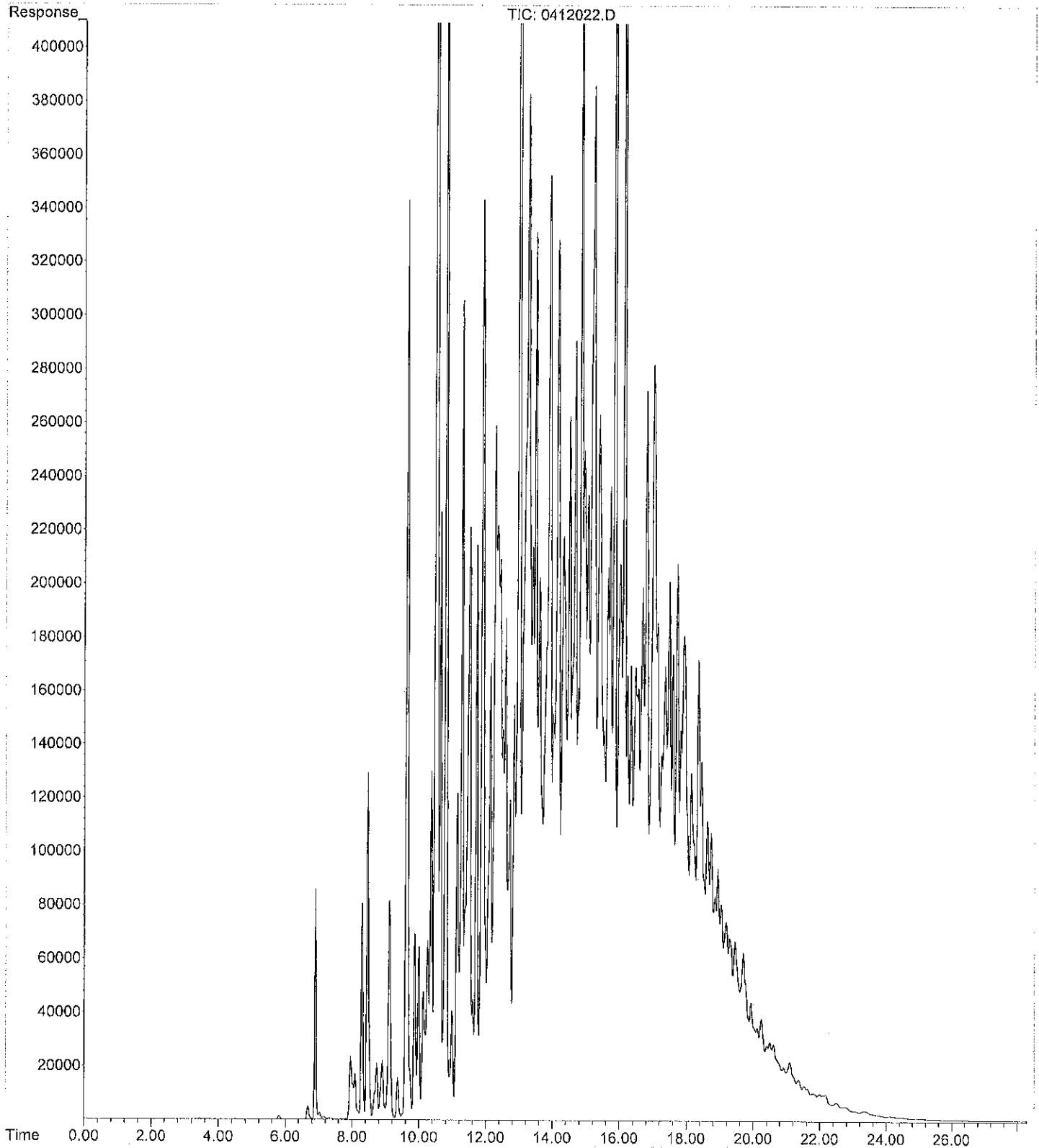
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Misc Info :
Vial Number: 6



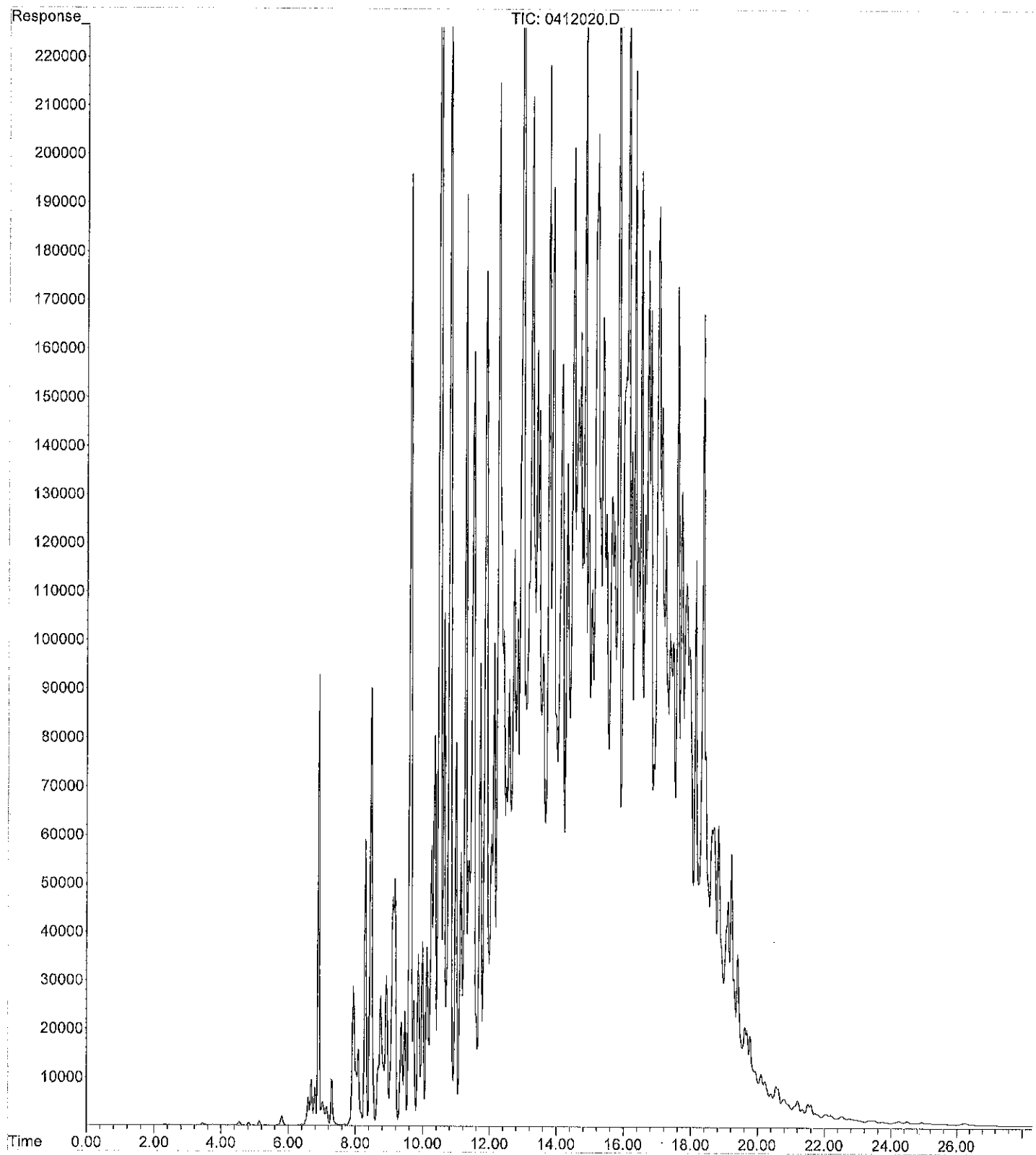
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Misc Info :
Vial Number: 7



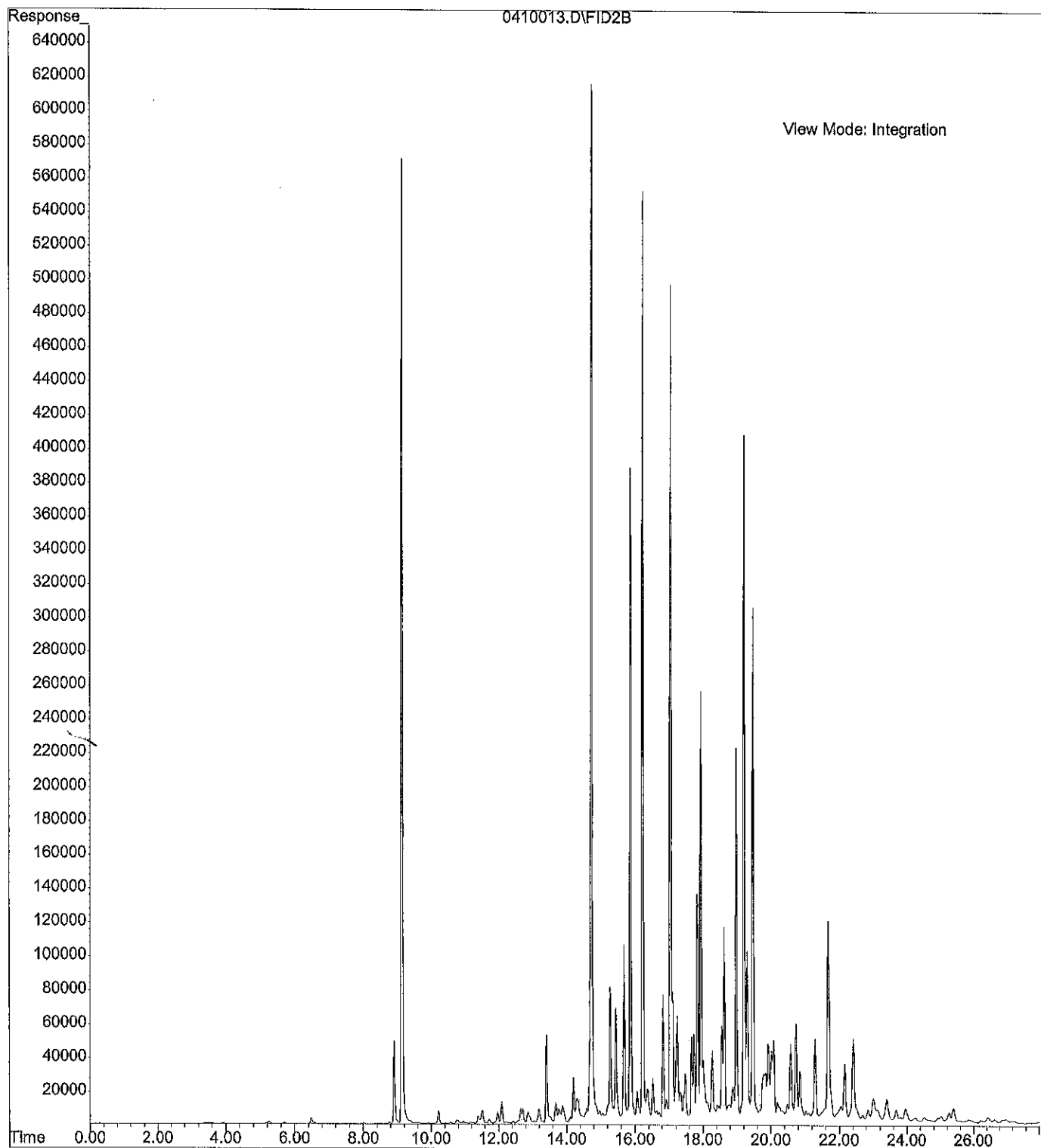
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Sample Name: 04-097-48s
Misc Info :
Vial Number: 22



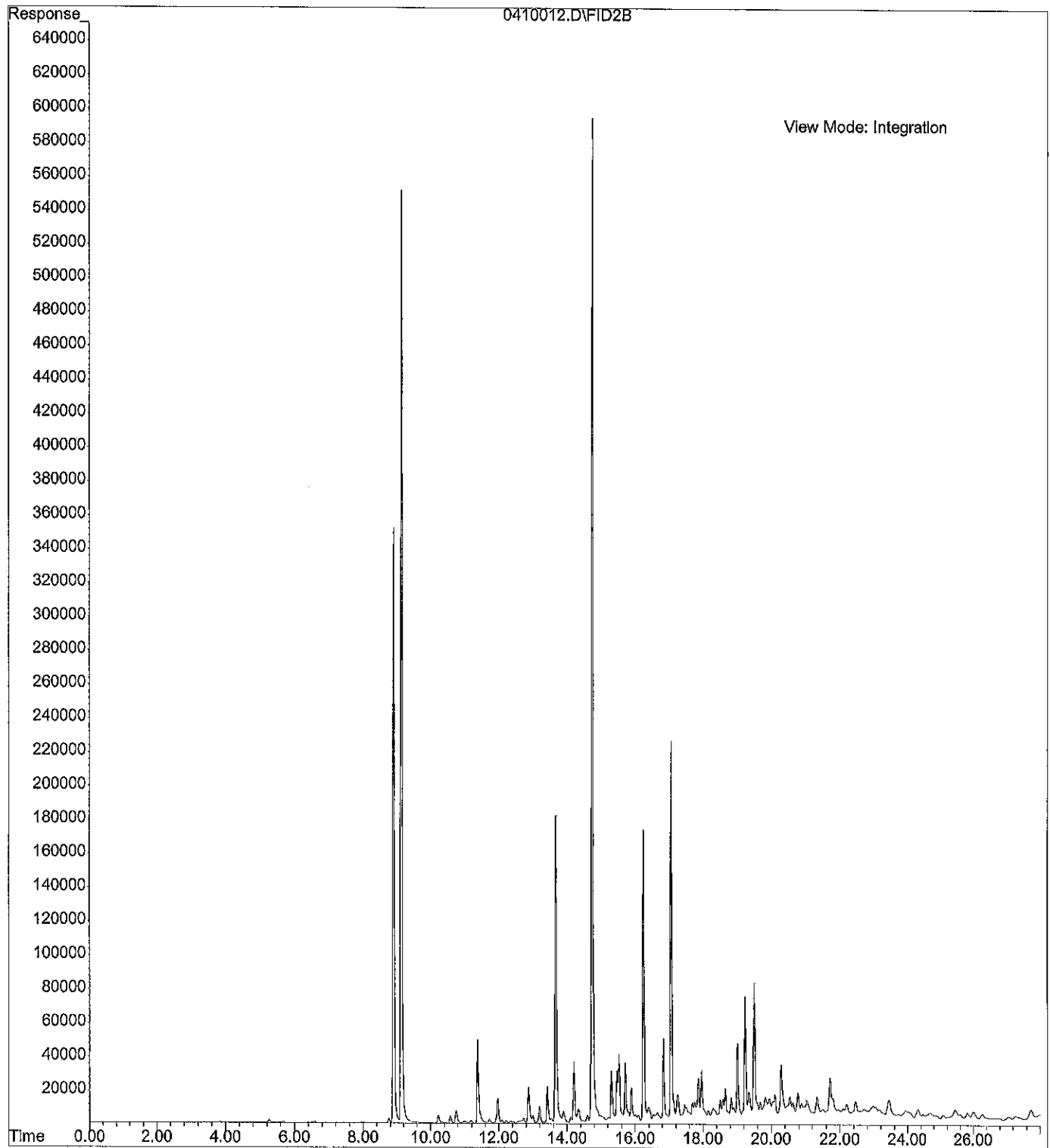
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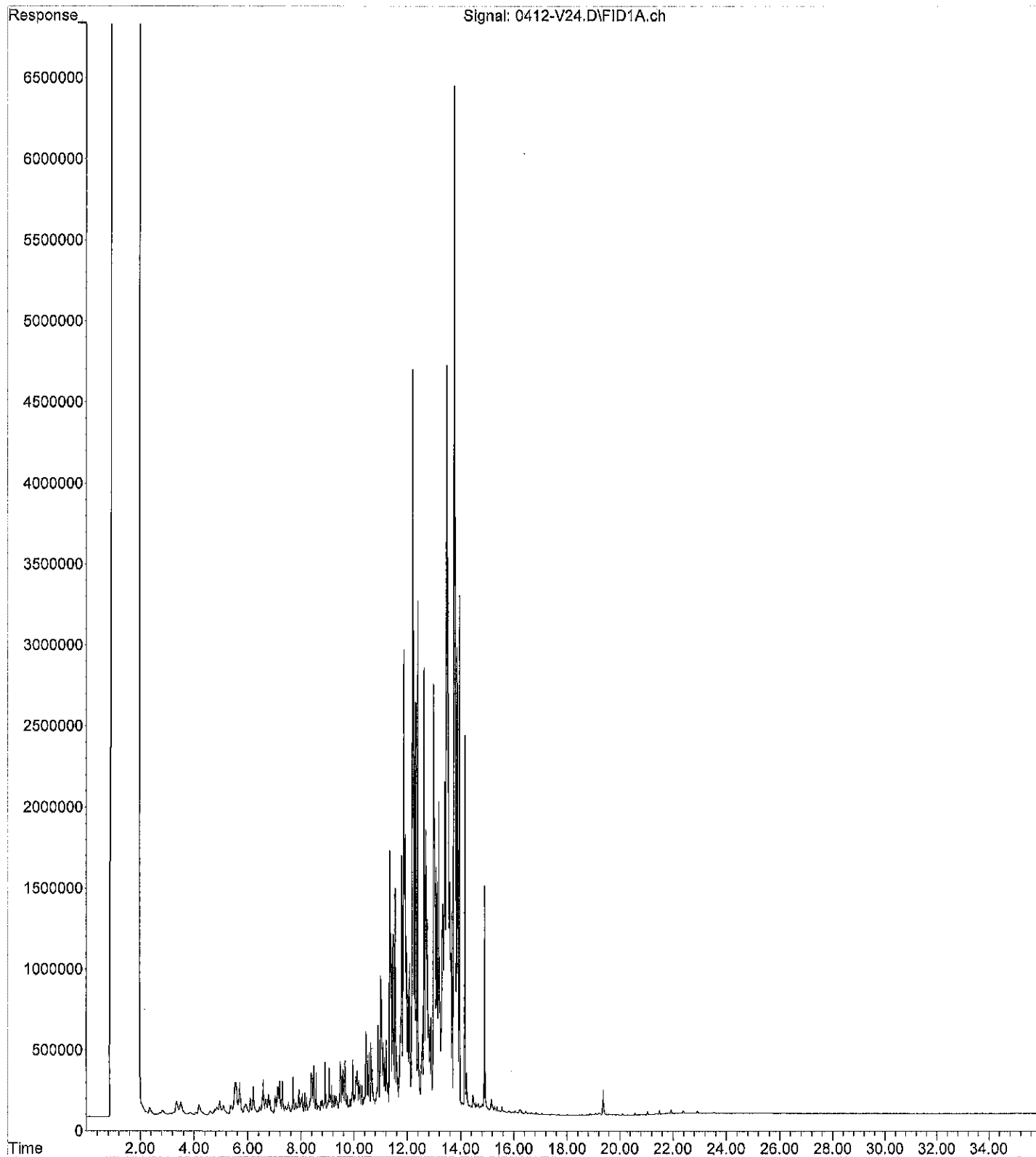
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Misc Info :
Vial Number: 13



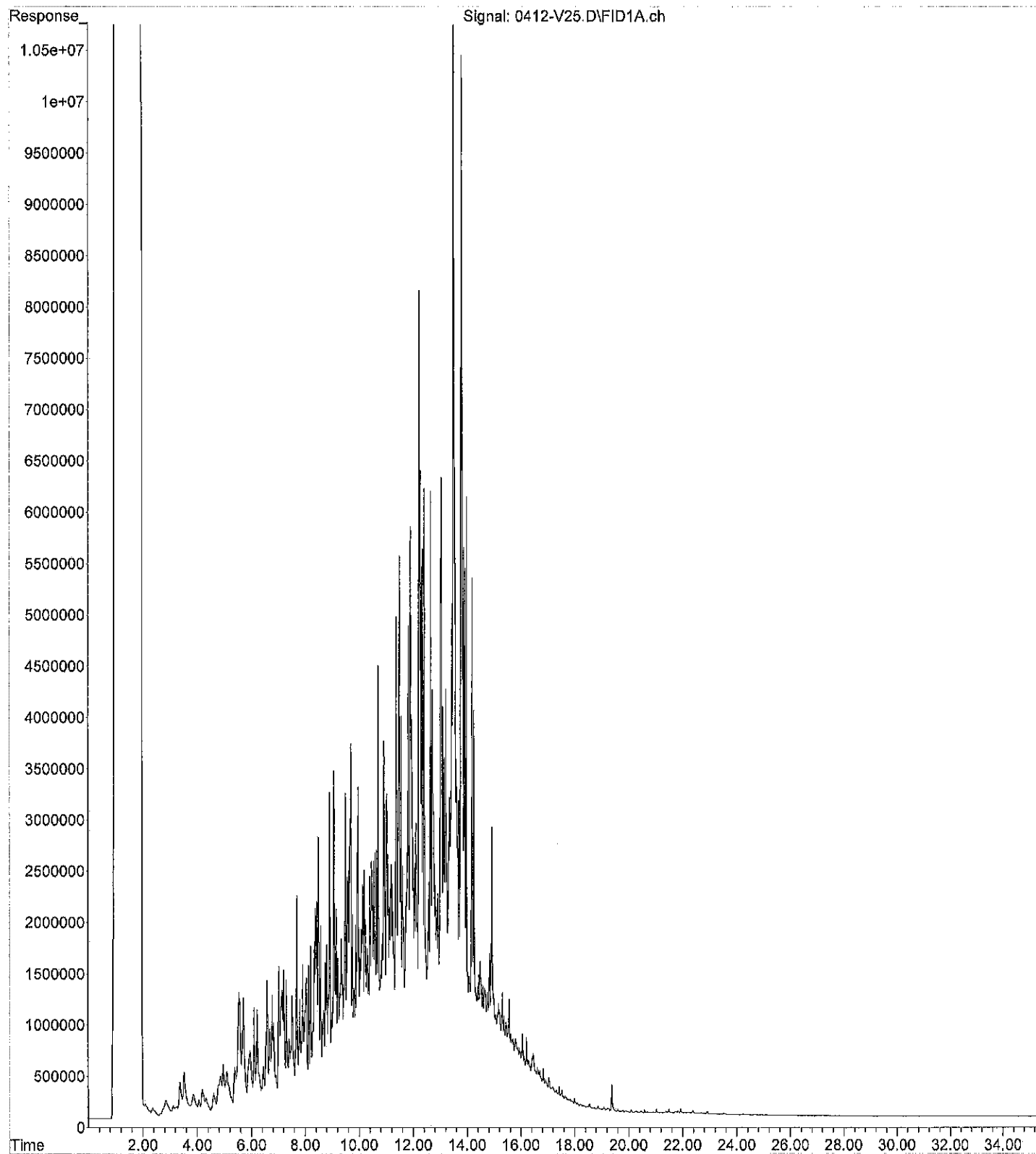
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Misc Info :
Vial Number: 12



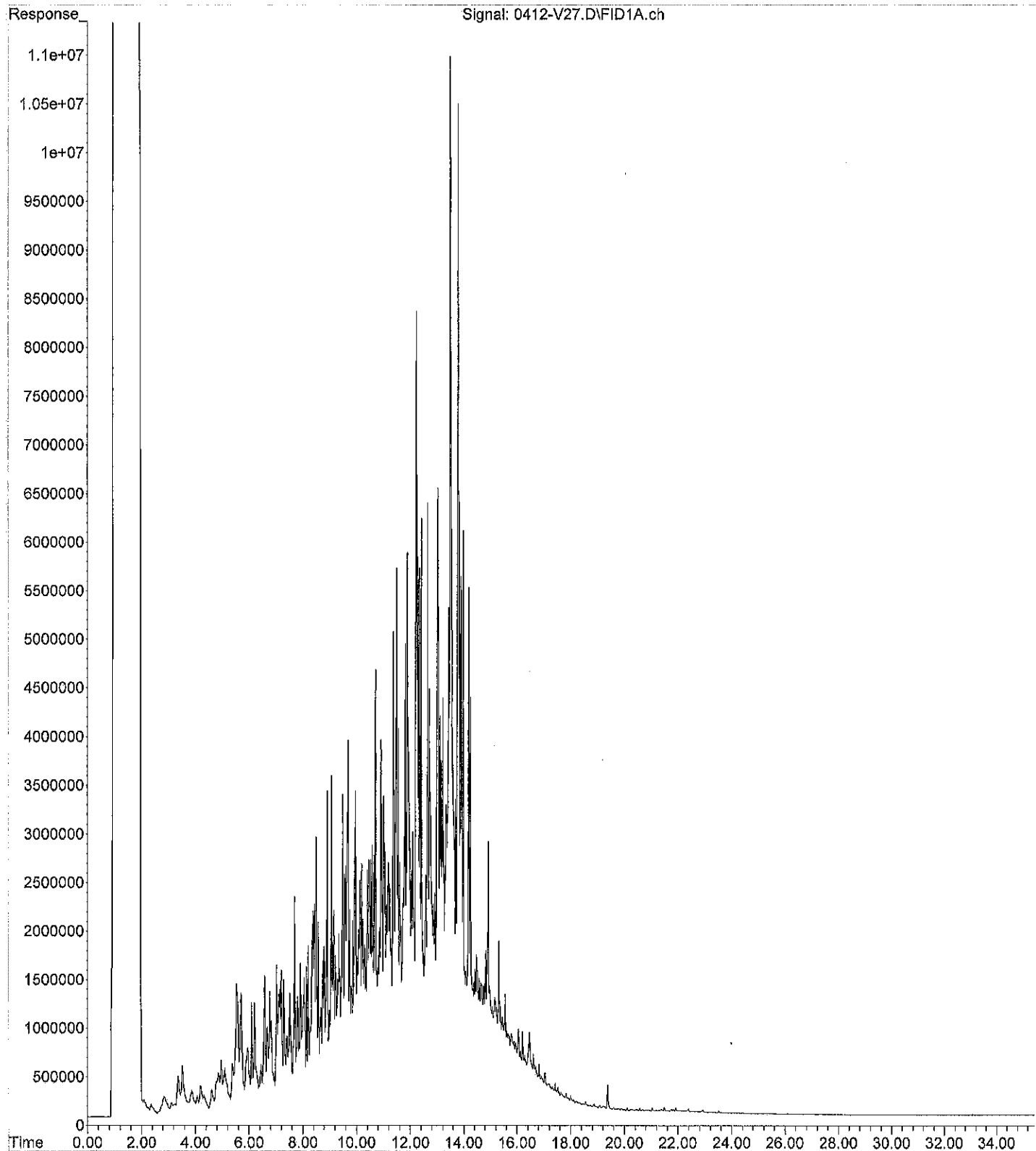
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Sample Name: 04-097-01 10X
Misc Info :
Vial Number: 24



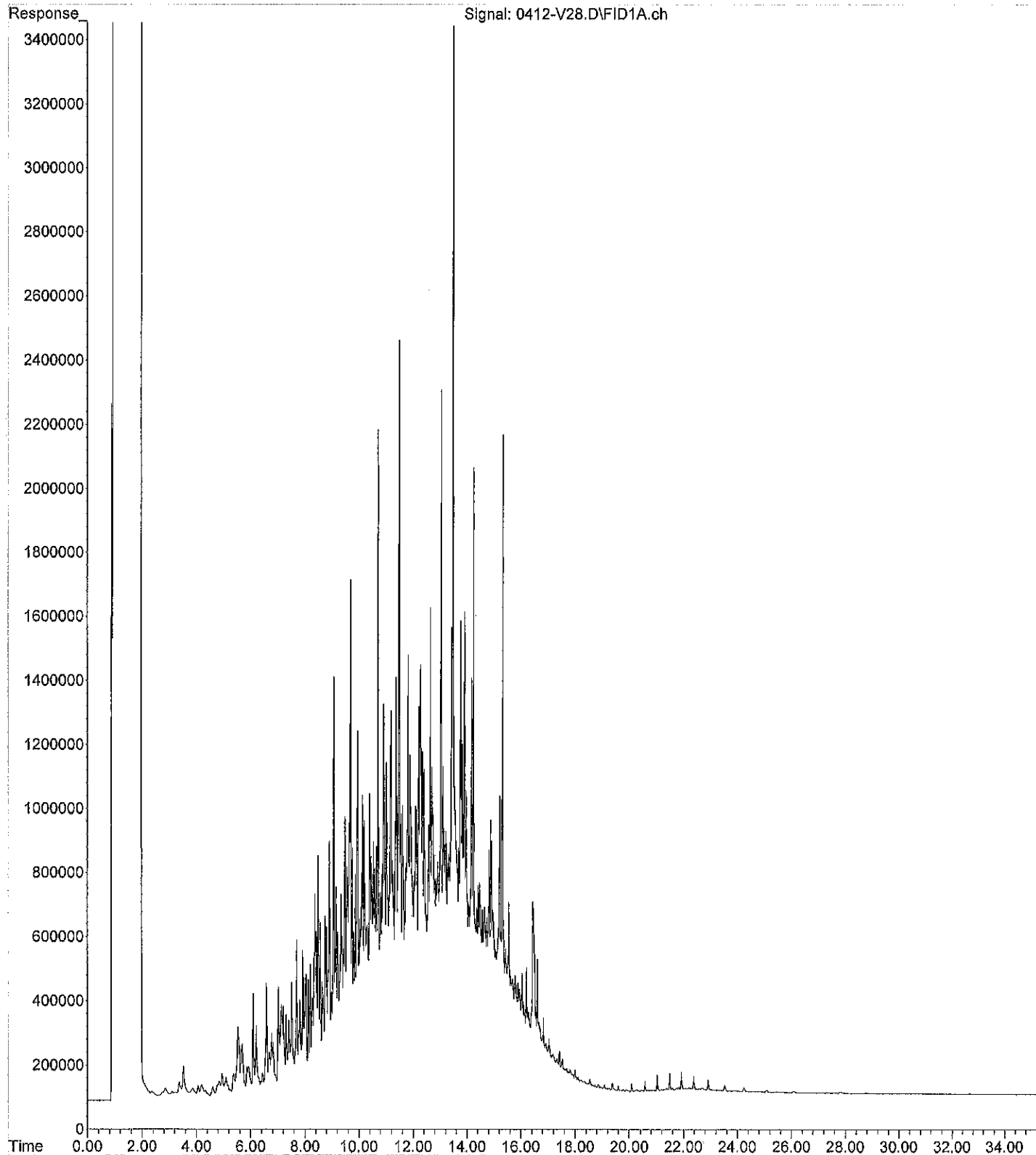
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Misc Info :
Vial Number: 25



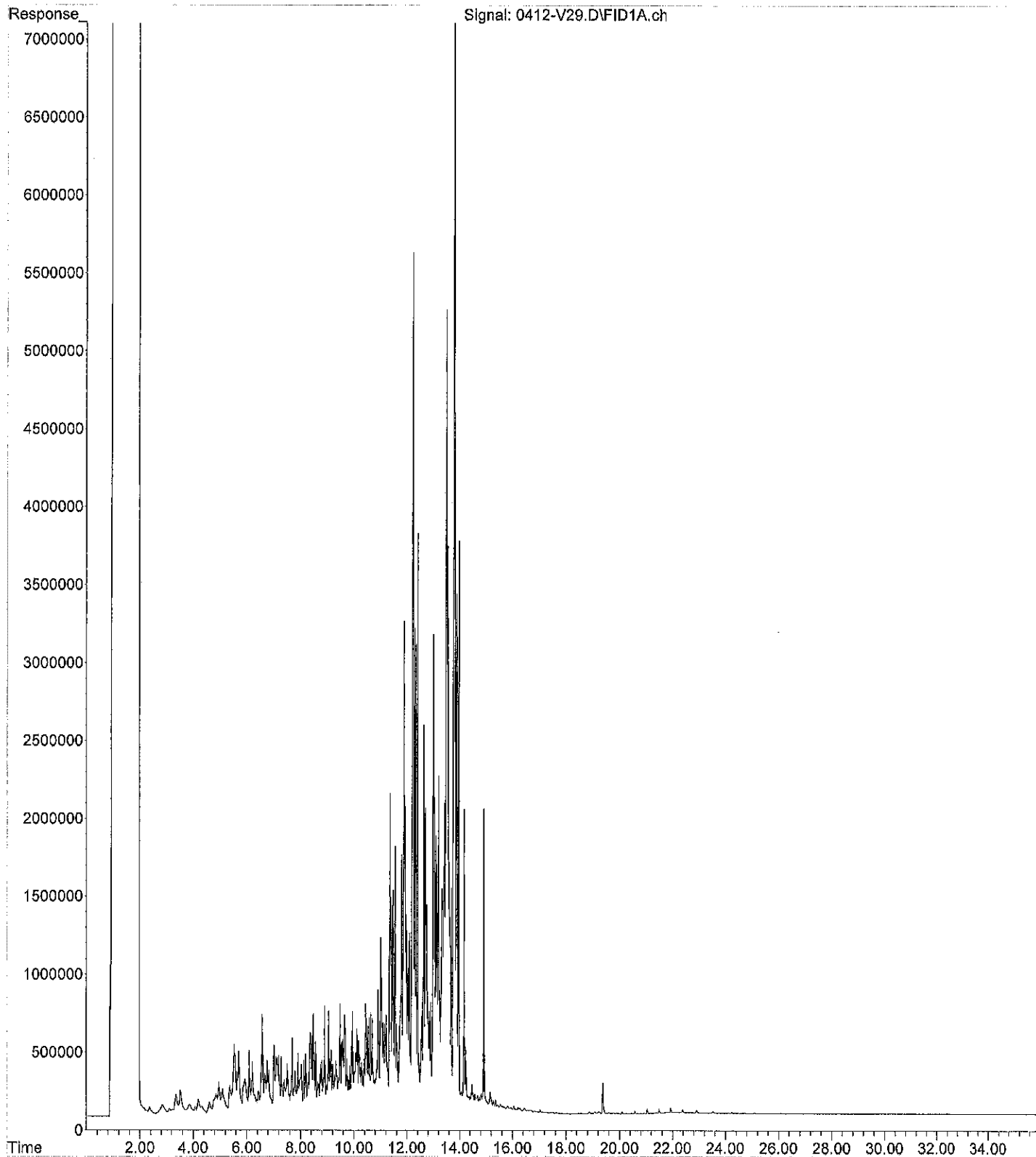
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Misc Info :
Vial Number: 27



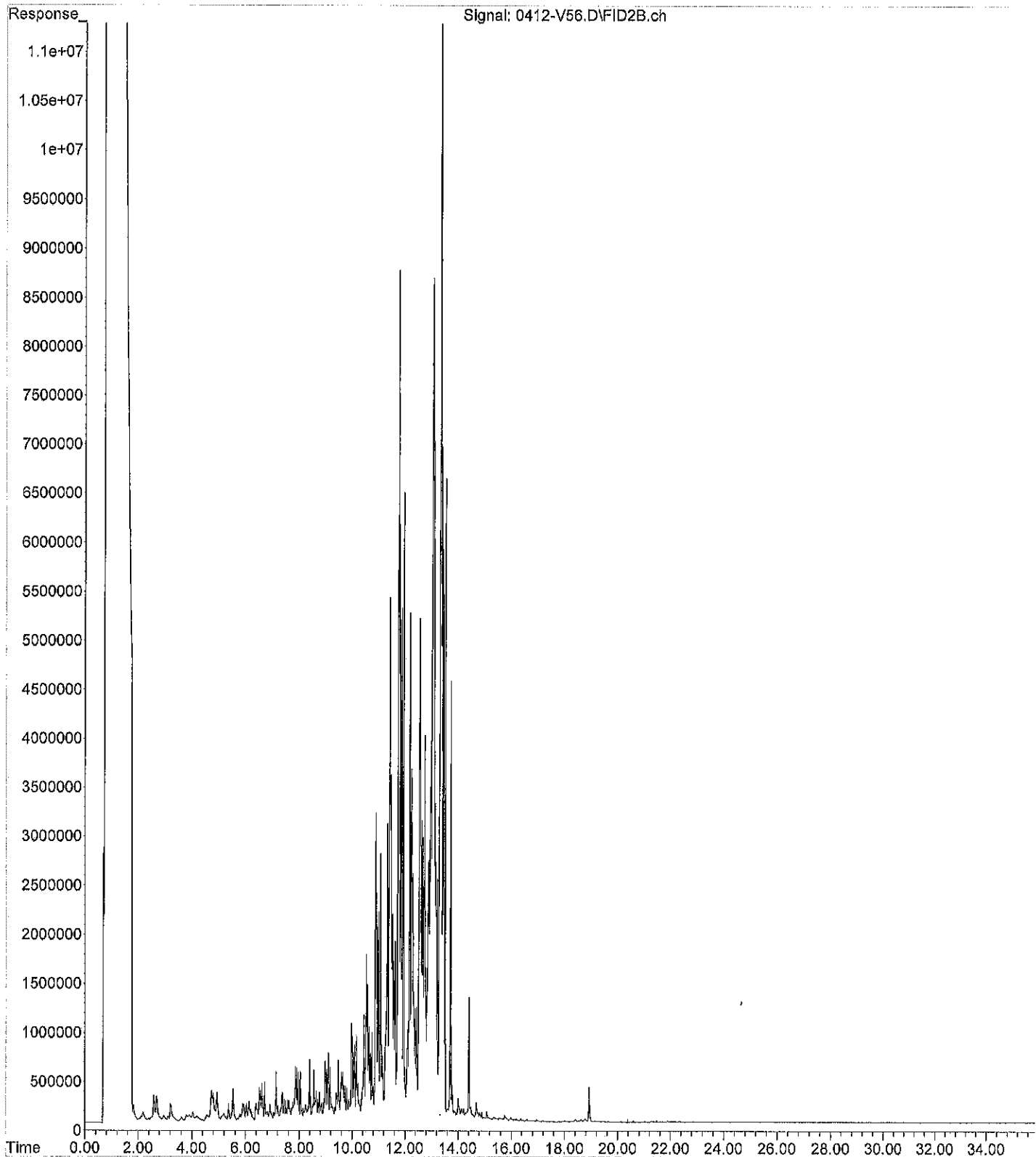
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Instrument : Vigo
Sample Name: 04-097-04 50X
Misc Info :
Vial Number: 28



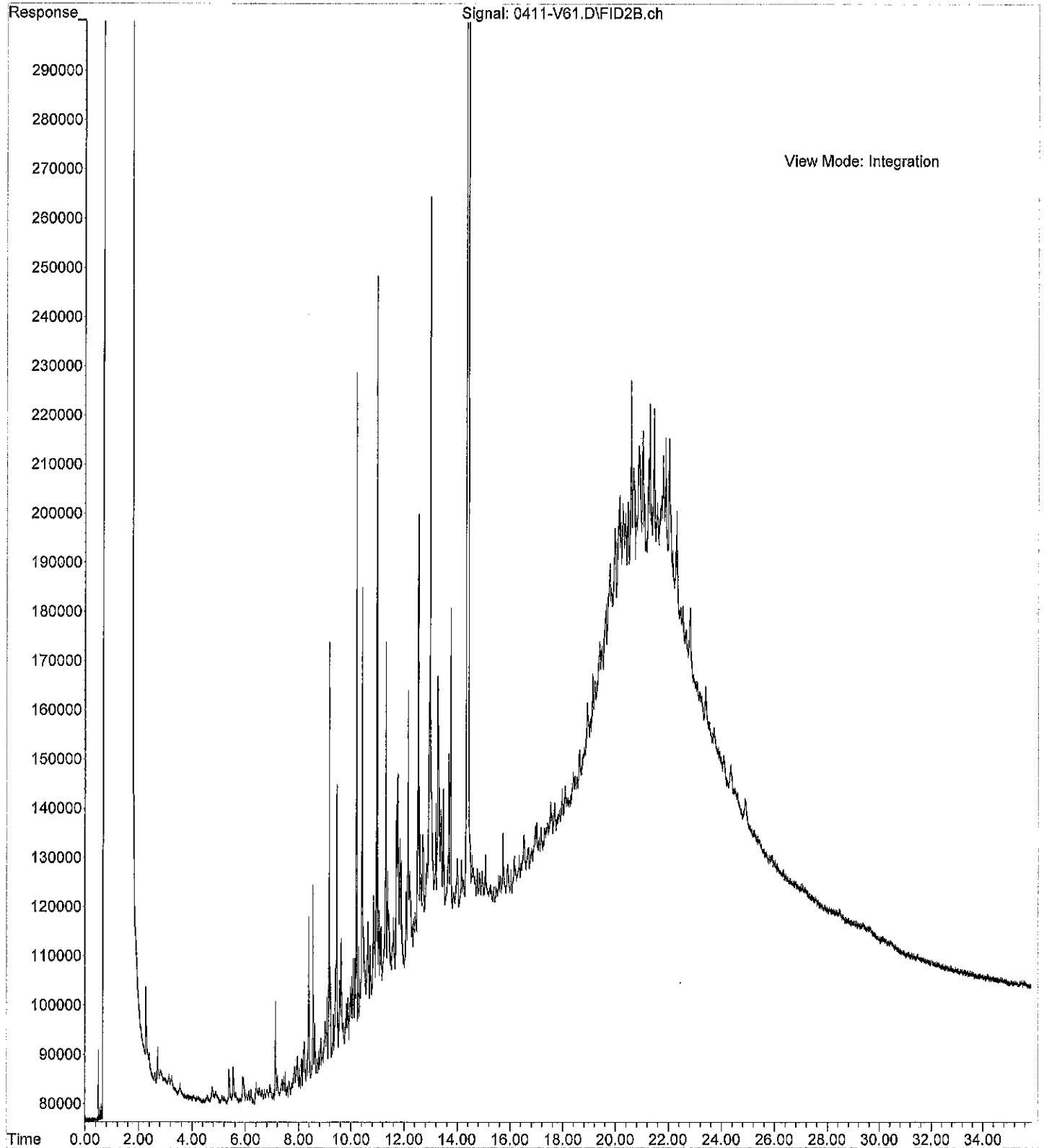
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Instrument : Vigo
Sample Name: 04-097-05 10X
Misc Info :
Vial Number: 29



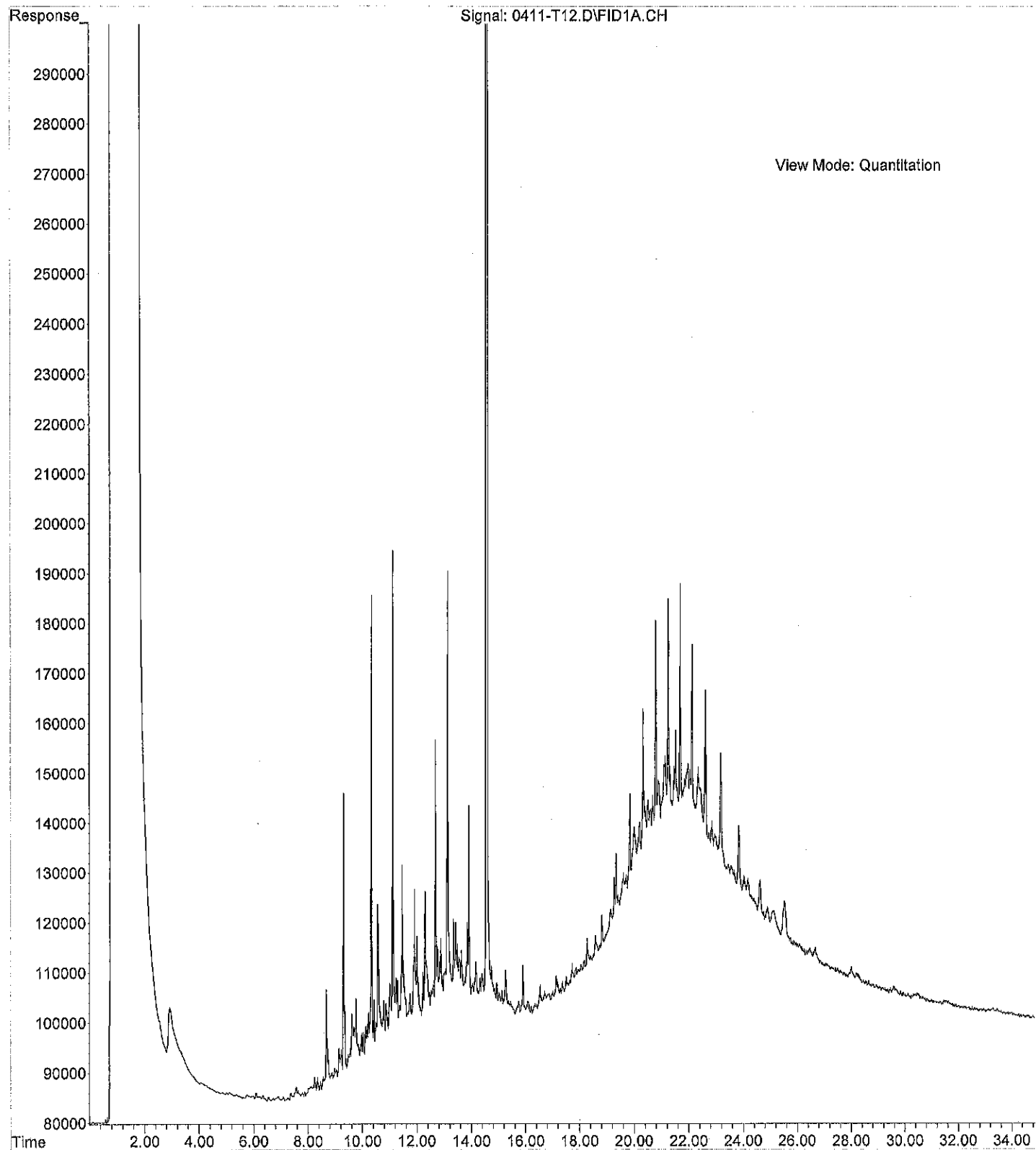
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Instrument : Vigo
Sample Name: 04-097-06 10X
Misc Info :
Vial Number: 56



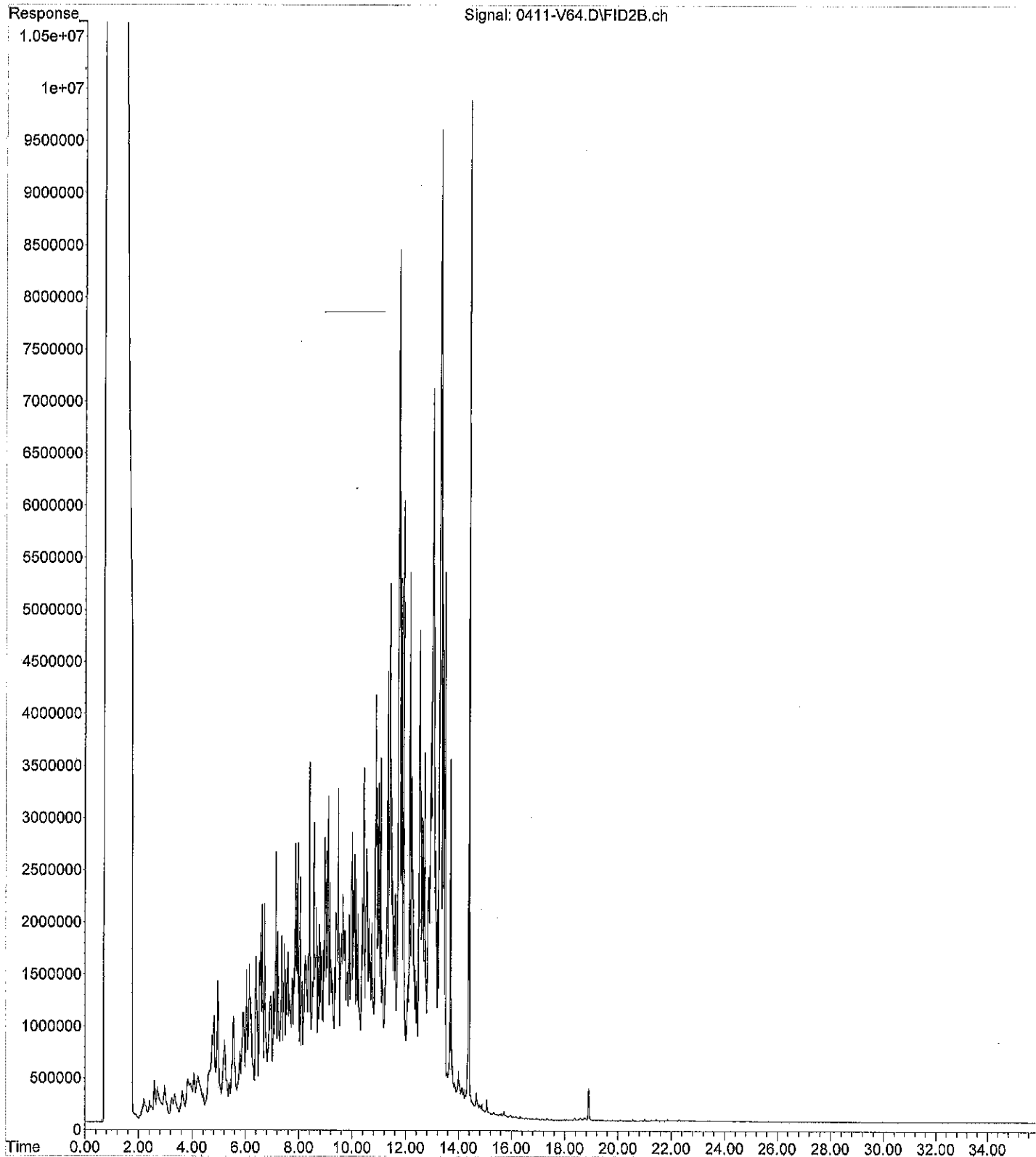
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Misc Info :
Vial Number: 61



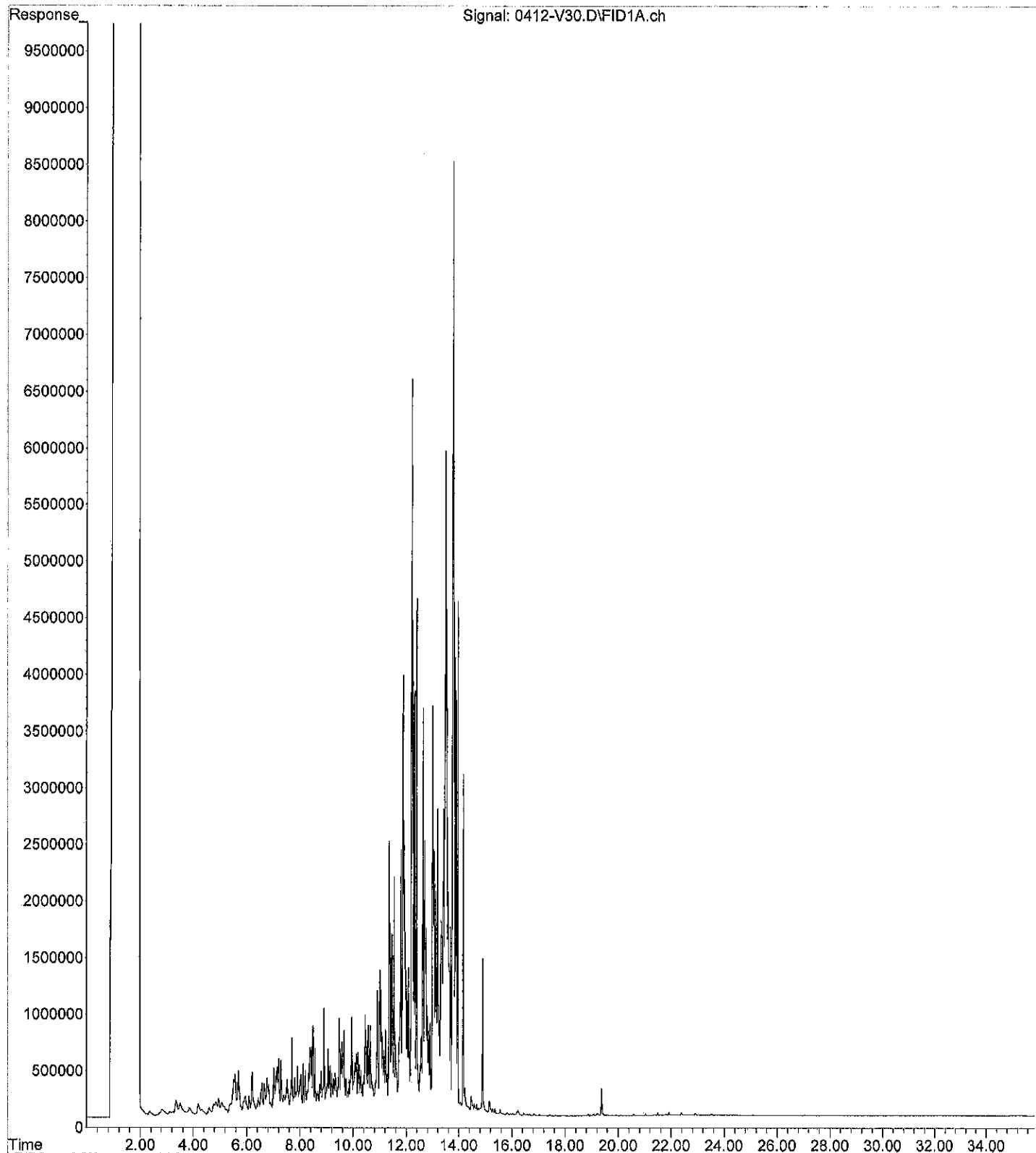
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Instrument : Teri
Sample Name: 04-097-09
Misc Info :
Vial Number: 12



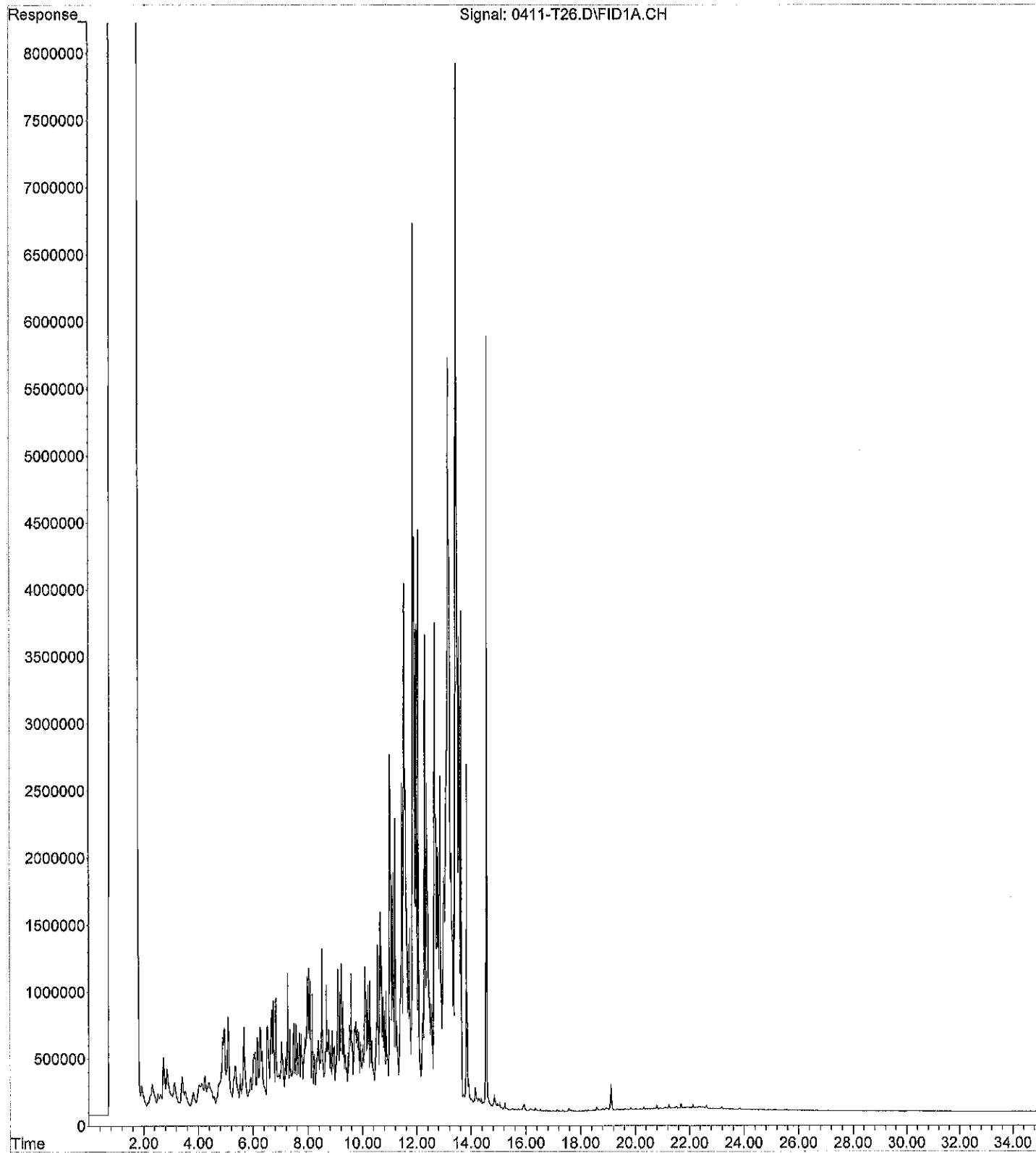
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Misc Info :
Vial Number: 64



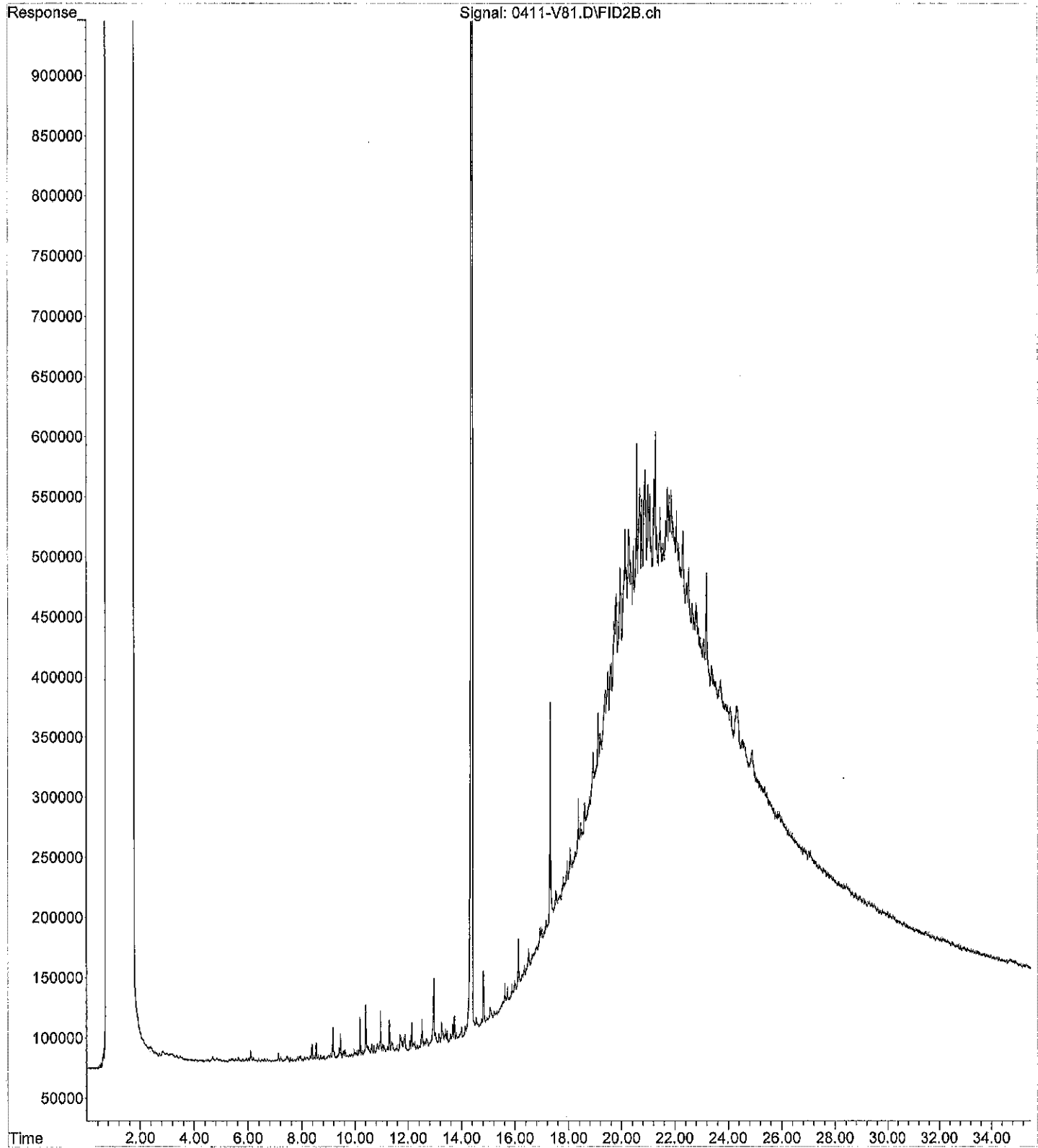
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Instrument : Vigo
Sample Name: 04-097-17 10X
Misc Info :
Vial Number: 30



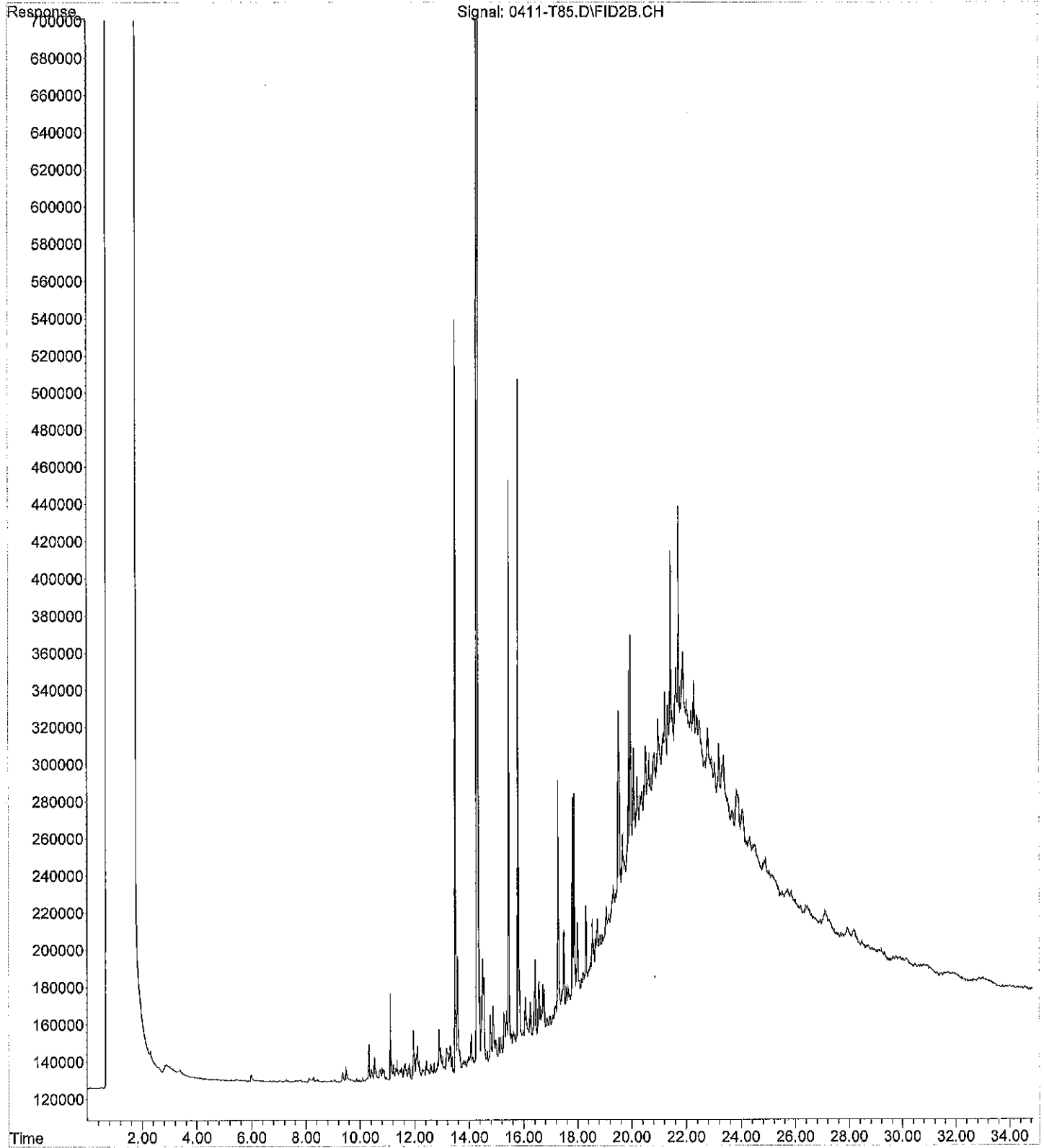
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Instrument : Teri
Sample Name: 04-097-18
Misc Info :
Vial Number: 26



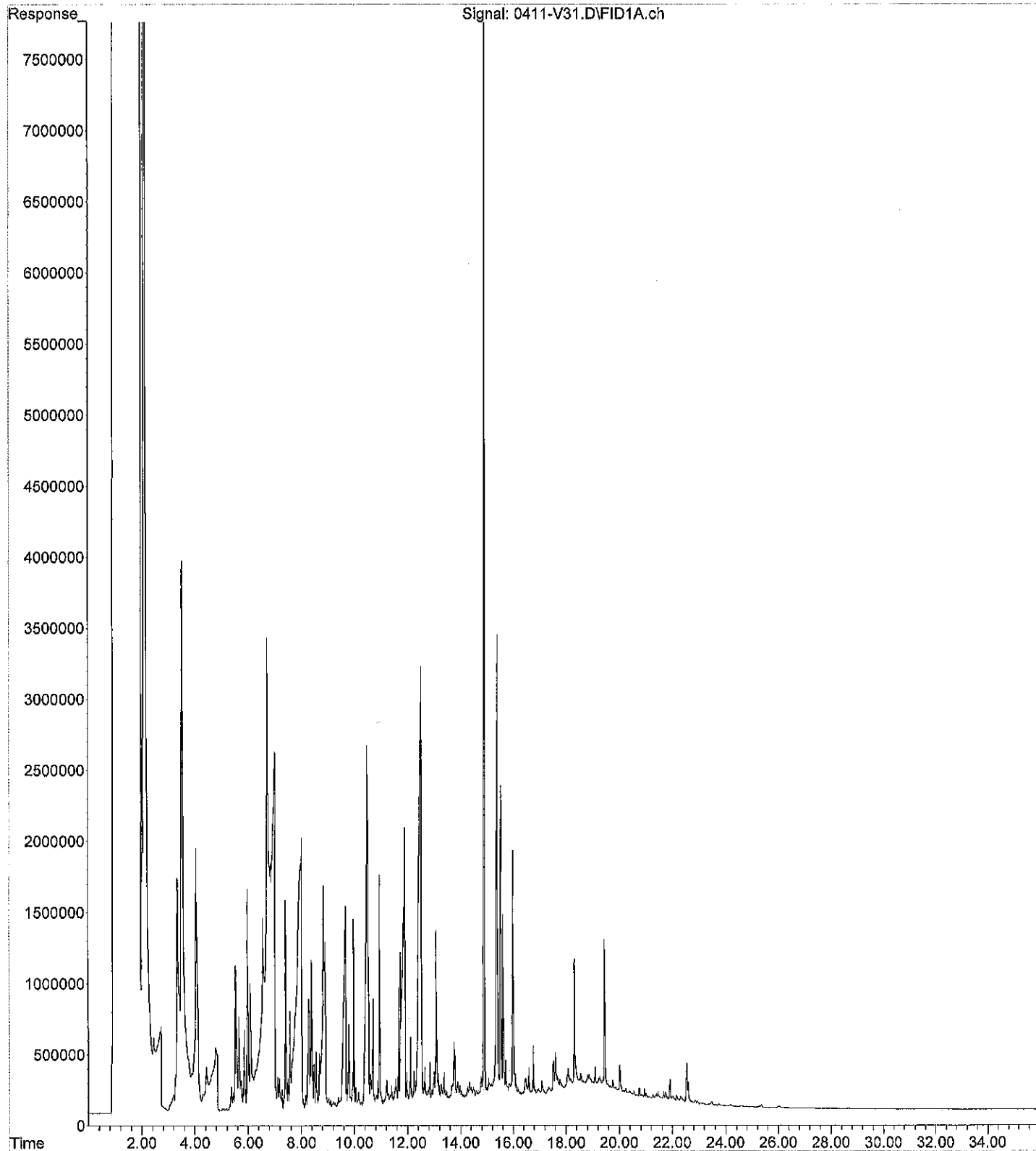
File :X:\DIESELS\VIGO\DATA\V170411.SEC\0411-V81.D
Operator :
Acquired : 12 Apr 2017 4:05 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-097-26
Misc Info :
Vial Number: 81



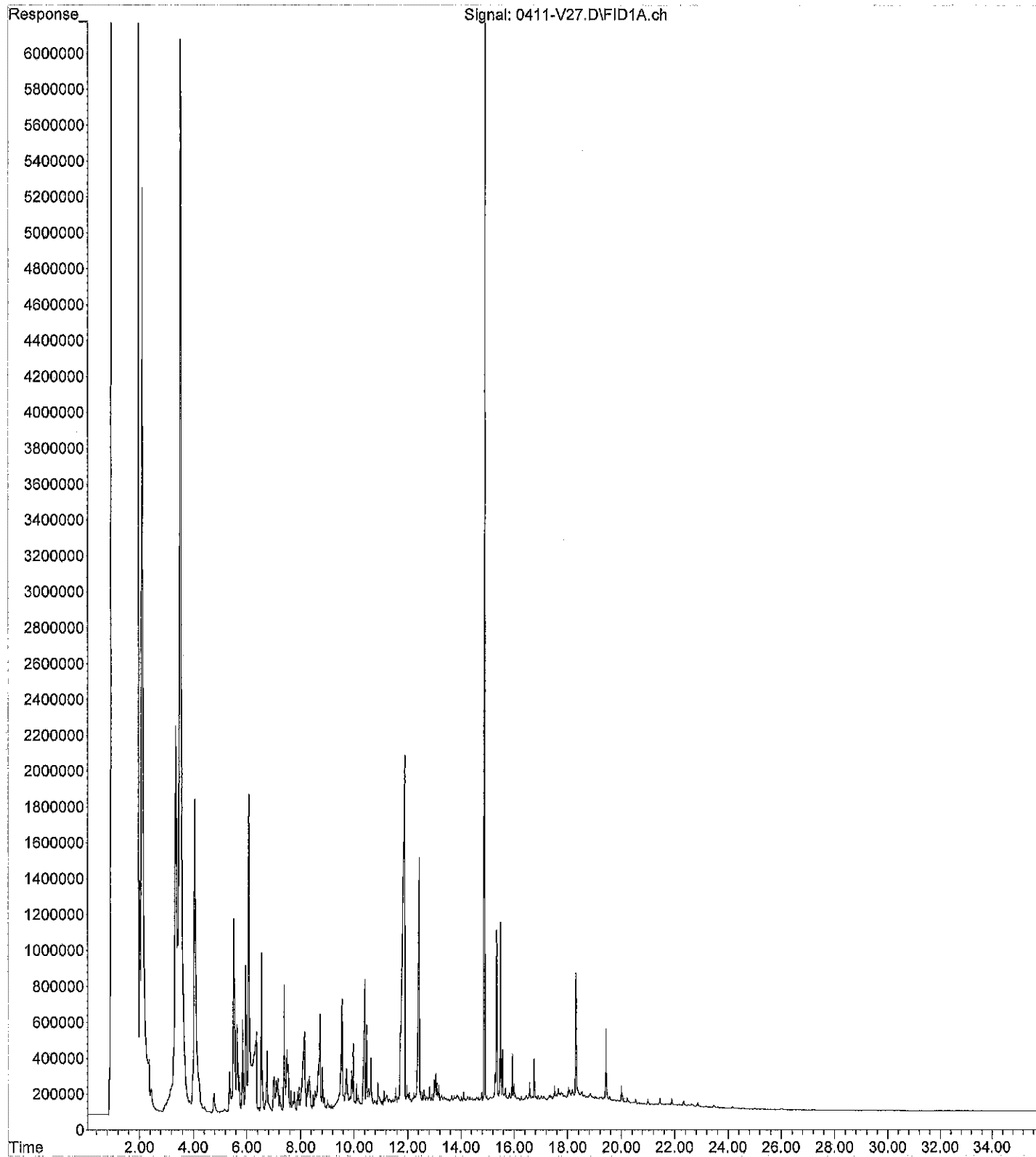
File :X:\DIESELS\TERI\DATA\T170411.SEC\0411-T85.D
Operator : ZT
Acquired : 12 Apr 2017 8:37 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-097-31
Misc Info :
Vial Number: 85



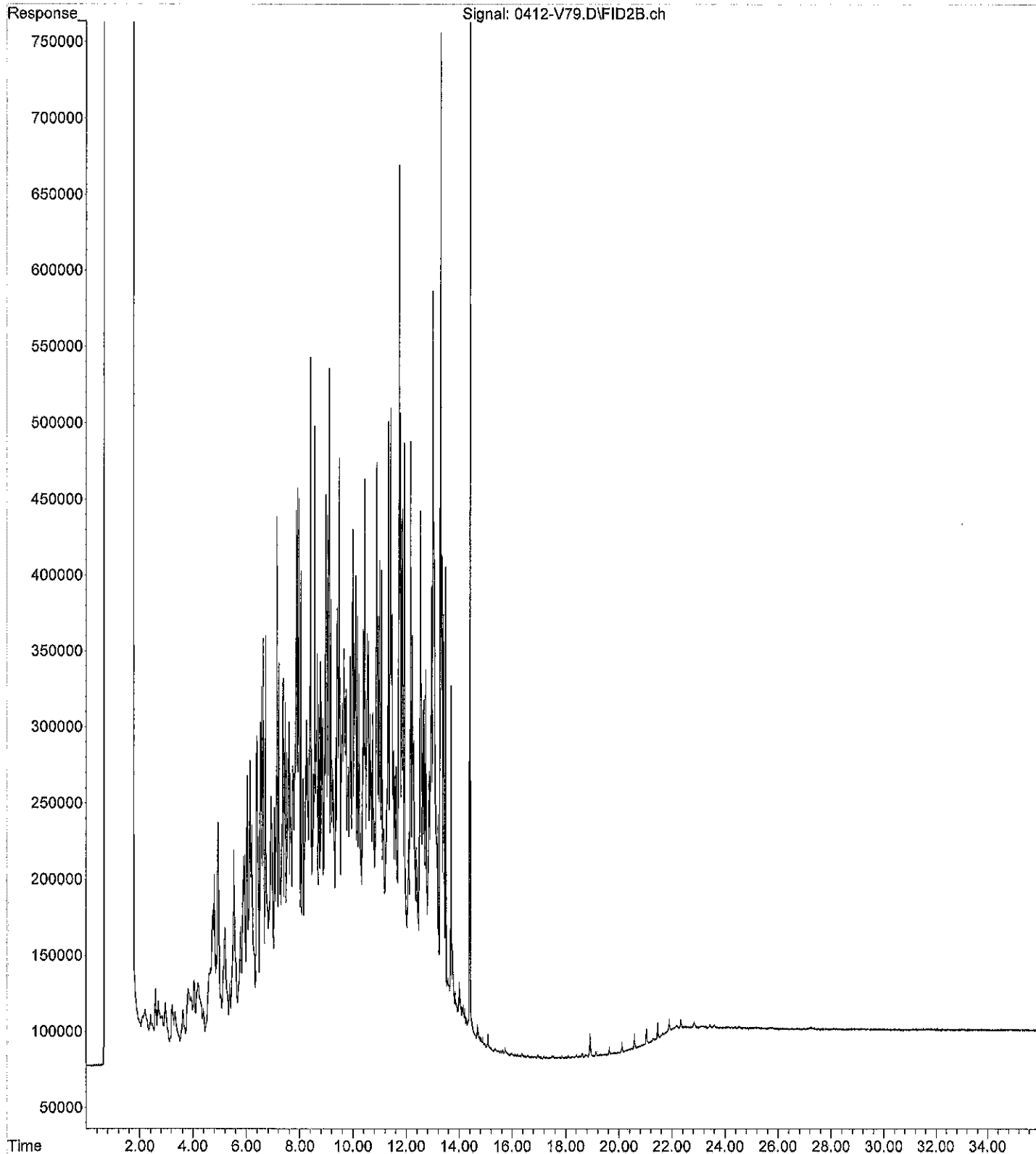
File :X:\DIESELS\VIGO\DATA\V170411\0411-V31.D
Operator :
Acquired : 12 Apr 2017 4:05 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-097-35
Misc Info :
Vial Number: 31



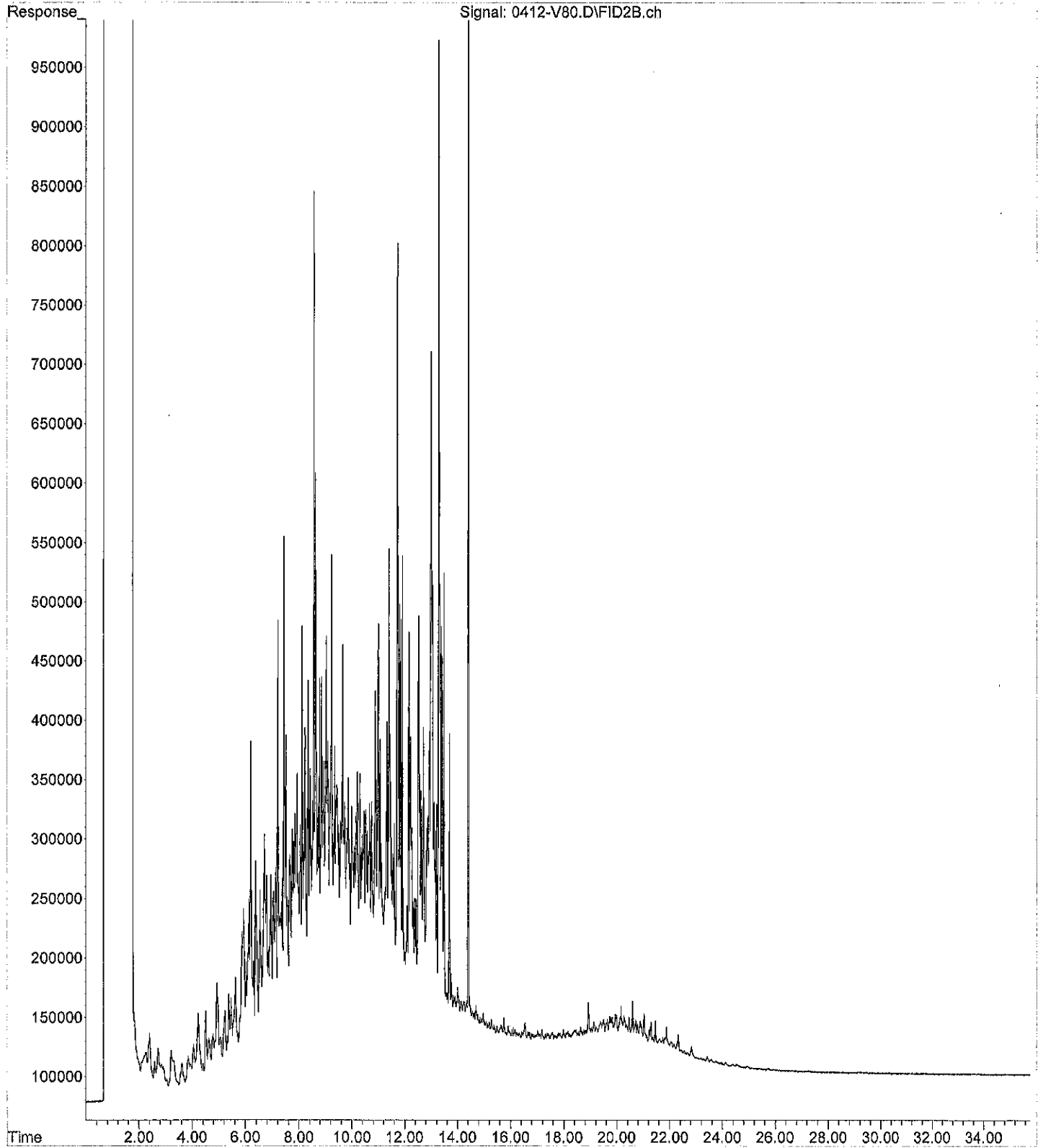
File :X:\DIESELS\VIGO\DATA\V170411\0411-V27.D
Operator :
Acquired : 12 Apr 2017 1:25 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-097-36
Misc Info :
Vial Number: 27



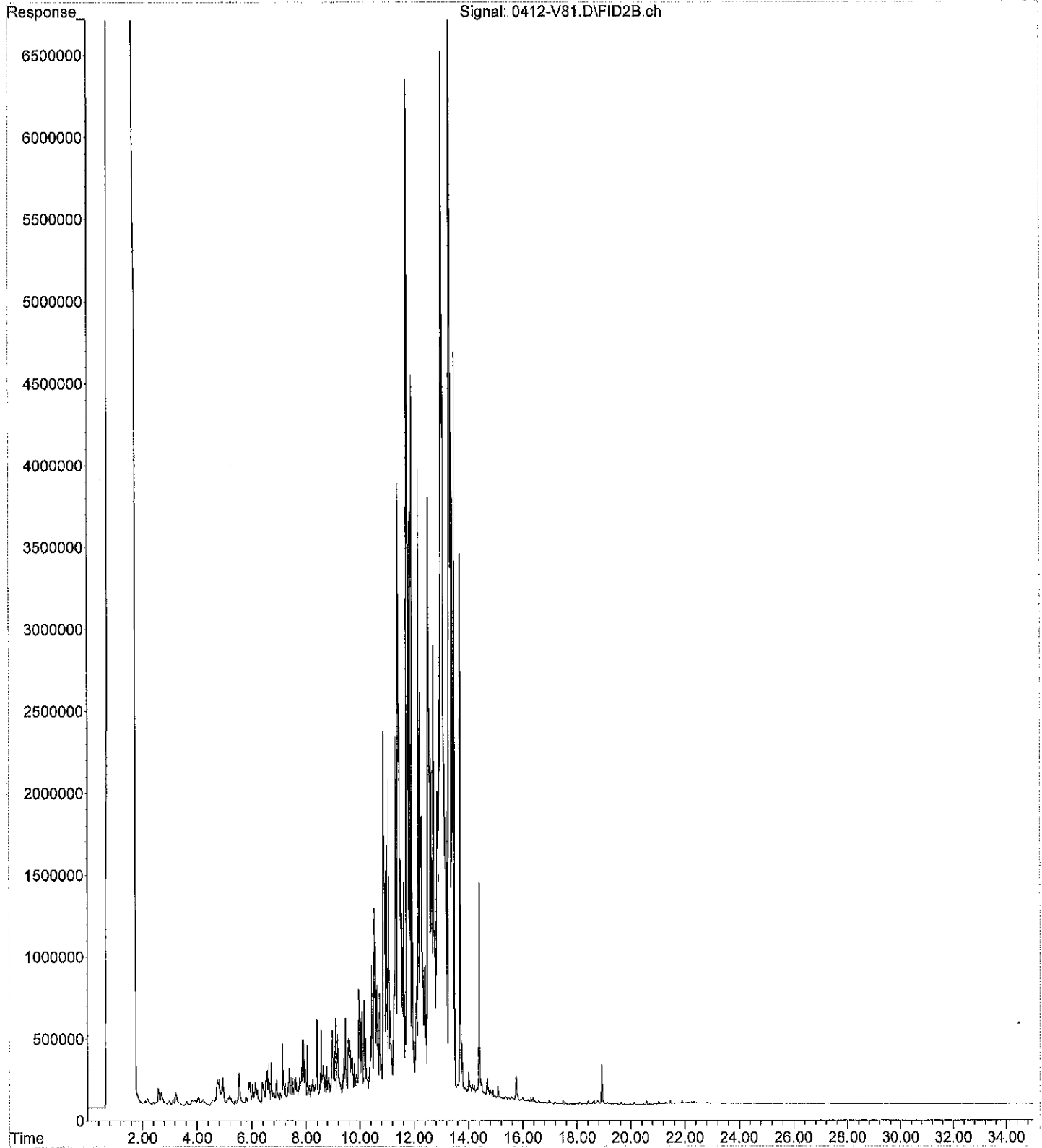
File :X:\DIESELS\VIGO\DATA\V170412.SEC\0412-V79.D
Operator :
Acquired : 13 Apr 2017 6:56 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-097-39 10X
Misc Info :
Vial Number: 79



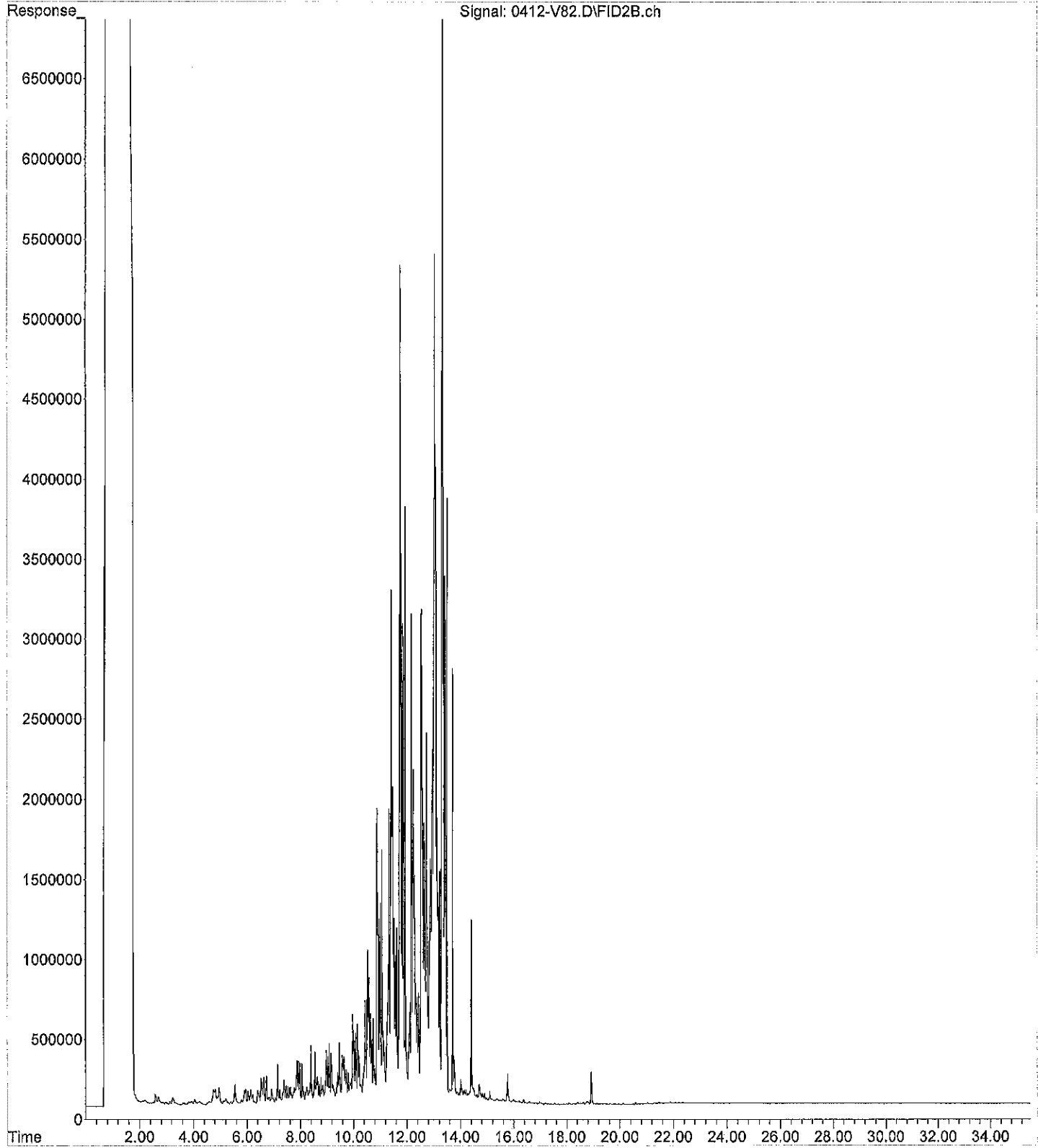
File :X:\DIESELS\VIGO\DATA\V170412.SEC\0412-V80.D
Operator :
Acquired : 13 Apr 2017 7:36 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-097-40 10X
Misc Info :
Vial Number: 80



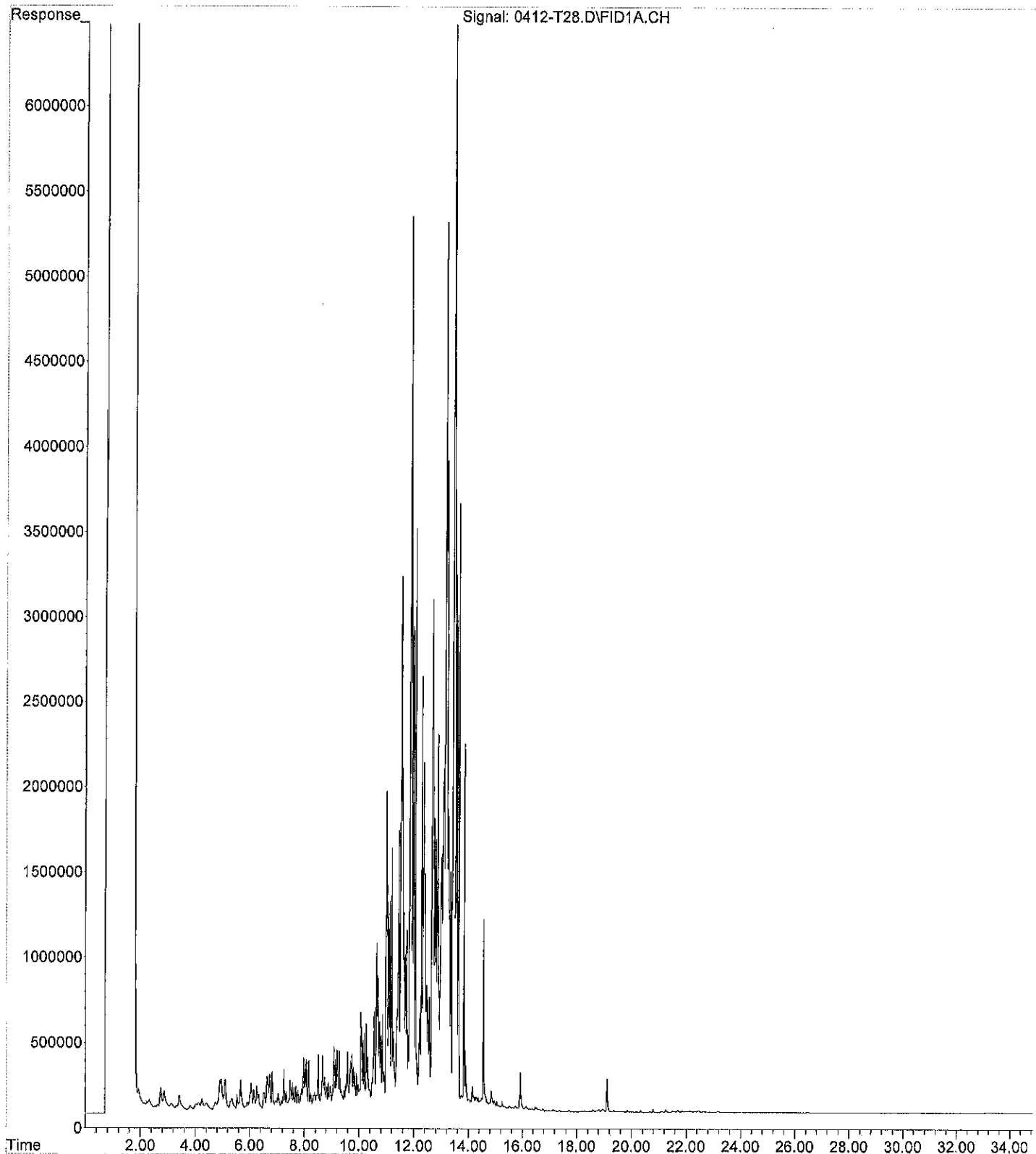
File :X:\DIESELS\VIGO\DATA\V170412.SEC\0412-V81.D
Operator :
Acquired : 13 Apr 2017 8:16 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-097-42 10X
Misc Info :
Vial Number: 81



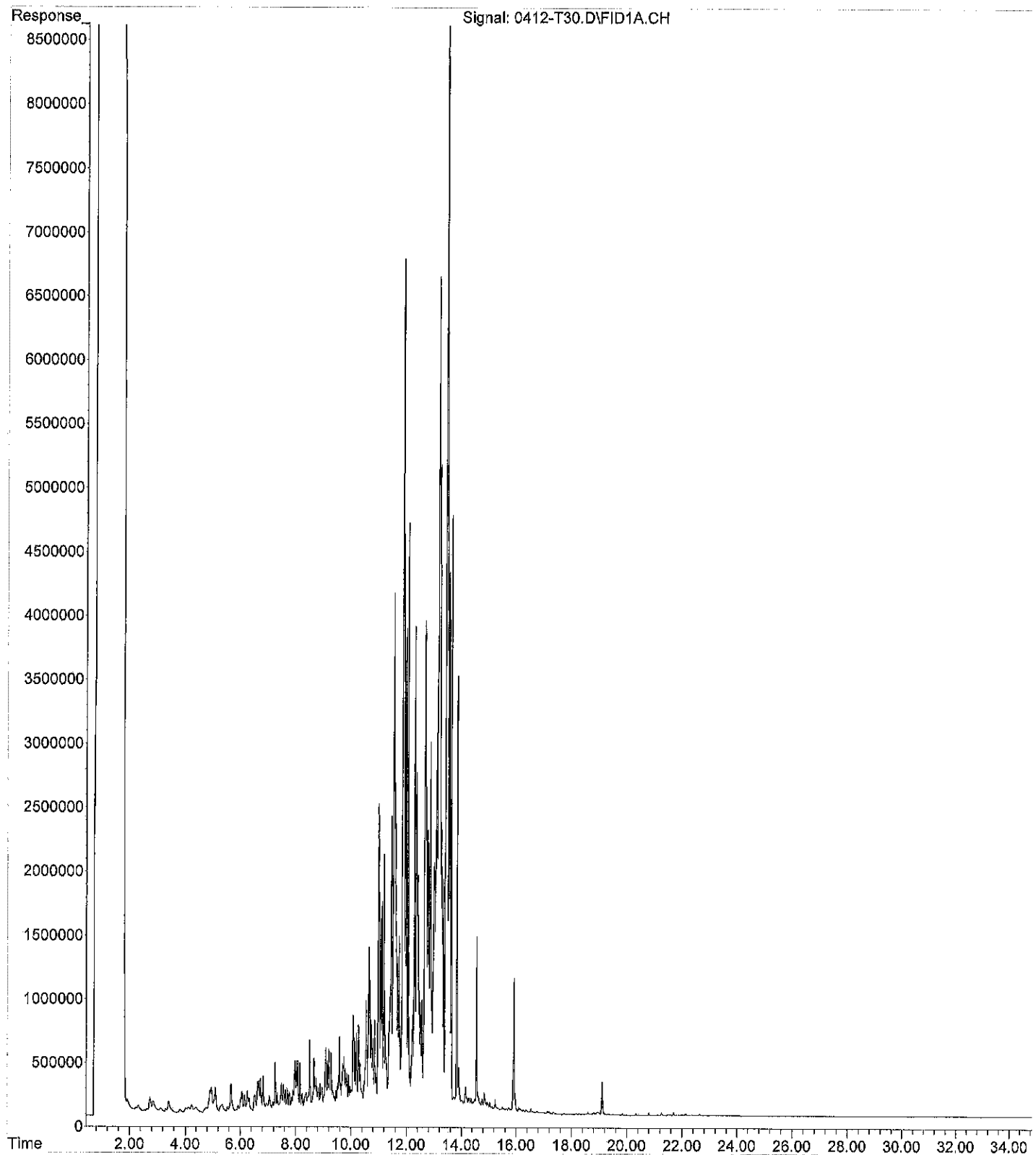
File :X:\DIESELS\VIGO\DATA\V170412.SEC\0412-V82.D
Operator :
Acquired : 13 Apr 2017 8:56 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-097-43 10X
Misc Info :
Vial Number: 82



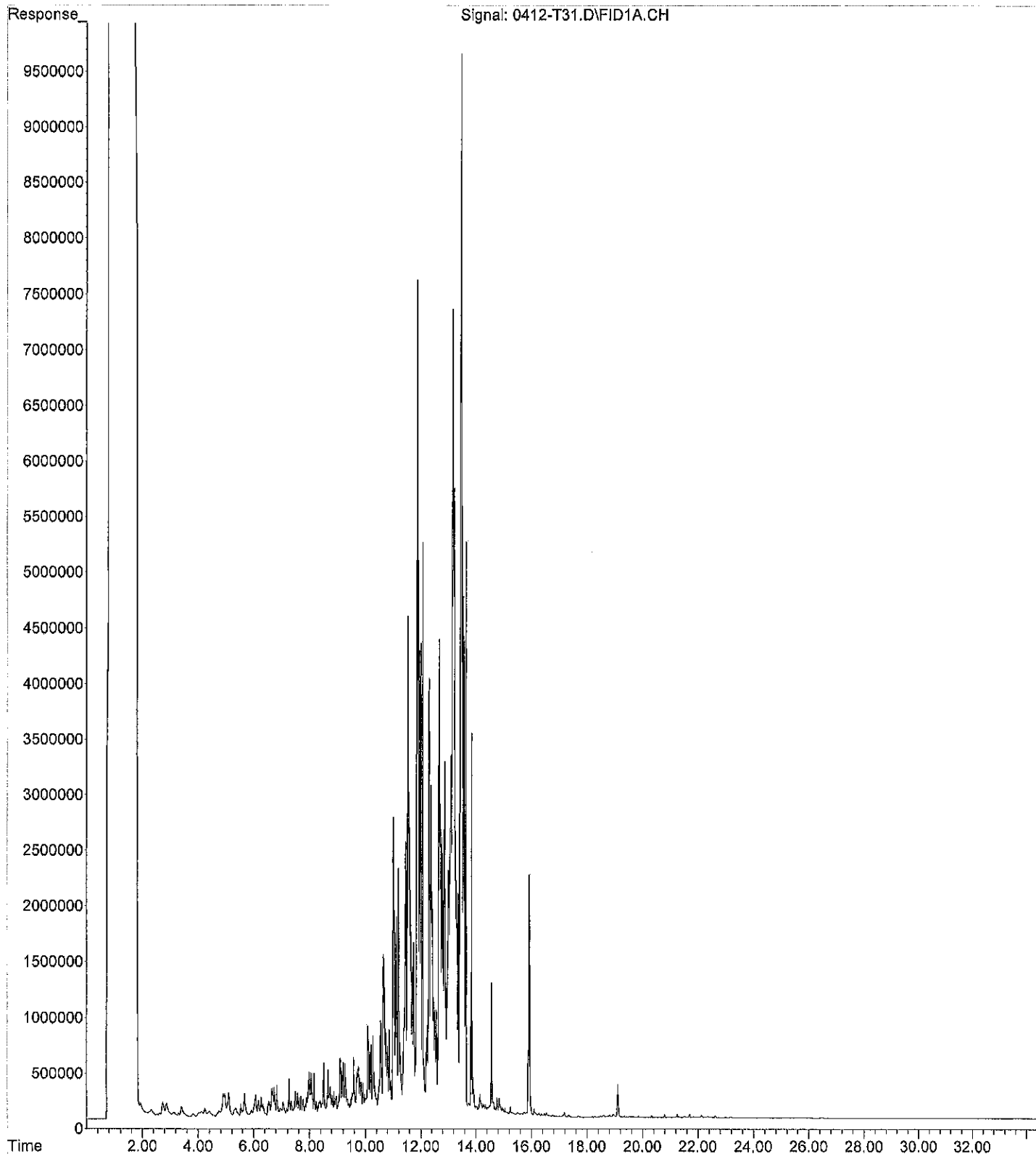
File : X:\DIESELS\TERI\DATA\T170412\0412-T28.D
Operator : ZT
Acquired : 13 Apr 2017 8:08 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-097-44 10X
Misc Info :
Vial Number: 28



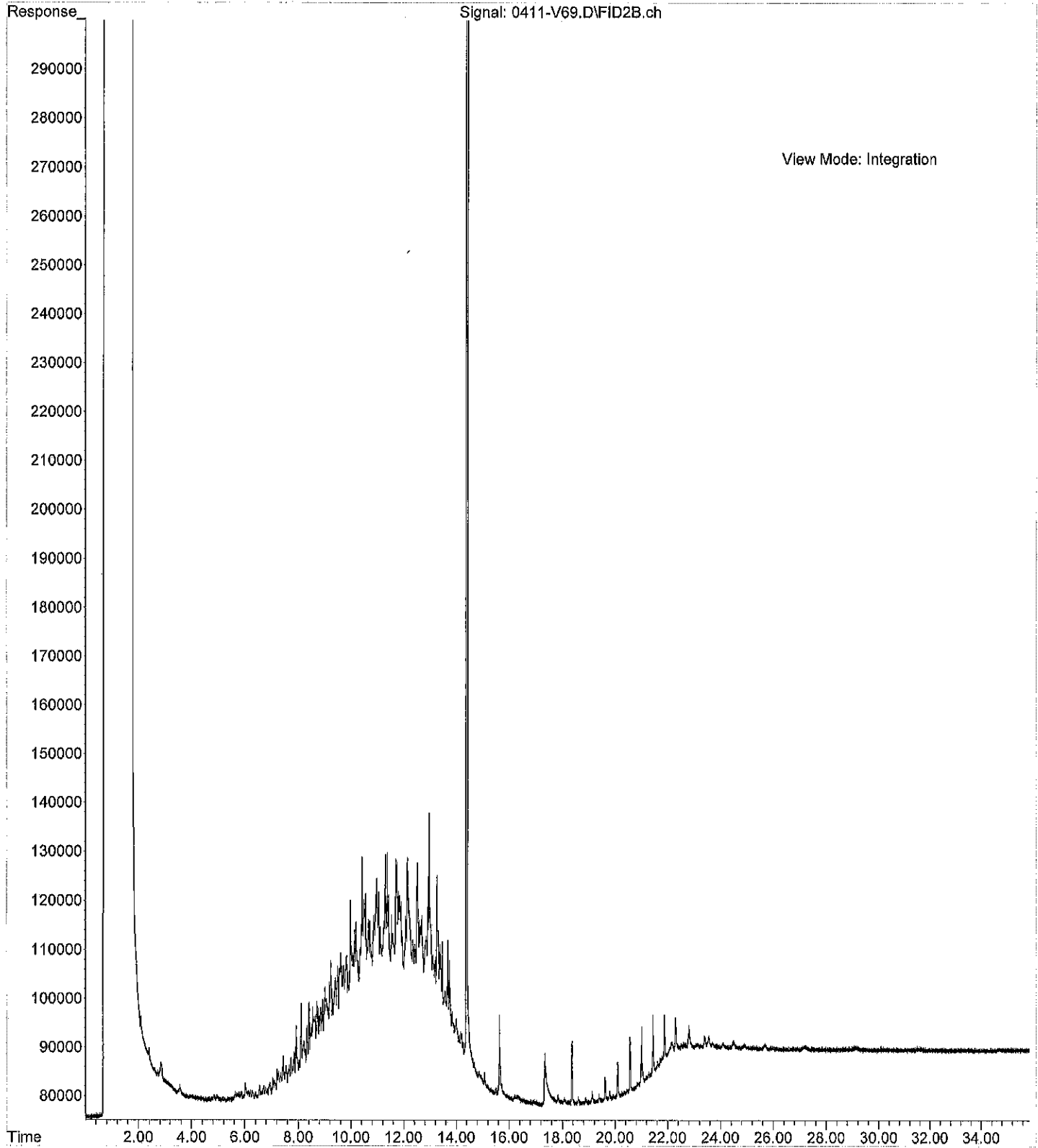
File :X:\DIESELS\TERI\DATA\T170412\0412-T30.D
Operator : ZT
Acquired : 13 Apr 2017 9:34 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-097-45 10X
Misc Info :
Vial Number: 30



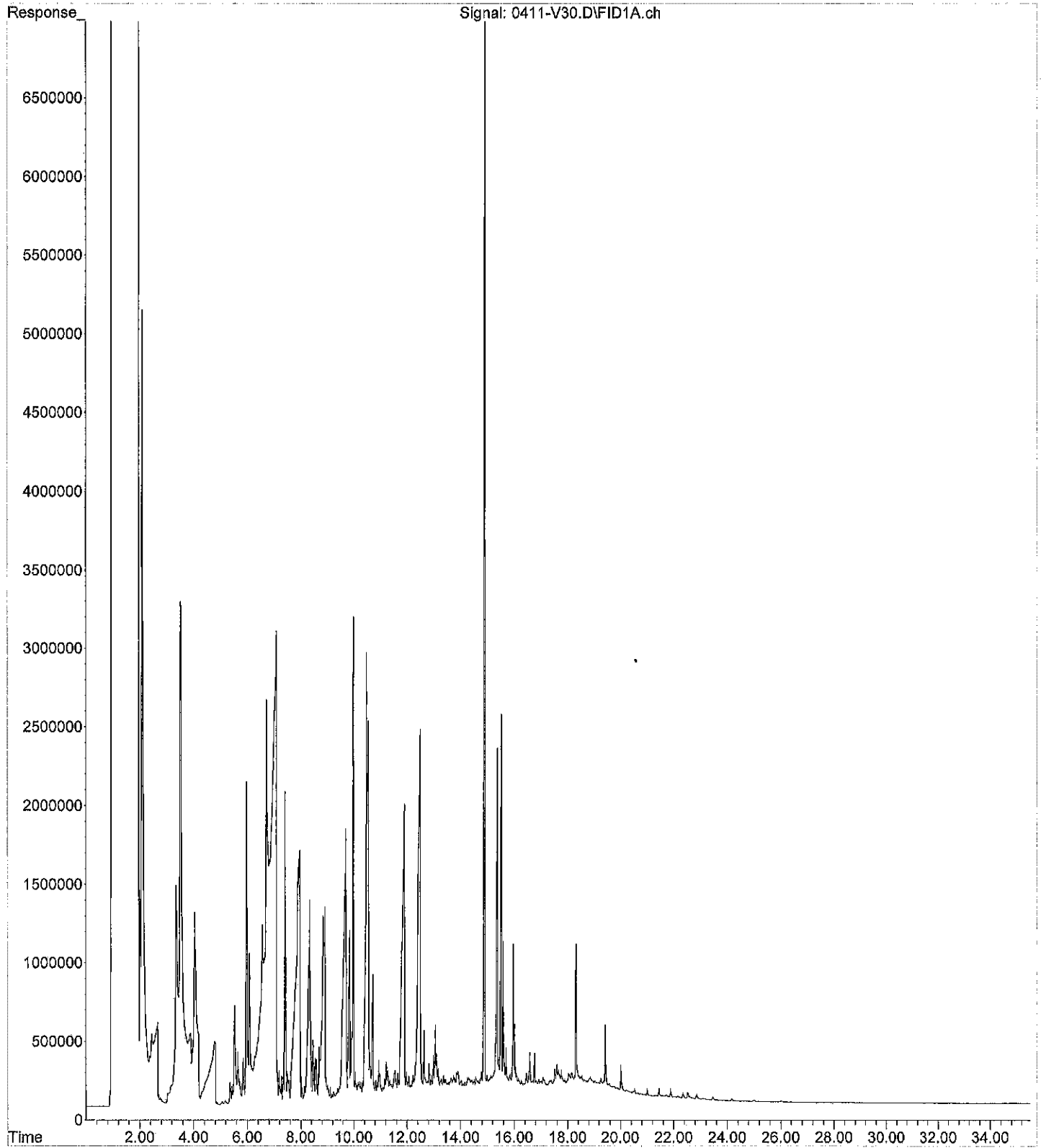
File : X:\DIESELS\TERI\DATA\T170412\0412-T31.D
Operator : ZT
Acquired : 13 Apr 2017 10:17 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-097-46 10X
Misc Info :
Vial Number: 31



File :X:\DIESELS\VIGO\DATA\V170411.SEC\0411-V69.D
Operator :
Acquired : 11 Apr 2017 20:07 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-097-47
Misc Info :
Vial Number: 69



File :X:\DIESELS\VIGO\DATA\V170411\0411-V30.D
Operator :
Acquired : 12 Apr 2017 3:25 using AcqMethod V170313F.M
Instrument : Vigo
Sample Name: 04-097-48
Misc Info :
Vial Number: 30





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 17, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-122

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 12, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

Case Narrative

Samples were collected on April 11, 2017 and received by the laboratory on April 12, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

HEM-Oil and Grease EPA 1664A Analysis

Duplicate samples with the ID BH-2-041117 were composited in the lab prior to extraction. The initial volume was brought to 1000mL with deionized water.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | STP-11 | | | | | |
| Laboratory ID: | 04-122-01 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.059 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.059 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.059 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.059 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 5.9 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>77</i> | <i>63-124</i> | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0413S1 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 72 | 63-124 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-122-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 77 | 75 | 63-124 | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|----------|-------|------|------|----|-----|--------|---|----|
| Laboratory ID: | SB0413S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 0.861 | 0.851 | 1.00 | 1.00 | 86 | 85 | 70-124 | 1 | 12 |
| Toluene | 0.894 | 0.875 | 1.00 | 1.00 | 89 | 88 | 73-119 | 2 | 12 |
| Ethyl Benzene | 0.910 | 0.895 | 1.00 | 1.00 | 91 | 90 | 74-117 | 2 | 12 |
| m,p-Xylene | 0.910 | 0.894 | 1.00 | 1.00 | 91 | 89 | 75-117 | 2 | 13 |
| o-Xylene | 0.923 | 0.896 | 1.00 | 1.00 | 92 | 90 | 75-116 | 3 | 12 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | 85 | 82 | 63-124 | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | BH-2-041117 | | | | | |
| Laboratory ID: | 04-122-02 | | | | | |
| Benzene | ND | 4.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Toluene | ND | 4.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Ethyl Benzene | 13 | 4.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| m,p-Xylene | 22 | 4.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| o-Xylene | 17 | 4.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Gasoline | 1900 | 400 | NWTPH-Gx | 4-12-17 | 4-12-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>94</i> | <i>61-118</i> | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0412W2 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-12-17 | 4-12-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 97 | 61-118 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-075-02 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 99 | 97 | 61-118 | | |

MATRIX SPIKES

| | | | | | | | | | | |
|----------------------|-----------|------|------|------|----|-----|-----|--------|---|----|
| Laboratory ID: | 04-075-01 | | | | | | | | | |
| | MS | MSD | MS | MSD | | MS | MSD | | | |
| Benzene | 49.4 | 48.7 | 50.0 | 50.0 | ND | 99 | 97 | 80-120 | 1 | 13 |
| Toluene | 51.3 | 49.8 | 50.0 | 50.0 | ND | 103 | 100 | 81-115 | 3 | 14 |
| Ethyl Benzene | 51.8 | 50.7 | 50.0 | 50.0 | ND | 104 | 101 | 81-114 | 2 | 12 |
| m,p-Xylene | 52.6 | 50.5 | 50.0 | 50.0 | ND | 105 | 101 | 81-114 | 4 | 13 |
| o-Xylene | 51.6 | 50.3 | 50.0 | 50.0 | ND | 103 | 101 | 81-113 | 3 | 11 |
| <i>Surrogate:</i> | | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | | 99 | 89 | 61-118 | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-7-17.3 | | | | | |
| Laboratory ID: | 04-122-03 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.061 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.061 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.061 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.061 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 6.1 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 86 | 63-124 | | | | |
| Client ID: | MW-8-12.8 | | | | | |
| Laboratory ID: | 04-122-04 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.060 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.060 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.060 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.060 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 6.0 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 86 | 63-124 | | | | |
| Client ID: | RW-1-17.5 | | | | | |
| Laboratory ID: | 04-122-07 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.069 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.069 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.069 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.069 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 6.9 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 90 | 63-124 | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-7-13.0 | | | | | |
| Laboratory ID: | 04-122-08 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.058 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.058 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.058 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.058 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 5.8 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>89</i> | <i>63-124</i> | | | | |
| Client ID: | MW-8-15.0 | | | | | |
| Laboratory ID: | 04-122-09 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.043 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.043 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.043 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.043 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 4.3 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>80</i> | <i>63-124</i> | | | | |
| Client ID: | MW-8-17.5 | | | | | |
| Laboratory ID: | 04-122-10 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.055 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.055 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.055 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.055 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 5.5 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>90</i> | <i>63-124</i> | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0413S1 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-13-17 | 4-13-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-13-17 | 4-13-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 72 | 63-124 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-122-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 77 | 75 | 63-124 | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|----------|-------|------|------|----|-----|--------|---|----|
| Laboratory ID: | SB0413S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 0.861 | 0.851 | 1.00 | 1.00 | 86 | 85 | 70-124 | 1 | 12 |
| Toluene | 0.894 | 0.875 | 1.00 | 1.00 | 89 | 88 | 73-119 | 2 | 12 |
| Ethyl Benzene | 0.910 | 0.895 | 1.00 | 1.00 | 91 | 90 | 74-117 | 2 | 12 |
| m,p-Xylene | 0.910 | 0.894 | 1.00 | 1.00 | 91 | 89 | 75-117 | 2 | 13 |
| o-Xylene | 0.923 | 0.896 | 1.00 | 1.00 | 92 | 90 | 75-116 | 3 | 12 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | 85 | 82 | 63-124 | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | STP-11 | | | | | |
| Laboratory ID: | 04-122-01 | | | | | |
| Diesel Range Organics | 350 | 270 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 550 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0412S2 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>85</i> | <i>50-150</i> | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|--------------------|-----------|-------------|---------------|------------------|-----------------|---------------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-059-05 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range | ND | ND | NA | NA | NA | NA | NA | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | <i>117</i> | <i>109</i> | <i>50-150</i> | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | BH-2-041117 | | | | | |
| Laboratory ID: | 04-122-02 | | | | | |
| Diesel Range Organics | 100 | 2.6 | NWTPH-Dx | 4-12-17 | 4-14-17 | |
| Lube Oil Range Organics | 10 | 4.2 | NWTPH-Dx | 4-12-17 | 4-14-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0412W1 | | | | | |
| Diesel Range Organics | ND | 0.25 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 0.40 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>88</i> | <i>50-150</i> | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-------------|-------------|---------------|------------------|-----------------|---------------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-075-11 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 2.82 | 2.43 | NA | NA | NA | NA | 15 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | <i>90</i> | <i>82</i> | <i>50-150</i> | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-7-17.3 | | | | | |
| Laboratory ID: | 04-122-03 | | | | | |
| Diesel Range Organics | ND | 29 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 58 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 98 | 50-150 | | | | |
| Client ID: | MW-8-12.8 | | | | | |
| Laboratory ID: | 04-122-04 | | | | | |
| Diesel Range Organics | 1400 | 28 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 116 | 50-150 | | | | |
| Client ID: | RW-1-17.5 | | | | | |
| Laboratory ID: | 04-122-07 | | | | | |
| Diesel Range Organics | ND | 32 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 63 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 118 | 50-150 | | | | |
| Client ID: | MW-7-13.0 | | | | | |
| Laboratory ID: | 04-122-08 | | | | | |
| Diesel Range Organics | 160 | 28 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 106 | 50-150 | | | | |
| Client ID: | MW-8-15.0 | | | | | |
| Laboratory ID: | 04-122-09 | | | | | |
| Diesel Range Organics | 100 | 26 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 51 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 116 | 50-150 | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-8-17.5 | | | | | |
| Laboratory ID: | 04-122-10 | | | | | |
| Diesel Range Organics | 230 | 28 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>116</i> | <i>50-150</i> | | | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0412S2 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-12-17 | 4-12-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>85</i> | <i>50-150</i> | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-------------|-------------|---------------|------------------|-----------------|---------------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-122-04 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 1290 | 659 | NA | NA | NA | NA | 65 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | <i>116</i> | <i>110</i> | <i>50-150</i> | | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL METALS
 EPA 200.8/7470A**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | EPA Method | Date Prepared | Date Analyzed | Flags |
|-------------------|--------------------|------------|-------------------|----------------------|----------------------|--------------|
| Lab ID: | 04-122-02 | | | | | |
| Client ID: | BH-2-041117 | | | | | |
| Arsenic | 11 | 3.3 | 200.8 | 4-12-17 | 4-12-17 | |
| Barium | 110 | 28 | 200.8 | 4-12-17 | 4-12-17 | |
| Cadmium | ND | 4.4 | 200.8 | 4-12-17 | 4-12-17 | |
| Chromium | ND | 11 | 200.8 | 4-12-17 | 4-12-17 | |
| Lead | 1.9 | 1.1 | 200.8 | 4-12-17 | 4-12-17 | |
| Mercury | ND | 0.50 | 7470A | 4-13-17 | 4-13-17 | |
| Selenium | ND | 5.6 | 200.8 | 4-12-17 | 4-12-17 | |
| Silver | ND | 11 | 200.8 | 4-12-17 | 4-12-17 | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL METALS
 EPA 200.8
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-12-17
 Date Analyzed: 4-12-17

 Matrix: Water
 Units: ug/L (ppb)

 Lab ID: MB0412WM1

| Analyte | Method | Result | PQL |
|----------|--------|--------|-----|
| Arsenic | 200.8 | ND | 3.3 |
| Barium | 200.8 | ND | 28 |
| Cadmium | 200.8 | ND | 4.4 |
| Chromium | 200.8 | ND | 11 |
| Lead | 200.8 | ND | 1.1 |
| Selenium | 200.8 | ND | 5.6 |
| Silver | 200.8 | ND | 11 |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

**TOTAL MERCURY
EPA 7470A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-13-17
Date Analyzed: 4-13-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0413W1

| Analyte | Method | Result | PQL |
|---------|--------|-----------|------|
| Mercury | 7470A | ND | 0.50 |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL METALS
 EPA 200.8
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-12-17

Date Analyzed: 4-12-17

Matrix: Water

Units: ug/L (ppb)

Lab ID: 04-069-06

| Analyte | Sample Result | Duplicate Result | RPD | PQL | Flags |
|----------|---------------|------------------|-----|-----|-------|
| Arsenic | 19.1 | 20.8 | 9 | 3.3 | |
| Barium | 77.2 | 82.8 | 7 | 28 | |
| Cadmium | ND | ND | NA | 4.4 | |
| Chromium | ND | ND | NA | 11 | |
| Lead | ND | ND | NA | 1.1 | |
| Selenium | ND | ND | NA | 5.6 | |
| Silver | ND | ND | NA | 11 | |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

**TOTAL MERCURY
EPA 7470A
DUPLICATE QUALITY CONTROL**

Date Extracted: 4-13-17

Date Analyzed: 4-13-17

Matrix: Water

Units: ug/L (ppb)

Lab ID: 04-075-01

| Analyte | Sample Result | Duplicate Result | RPD | PQL | Flags |
|---------|---------------|------------------|-----|------|-------|
| Mercury | ND | ND | NA | 0.50 | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL METALS
 EPA 200.8
 MS/MSD QUALITY CONTROL**

Date Extracted: 4-12-17

Date Analyzed: 4-12-17

Matrix: Water

Units: ug/L (ppb)

Lab ID: 04-069-06

| Analyte | Spike Level | MS | Percent Recovery | MSD | Percent Recovery | RPD | Flags |
|----------|-------------|------------|------------------|------------|------------------|-----|-------|
| Arsenic | 222 | 267 | 112 | 259 | 108 | 3 | |
| Barium | 222 | 307 | 103 | 302 | 101 | 2 | |
| Cadmium | 222 | 237 | 107 | 235 | 106 | 1 | |
| Chromium | 222 | 231 | 104 | 227 | 102 | 2 | |
| Lead | 222 | 212 | 95 | 206 | 93 | 3 | |
| Selenium | 222 | 244 | 110 | 240 | 108 | 2 | |
| Silver | 222 | 229 | 103 | 222 | 100 | 3 | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL MERCURY
 EPA 7470A
 MS/MSD QUALITY CONTROL**

Date Extracted: 4-13-17

Date Analyzed: 4-13-17

Matrix: Water

Units: ug/L (ppb)

Lab ID: 04-075-01

| Analyte | Spike Level | MS | Percent Recovery | MSD | Percent Recovery | RPD | Flags |
|---------|-------------|-------------|------------------|-------------|------------------|-----|-------|
| Mercury | 12.5 | 12.1 | 96 | 11.9 | 95 | 1 | |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

**HEXANE EXTRACTABLE MATERIAL
OIL AND GREASE
EPA 1664A**

Matrix: Water
Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|--------------------|------------|---------------|----------------------|----------------------|--------------|
| Client ID: | BH-2-041117 | | | | | |
| Laboratory ID: | 04-122-02 Comp. | | | | | |
| Hexane Extractable Material | 40 | 5.7 | EPA 1664A | 4-13-17 | 4-13-17 | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**HEXANE EXTRACTABLE MATERIAL
 OIL AND GREASE
 EPA 1664A
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------|------------|---------------|----------------------|----------------------|--------------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0413W1 | | | | | |
| Hexane Extractable Material | ND | 5.0 | EPA 1664A | 4-13-17 | 4-13-17 | |

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|---------------------|---------------|------|--------------------|------|-------------------------|-----|------------------------|------------|------------------|--------------|
| SPIKE BLANKS | | | | | | | | | | |
| Laboratory ID: | SB0413W1 | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| HEM | 35.8 | 37.6 | 40.0 | 40.0 | 90 | 94 | 81-109 | 4 | 11 | |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

IGNITABILITY EPA 1010A

Matrix: Water
Units: deg F

| Analyte | Result | Method | Date Analyzed | Flags |
|-------------------|-------------------|---------------|----------------------|--------------|
| Client ID: | BH2-041117 | | | |
| Laboratory ID: | 04-122-02 | | | |
| Flash Point | 160 | EPA 1010A | 4-13-17 | |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

**TOTAL SUSPENDED SOLIDS
SM 2540D**

Matrix: Water
Units: mg/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|------------------------|--------------------|------------|---------------|----------------------|----------------------|--------------|
| Client ID: | BH-2-041117 | | | | | |
| Laboratory ID: | 04-122-02 | | | | | |
| Total Suspended Solids | 380 | 8.0 | SM 2540D | 4-13-17 | 4-13-17 | |



Date of Report: April 17, 2017
 Samples Submitted: April 12, 2017
 Laboratory Reference: 1704-122
 Project: 1001-002

**TOTAL SUSPENDED SOLIDS
 SM 2540D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|------------------------|-----------|-----|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0413W1 | | | | | |
| Total Suspended Solids | ND | 4.0 | SM 2540D | 4-13-17 | 4-13-17 | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|------------------------|------------|-------------|---------------|------------------|-----------------|-----|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-122-02 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Total Suspended Solids | 378 | 394 | NA | NA | NA | 4 | 20 | |

| | | | | | | | | |
|------------------------|-------------|-----|----|----|--------|----|----|--|
| SPIKE BLANK | | | | | | | | |
| Laboratory ID: | SB0413W1 | | | | | | | |
| | SB | SB | | SB | | | | |
| Total Suspended Solids | 93.0 | 100 | NA | 93 | 78-113 | NA | NA | |



Date of Report: April 17, 2017
Samples Submitted: April 12, 2017
Laboratory Reference: 1704-122
Project: 1001-002

% MOISTURE

Date Analyzed: 4-12-17

| Client ID | Lab ID | % Moisture |
|-----------|-----------|------------|
| STP-11 | 04-122-01 | 9 |
| MW-7-17.3 | 04-122-03 | 14 |
| MW-8-12.8 | 04-122-04 | 10 |
| RW-1-17.5 | 04-122-07 | 21 |
| MW-7-13.0 | 04-122-08 | 11 |
| MW-8-15.0 | 04-122-09 | 2 |
| MW-8-17.5 | 04-122-10 | 11 |



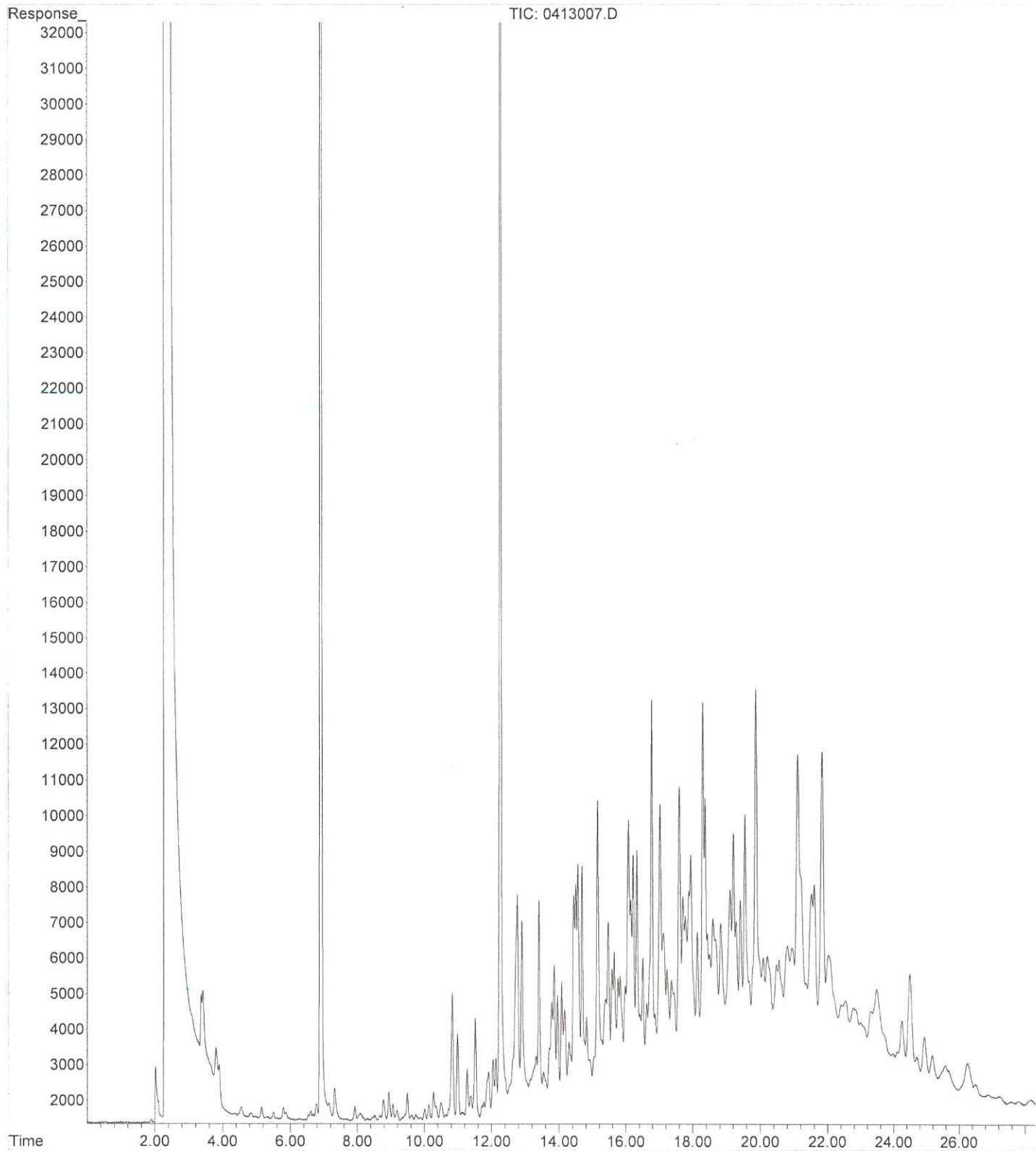


Data Qualifiers and Abbreviations

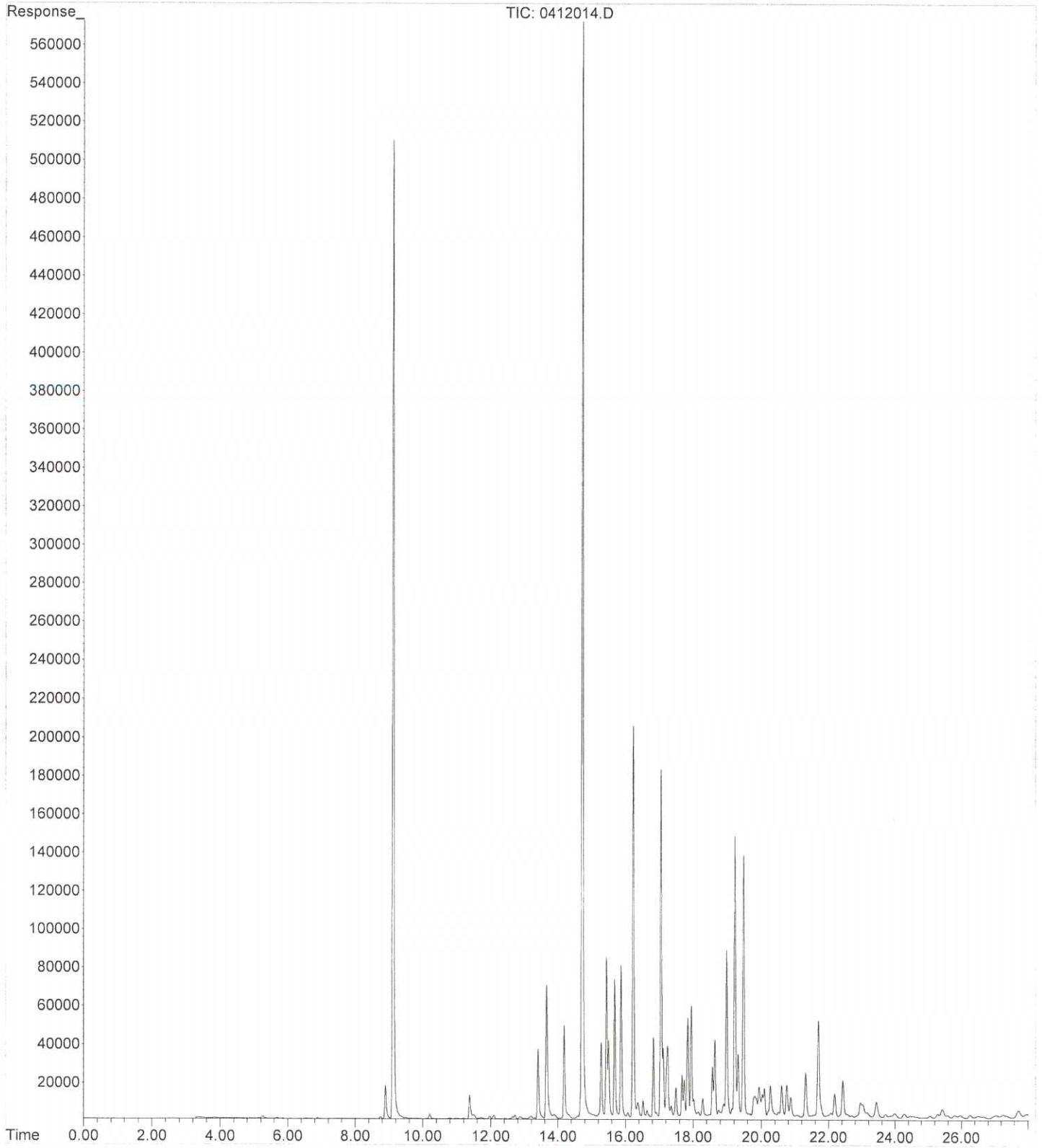
- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



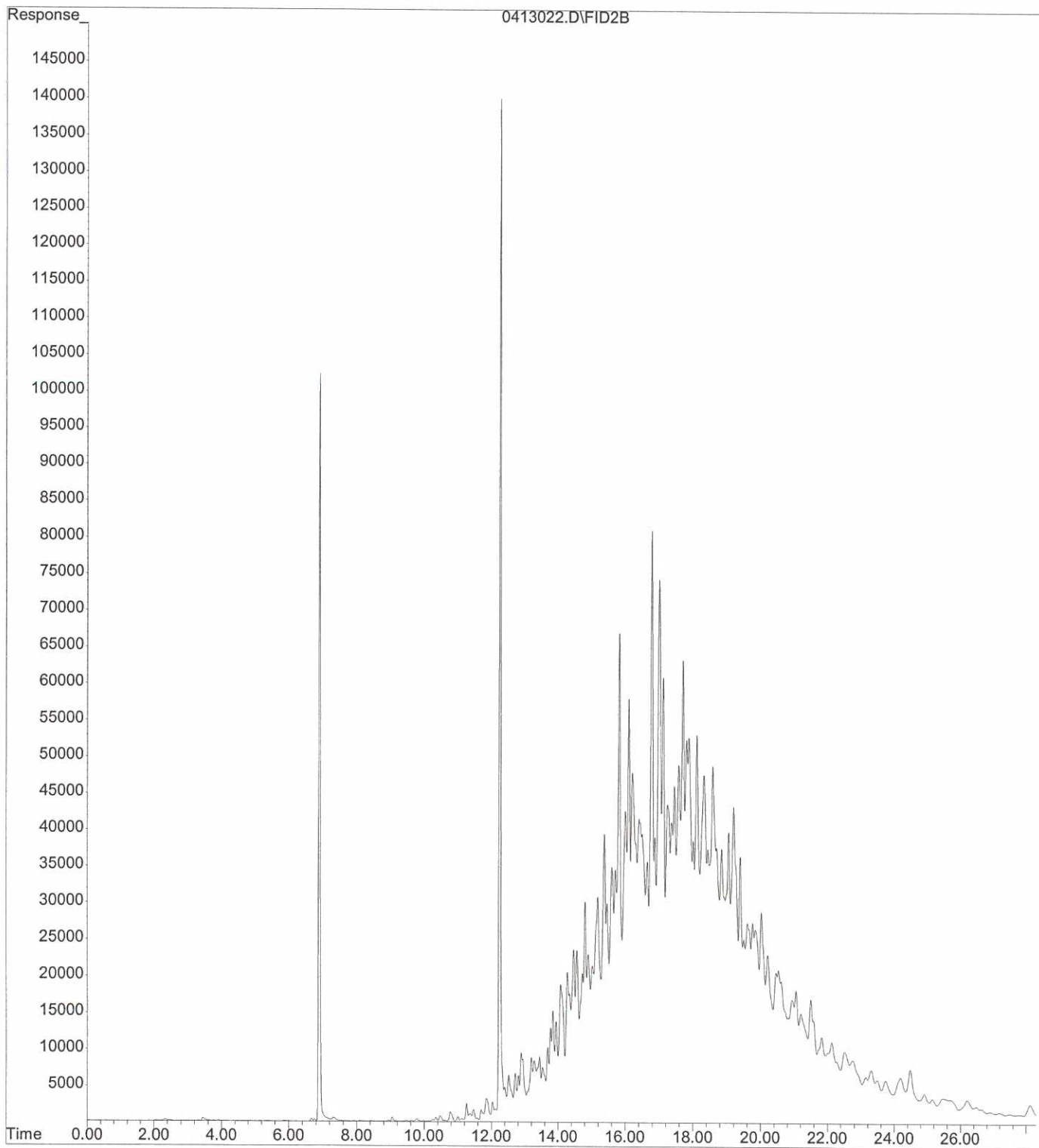
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Operator :
Acquired : 13 Apr 2017 2:05 pm using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-122-01s
Misc Info :
Vial Number: 7



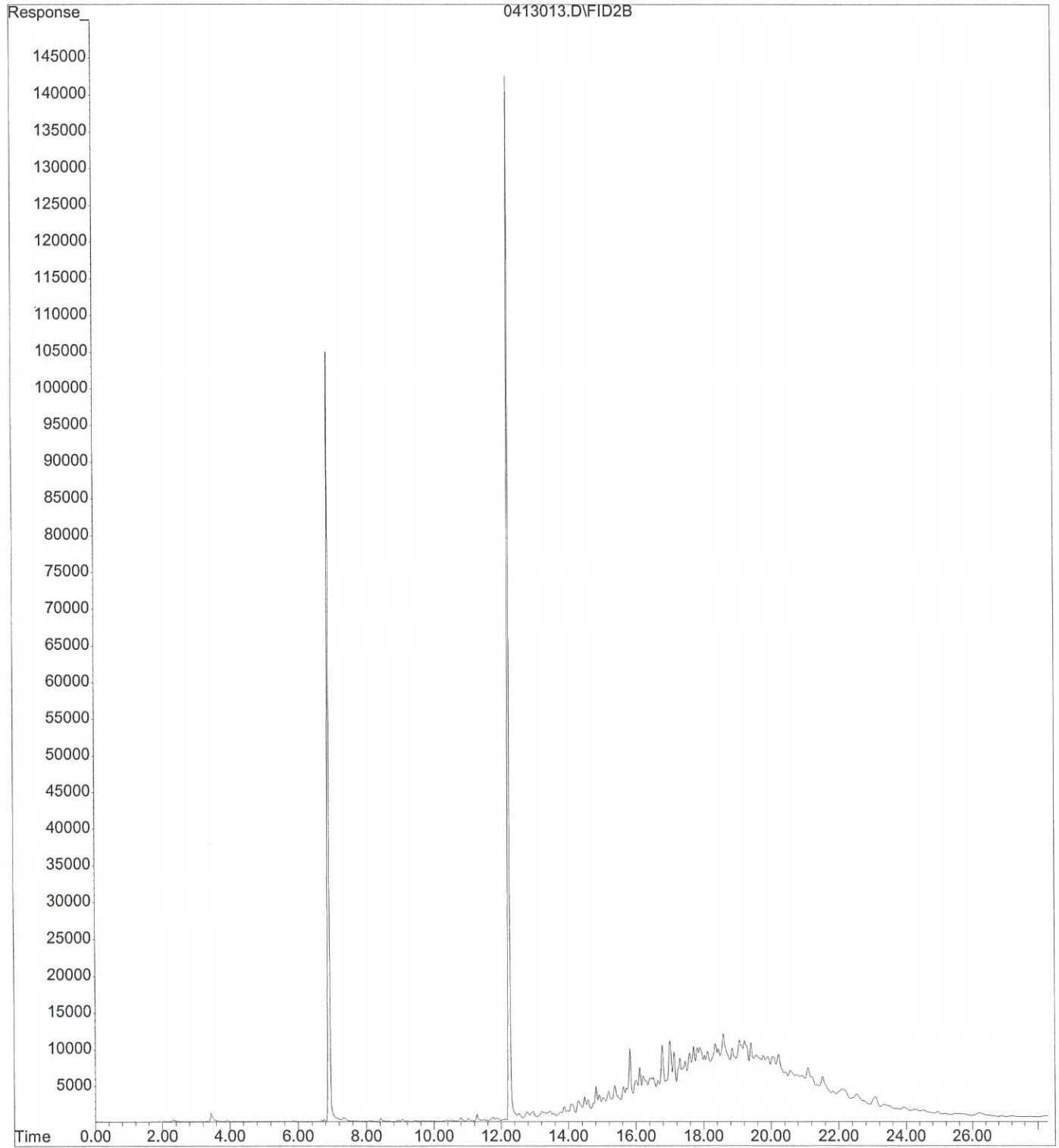
File :X:\BTEX\HOPE\DATA\H170412\0412014.D
Operator :
Acquired : 12 Apr 2017 6:33 pm using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-122-02h 1:4
Misc Info :
Vial Number: 14



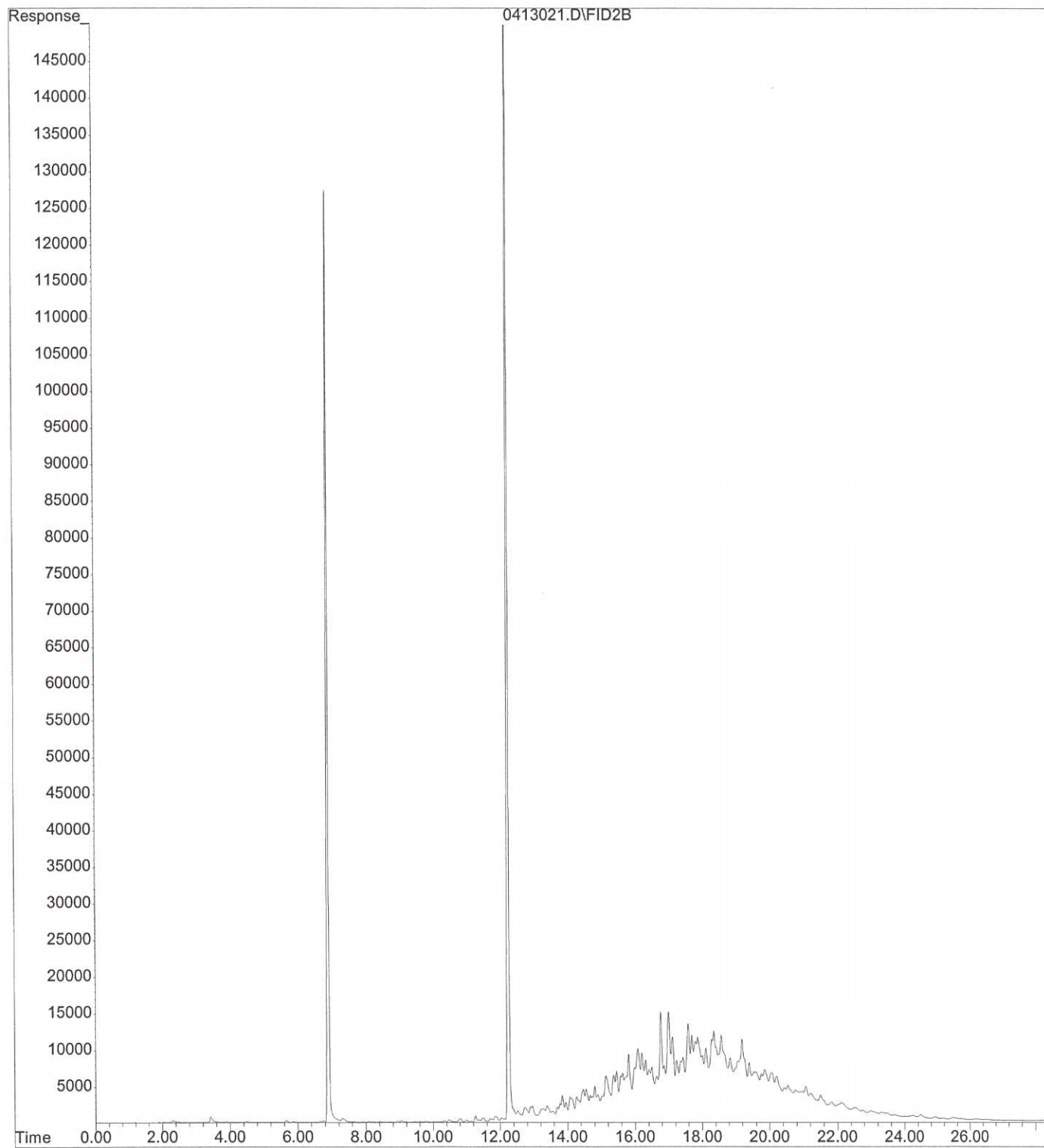
File : X:\BTEX\DARYL\DATA\D170413\0413022.D
Operator :
Acquired : 13 Apr 2017 22:41 using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-122-04s
Misc Info :
Vial Number: 22



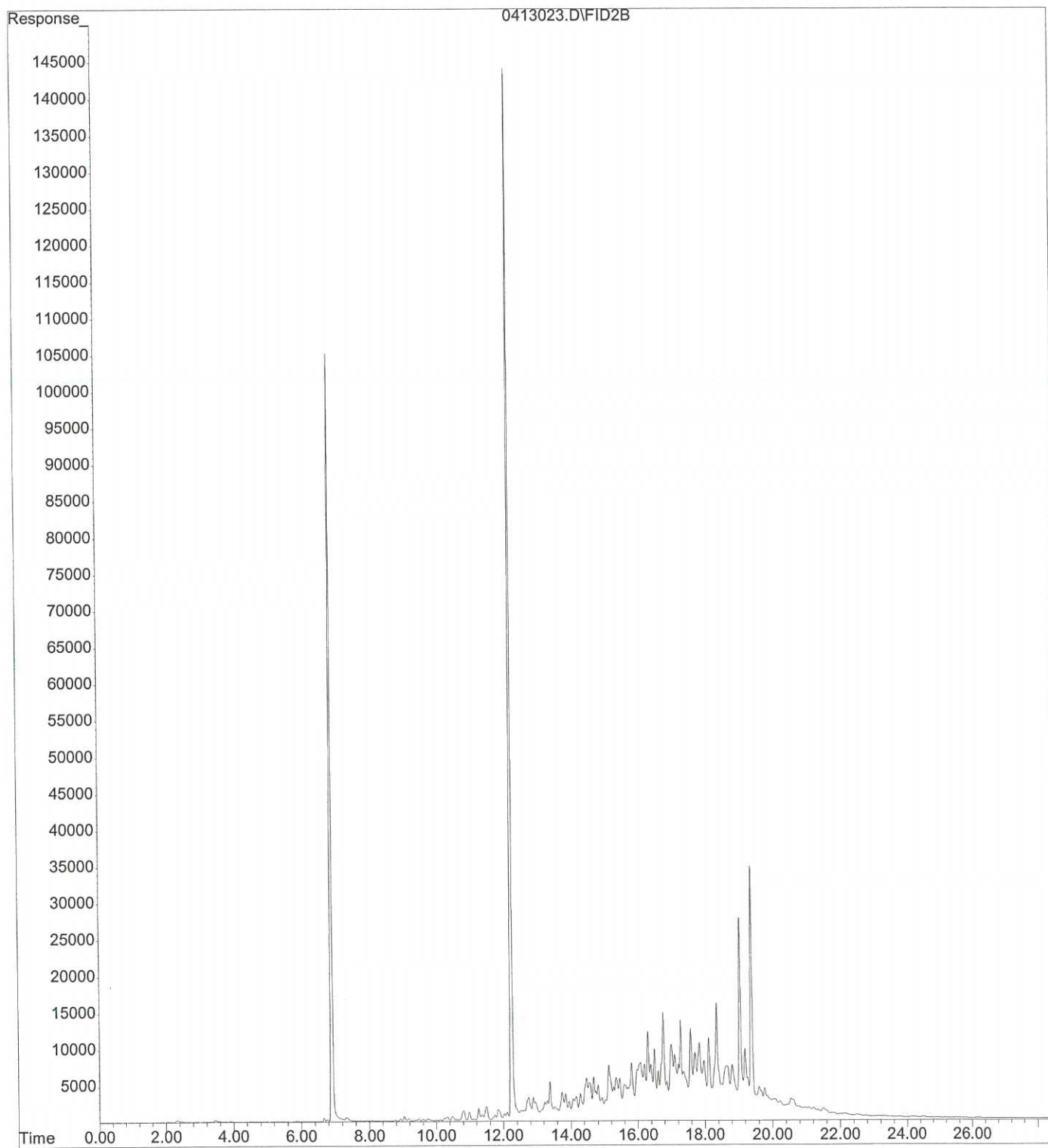
File : X:\BTEX\DARYL\DATA\D170413\0413013.D
Operator :
Acquired : 13 Apr 2017 17:39 using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-122-08s
Misc Info :
Vial Number: 13



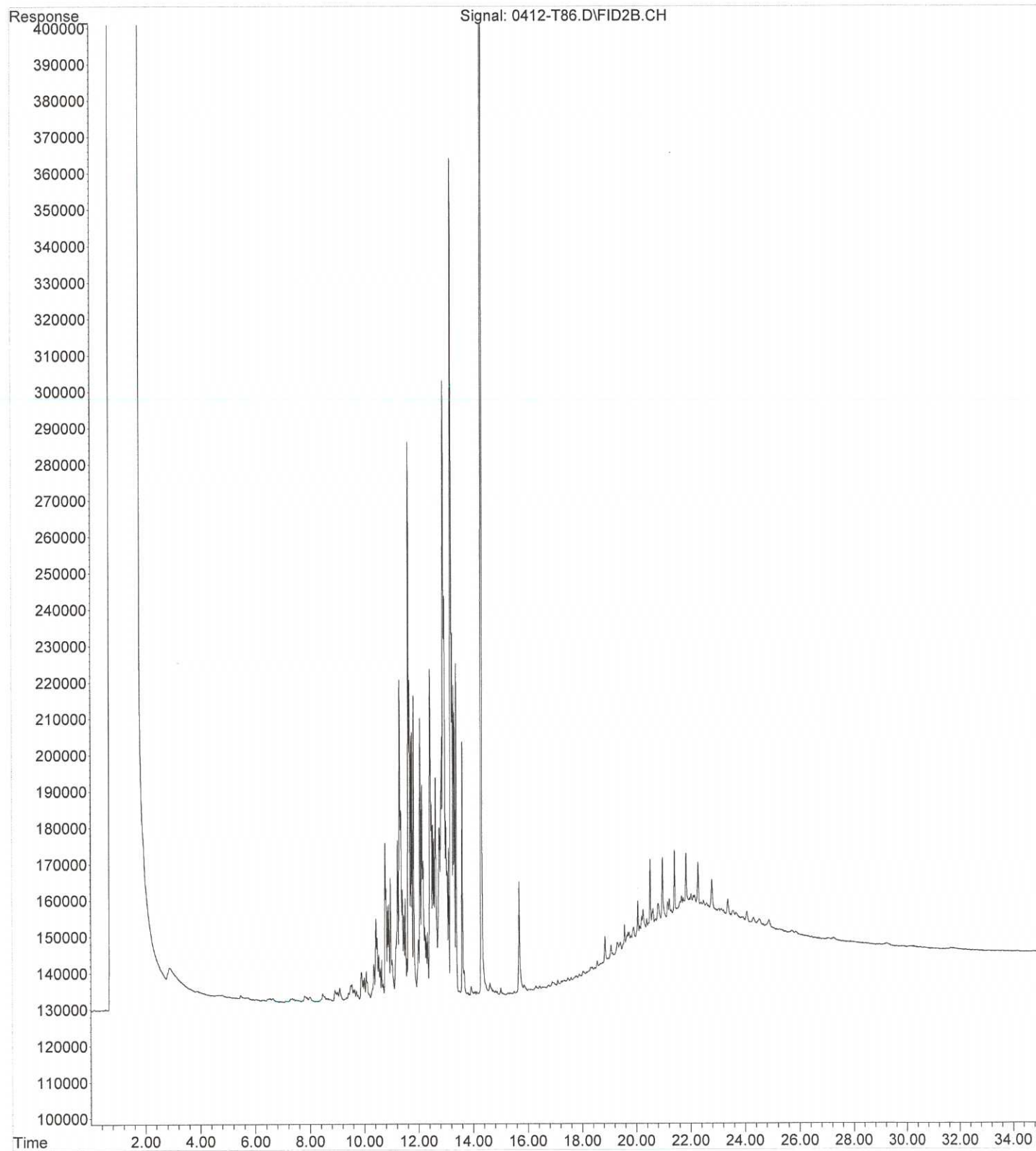
File : X:\BTEX\DARYL\DATA\D170413\0413021.D
Operator :
Acquired : 13 Apr 2017 22:08 using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-122-09s
Misc Info :
Vial Number: 21



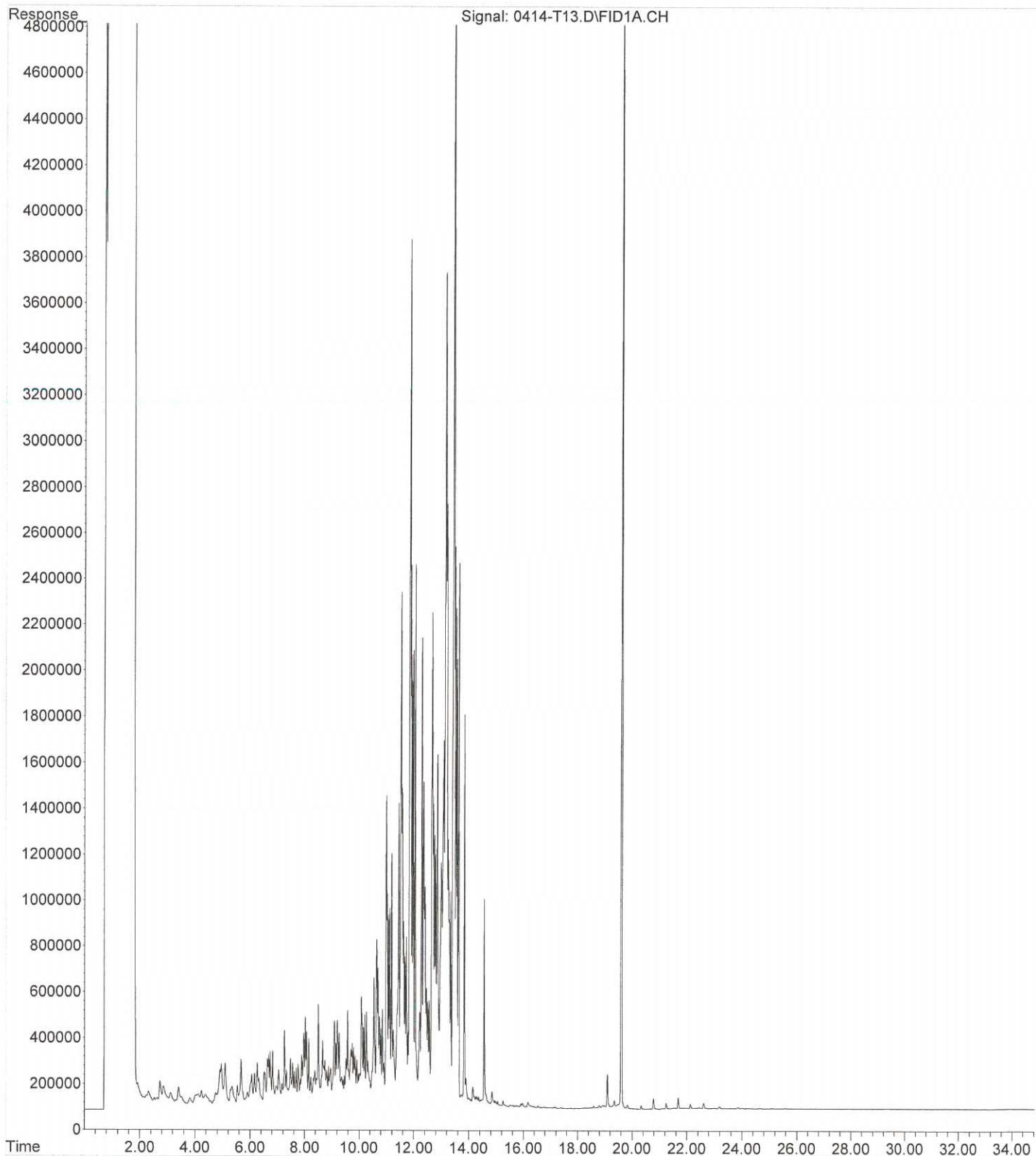
File : X:\BTEX\DARYL\DATA\D170413\0413023.D
Operator :
Acquired : 13 Apr 2017 23:15 using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-122-10s
Misc Info :
Vial Number: 23



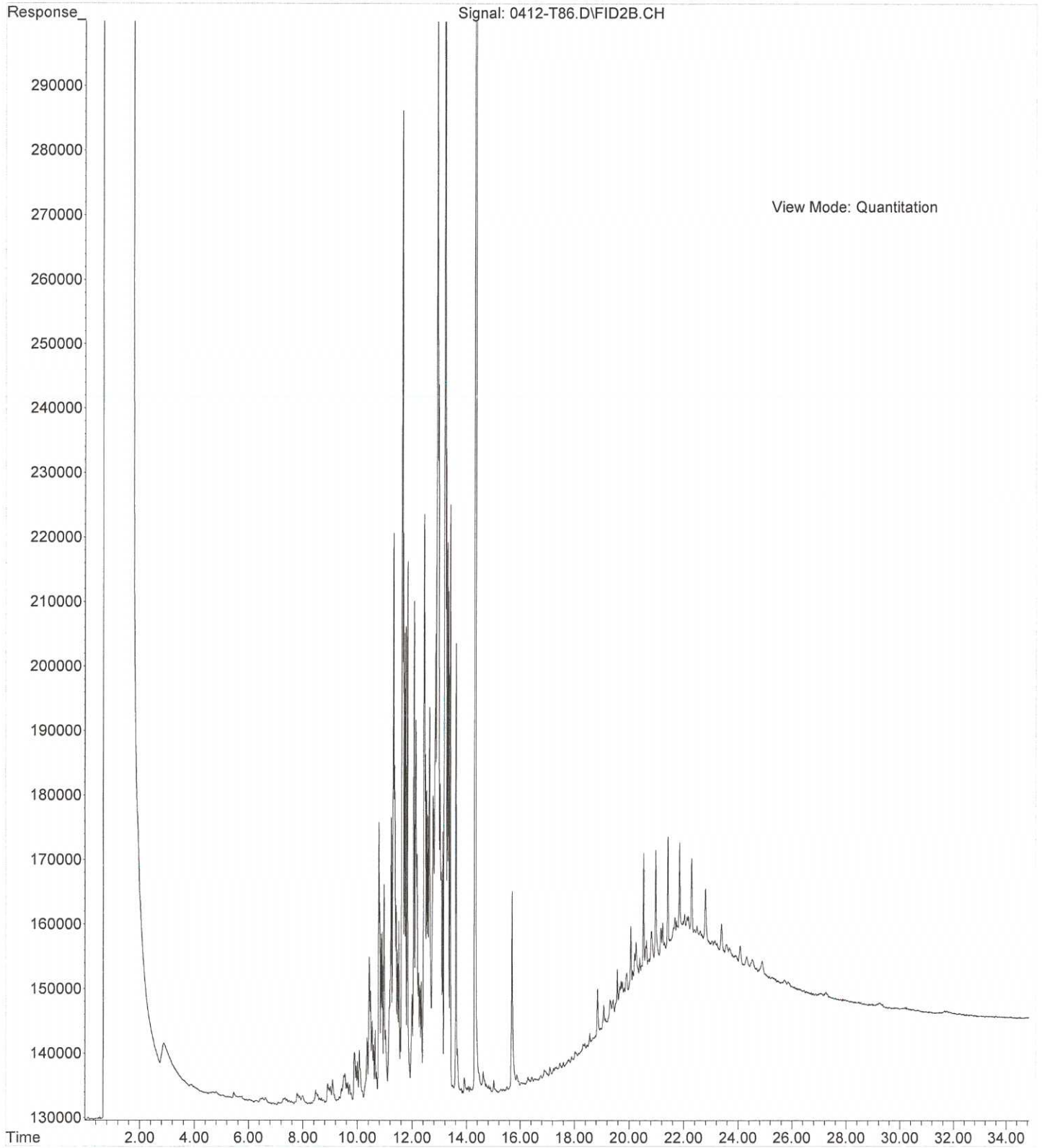
File :X:\DIESELS\TERI\DATA\T170412.SEC\0412-T86.D
Operator : ZT
Acquired : 13 Apr 2017 13:52 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-122-01 10X
Misc Info :
Vial Number: 86



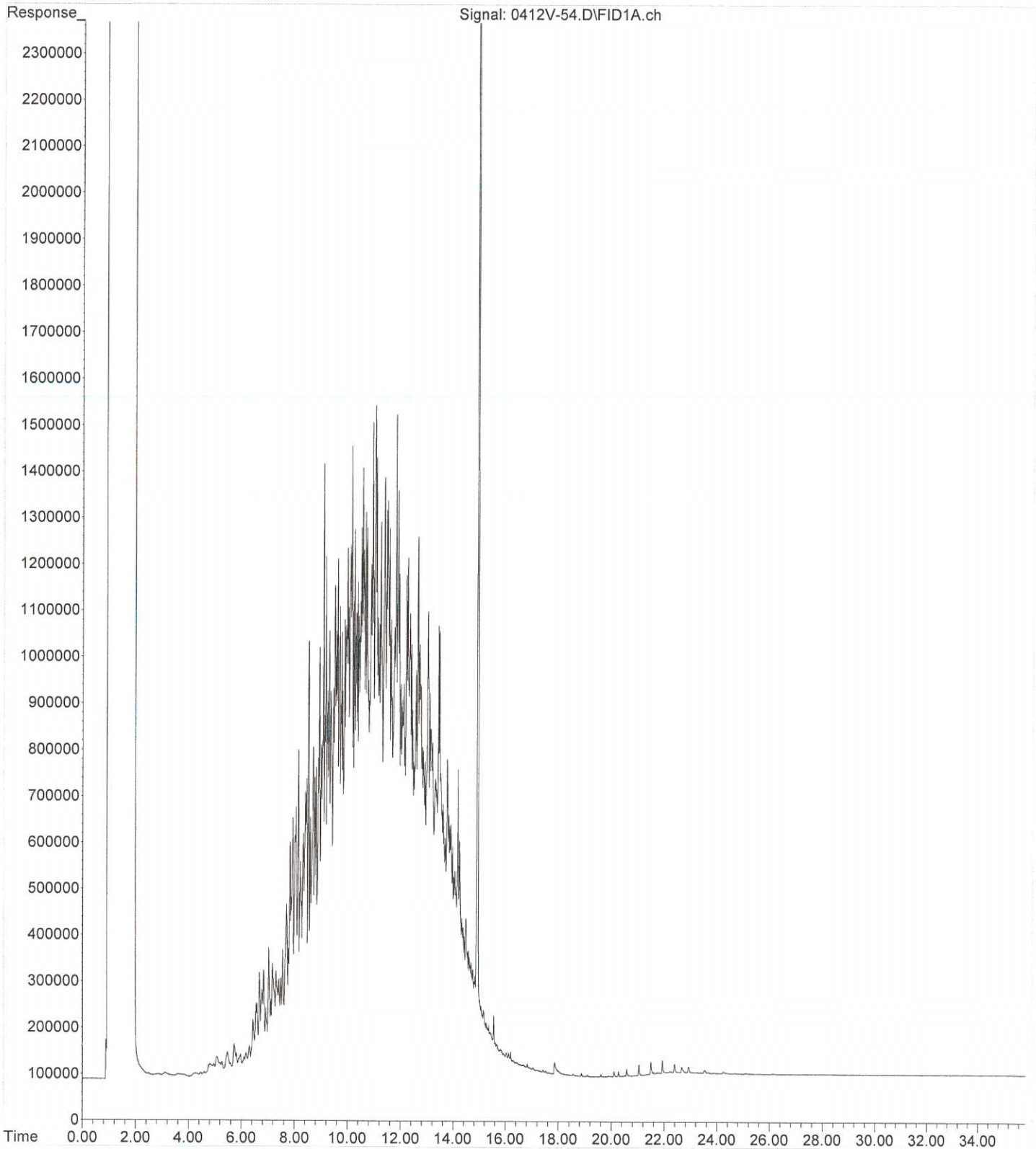
File :X:\DIESELS\TERI\DATA\T170414\0414-T13.D
Operator : ZT
Acquired : 14 Apr 2017 17:09 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-122-02 10X
Misc Info :
Vial Number: 13



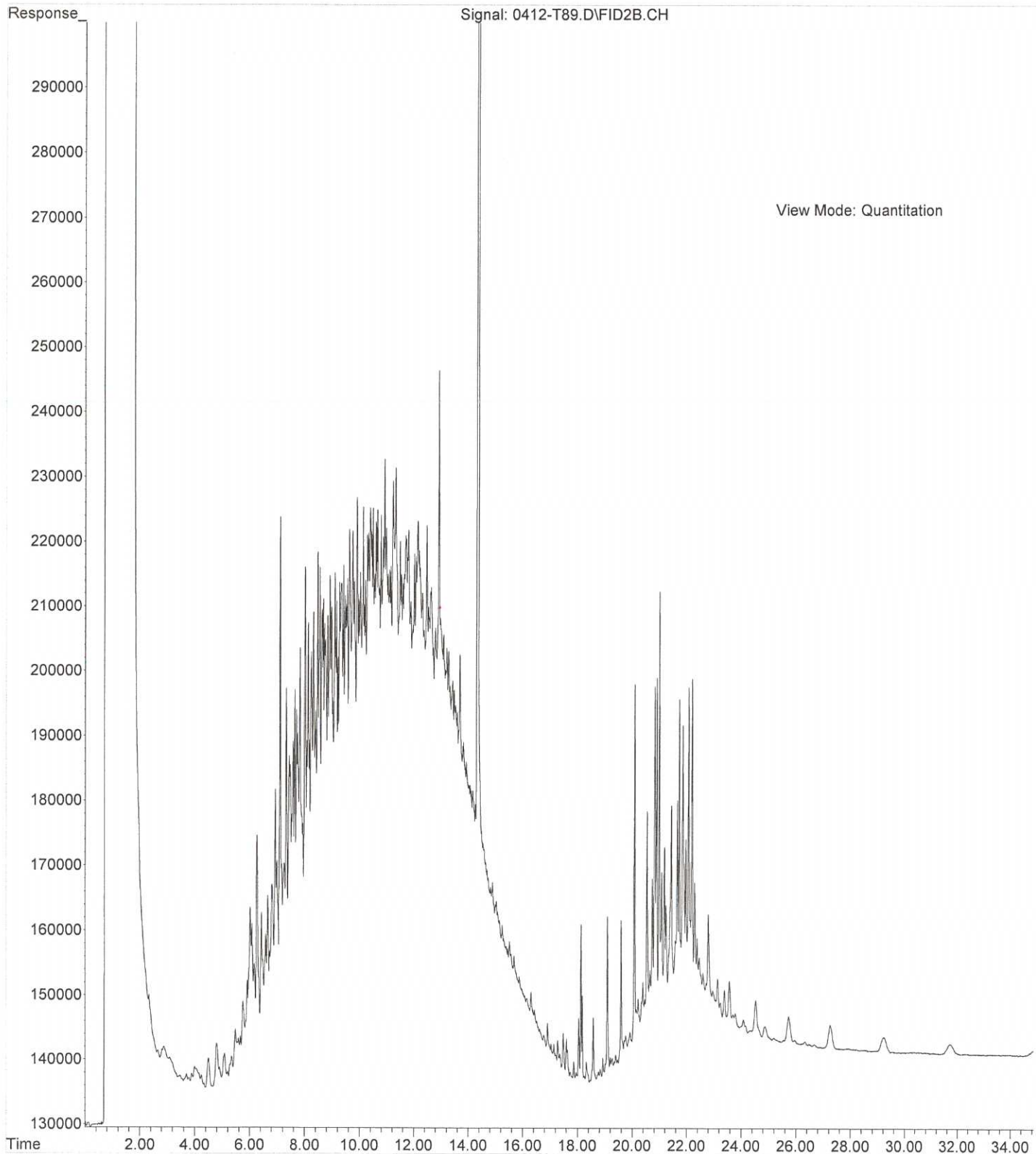
File : X:\DIESELS\TERI\DATA\T170412.SEC\0412-T86.D
Operator : ZT
Acquired : 13 Apr 2017 13:52 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-122-01 10X
Misc Info :
Vial Number: 86



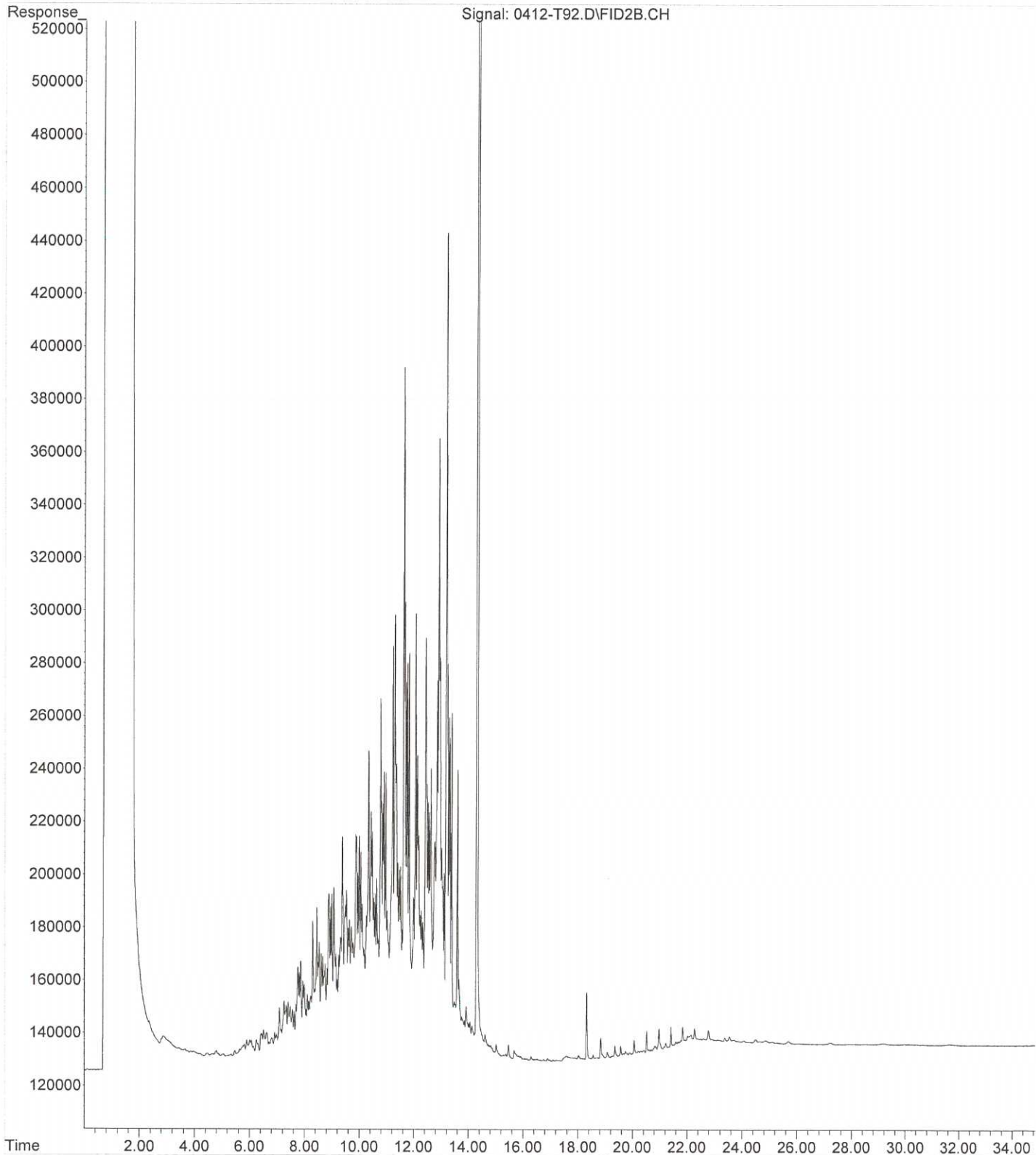
File :X:\DIESELS\VIGO\DATA\V170412\0412V-54.D
Operator :
Acquired : 14 Apr 2017 1:32 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-122-04
Misc Info :
Vial Number: 13



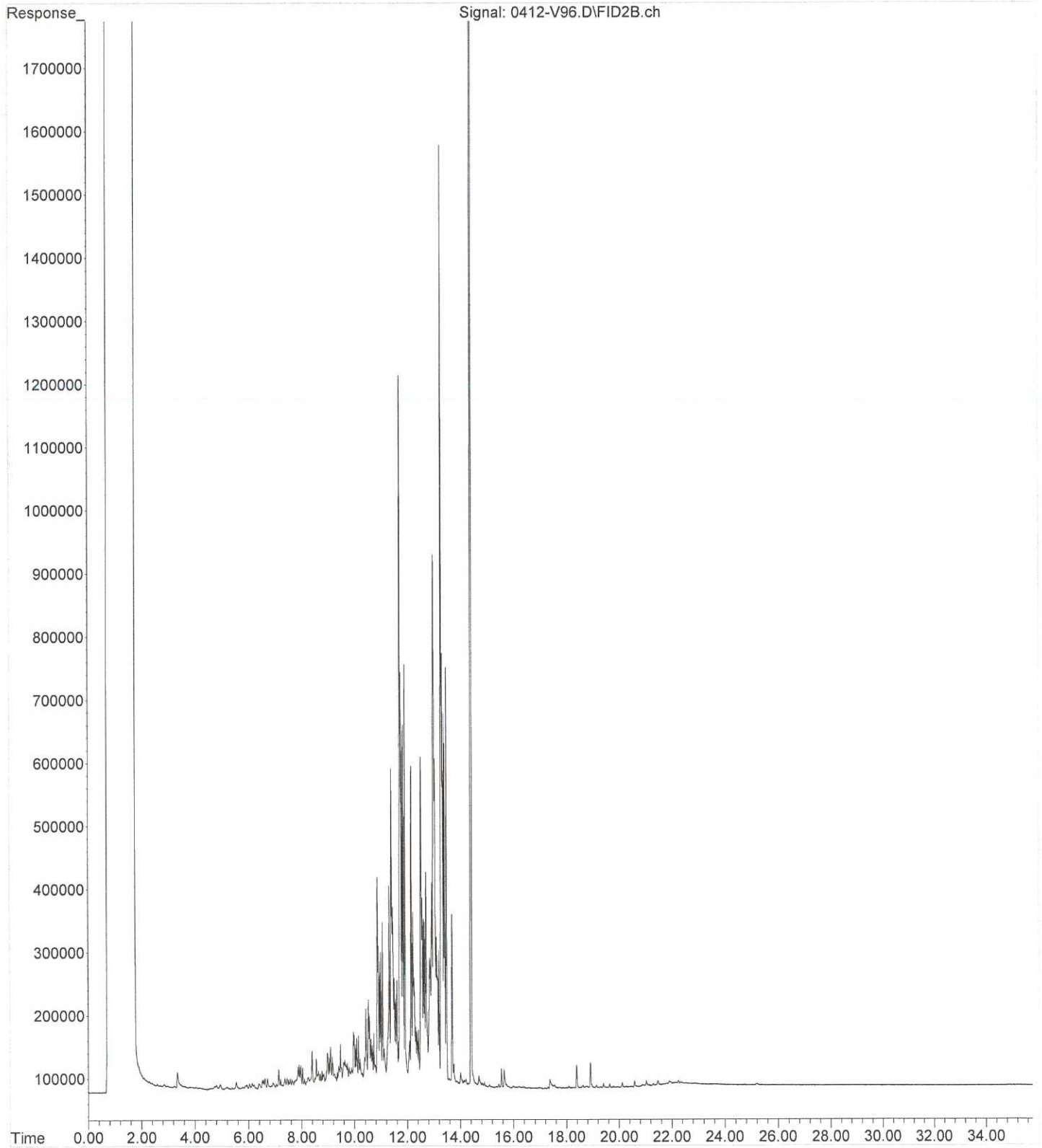
File : X:\DIESELS\TERI\DATA\T170412.SEC\0412-T89.D
Operator : ZT
Acquired : 13 Apr 2017 17:21 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-122-08
Misc Info :
Vial Number: 51



File :X:\DIESELS\TERI\DATA\T170412.SEC\0412-T92.D
Operator : ZT
Acquired : 13 Apr 2017 19:29 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-122-09
Misc Info :
Vial Number: 54



File :X:\DIESELS\VIGO\DATA\V170412.SEC\0412-V96.D
Operator :
Acquired : 13 Apr 2017 20:13 using AcqMethod V170411F.M
Instrument : Vigo
Sample Name: 04-122-10
Misc Info :
Vial Number: 55



Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Graham
 Sampled by: J. Rucinski/J. Kern

Turnaround Request (in working days)
 (Check One)
 Same Day
 1 Day
 2 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)
 # (1,2)
 REMAINDER

Laboratory Number: 04-122

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | Other | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|-------|------------|--|
| 1 | STP-11 | 4/11/17 | 1630 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 2 | BH-2-041117 | 4/11/17 | 1815 | W | 9 | | X | | X | | | | | | | | | | X | | | X | | X | |
| 3 | MW-7-17.3 | 4/11/17 | 1650 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 4 | MW-8-12.8 | 4/11/17 | 1009 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 5 | MW-8-10.5 | 4/11/17 | 0954 | S | 2 | | | | | | | | | | | | | | | | | | | | |
| 6 | MW-8-20.0 | 4/11/17 | 1120 | S | 2 | | | | | | | | | | | | | | | | | | | | |
| 7 | RW-1-17.5 | 4/10/17 | 1518 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 8 | MW-7-13.0 | 4/11/17 | 1606 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 9 | MW-8-15.0 | 4/11/17 | 1017 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |
| 10 | MW-8-17.5 | 4/11/17 | 1033 | S | 2 | | X | | X | | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|--------------------|--------------------|----------------|--------------|-----------------------------------------------------------------------------------------------------------------------|
| Relinquished | <u>[Signature]</u> | <u>Farallon</u> | <u>4/12/17</u> | <u>11:15</u> | |
| Received | <u>Van</u> | <u>[Signature]</u> | <u>4/12/17</u> | <u>1:30</u> | |
| Relinquished | <u>Van</u> | <u>[Signature]</u> | <u>4/12/17</u> | <u>3:10</u> | |
| Received | <u>[Signature]</u> | <u>[Signature]</u> | <u>4/12/17</u> | <u>1520</u> | |
| Relinquished | | | | | |
| Received | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

PH 1500 F 1004 MPH
755



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 25, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-144

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 14, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 25, 2017
Samples Submitted: April 14, 2017
Laboratory Reference: 1704-144
Project: 1001-002

Case Narrative

Samples were collected on April 12 and 13, 2017 and received by the laboratory on April 14, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The MTCA Method A cleanup level of 0.030 ppm for Benzene is not achievable for sample MW-9-15.6 due to the necessary dilution of the sample.

The surrogate percent recovery is outside control limits for sample MW-9-15.6 due to matrix effects. The sample was re-analyzed with similar results.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: April 25, 2017
 Samples Submitted: April 14, 2017
 Laboratory Reference: 1704-144
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-6-10.3 | | | | | |
| Laboratory ID: | 04-144-01 | | | | | |
| Benzene | 0.068 | 0.020 | EPA 8021B | 4-21-17 | 4-24-17 | |
| Toluene | ND | 0.065 | EPA 8021B | 4-21-17 | 4-24-17 | |
| Ethyl Benzene | 2.2 | 0.065 | EPA 8021B | 4-21-17 | 4-24-17 | |
| m,p-Xylene | 0.96 | 0.065 | EPA 8021B | 4-21-17 | 4-24-17 | |
| o-Xylene | ND | 0.33 | EPA 8021B | 4-21-17 | 4-24-17 | U1 |
| Gasoline | 280 | 6.5 | NWTPH-Gx | 4-21-17 | 4-24-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 83 | 63-124 | | | | |
| Client ID: | MW-6-12.8 | | | | | |
| Laboratory ID: | 04-144-02 | | | | | |
| Benzene | 0.066 | 0.058 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Toluene | ND | 0.29 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Ethyl Benzene | 0.34 | 0.29 | EPA 8021B | 4-21-17 | 4-25-17 | |
| m,p-Xylene | 0.76 | 0.29 | EPA 8021B | 4-21-17 | 4-25-17 | |
| o-Xylene | ND | 0.29 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Gasoline | 1400 | 29 | NWTPH-Gx | 4-21-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 105 | 63-124 | | | | |
| Client ID: | MW-9-12.8 | | | | | |
| Laboratory ID: | 04-144-07 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Toluene | ND | 0.062 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Ethyl Benzene | ND | 0.062 | EPA 8021B | 4-21-17 | 4-21-17 | |
| m,p-Xylene | ND | 0.062 | EPA 8021B | 4-21-17 | 4-21-17 | |
| o-Xylene | ND | 0.062 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Gasoline | ND | 6.2 | NWTPH-Gx | 4-21-17 | 4-21-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 86 | 63-124 | | | | |



Date of Report: April 25, 2017
 Samples Submitted: April 14, 2017
 Laboratory Reference: 1704-144
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-9-15.6 | | | | | |
| Laboratory ID: | 04-144-08 | | | | | |
| Benzene | ND | 0.062 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Toluene | ND | 0.31 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Ethyl Benzene | 0.64 | 0.31 | EPA 8021B | 4-21-17 | 4-25-17 | |
| m,p-Xylene | 2.7 | 0.31 | EPA 8021B | 4-21-17 | 4-25-17 | |
| o-Xylene | ND | 0.31 | EPA 8021B | 4-21-17 | 4-25-17 | |
| Gasoline | 1800 | 31 | NWTPH-Gx | 4-21-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 62 | 63-124 | | | | Q |
| Client ID: | MW-9-24.5 | | | | | |
| Laboratory ID: | 04-144-11 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-21-17 | 4-24-17 | |
| Toluene | ND | 0.076 | EPA 8021B | 4-21-17 | 4-24-17 | |
| Ethyl Benzene | ND | 0.076 | EPA 8021B | 4-21-17 | 4-24-17 | |
| m,p-Xylene | 0.094 | 0.076 | EPA 8021B | 4-21-17 | 4-24-17 | |
| o-Xylene | ND | 0.076 | EPA 8021B | 4-21-17 | 4-24-17 | |
| Gasoline | 31 | 7.6 | NWTPH-Gx | 4-21-17 | 4-24-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 84 | 63-124 | | | | |



Date of Report: April 25, 2017
 Samples Submitted: April 14, 2017
 Laboratory Reference: 1704-144
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0421S1 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-21-17 | 4-21-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-21-17 | 4-21-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-21-17 | 4-21-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-21-17 | 4-21-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 78 | 63-124 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-208-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 82 | 82 | 63-124 | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|----------|-------|------|------|----|-----|--------|---|----|
| Laboratory ID: | SB0421S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 0.796 | 0.820 | 1.00 | 1.00 | 80 | 82 | 70-124 | 3 | 12 |
| Toluene | 0.818 | 0.843 | 1.00 | 1.00 | 82 | 84 | 73-119 | 3 | 12 |
| Ethyl Benzene | 0.832 | 0.857 | 1.00 | 1.00 | 83 | 86 | 74-117 | 3 | 12 |
| m,p-Xylene | 0.847 | 0.862 | 1.00 | 1.00 | 85 | 86 | 75-117 | 2 | 13 |
| o-Xylene | 0.842 | 0.864 | 1.00 | 1.00 | 84 | 86 | 75-116 | 3 | 12 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | 79 | 80 | 63-124 | | |



Date of Report: April 25, 2017
 Samples Submitted: April 14, 2017
 Laboratory Reference: 1704-144
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-6-10.3 | | | | | |
| Laboratory ID: | 04-144-01 | | | | | |
| Diesel Range Organics | 10000 | 280 | NWTPH-Dx | 4-19-17 | 4-21-17 | |
| Lube Oil Range Organics | ND | 570 | NWTPH-Dx | 4-19-17 | 4-21-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | MW-6-12.8 | | | | | |
| Laboratory ID: | 04-144-02 | | | | | |
| Diesel Range Organics | 3900 | 29 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 310 | NWTPH-Dx | 4-19-17 | 4-20-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 94 | 50-150 | | | | |
| Client ID: | MW-9-12.8 | | | | | |
| Laboratory ID: | 04-144-07 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | MW-9-15.6 | | | | | |
| Laboratory ID: | 04-144-08 | | | | | |
| Diesel Range Organics | 15000 | 290 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| Lube Oil Range Organics | ND | 580 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | --- | 50-150 | | | | S |
| Client ID: | MW-9-24.5 | | | | | |
| Laboratory ID: | 04-144-11 | | | | | |
| Diesel Range Organics | 280 | 31 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| Lube Oil Range Organics | 330 | 63 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 104 | 50-150 | | | | |



Date of Report: April 25, 2017
 Samples Submitted: April 14, 2017
 Laboratory Reference: 1704-144
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0419S3 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 78 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-------------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-156-22 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 37.3 | 32.1 | NA | NA | NA | NA | 15 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 92 | 80 | 50-150 | | |



Date of Report: April 25, 2017
Samples Submitted: April 14, 2017
Laboratory Reference: 1704-144
Project: 1001-002

% MOISTURE

Date Analyzed: 4-19-17

| Client ID | Lab ID | % Moisture |
|-----------|-----------|------------|
| MW-6-10.3 | 04-144-01 | 12 |
| MW-6-12.8 | 04-144-02 | 13 |
| MW-9-12.8 | 04-144-07 | 10 |
| MW-9-15.6 | 04-144-08 | 14 |
| MW-9-24.5 | 04-144-11 | 20 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

 Laboratory Number: **04-144**

Company: Farallon

Project Number: 1001-002

Project Name: Coleman Oil

Project Manager: Paul Grabau

Sampled by: Jared Kerr

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days



Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Number of Containers

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|--------|-----------------------|--------------|--------------|--------|----------------------|
| 1 | MW-6-10.3 | 4/12/17 | 1013 | Soil | 2 |
| 2 | MW-6-12.8 | | 1030 | | |
| 3 | MW-6-15.5 | | 1111 | | |
| 4 | MW-6-18.2 | | 1125 | | |
| 5 | MW-9-6.0 | | 1515 | | |
| 6 | MW-9-6.2 | | 1523 | | |
| 7 | MW-9-12.8 | | 1537 | | |
| 8 | MW-9-15.6 | | 1550 | | |
| 9 | MW-9-18.7 | | 1608 | | |
| 10 | MW-9-21.5 | | 1655 | | |

| NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture |
|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|
| | (X) | | (X) | | | | | | | | | | | | | | (X) |
| | (X) | | (X) | | | | | | | | | | | | | | (X) |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | (X) | | (X) | | | | | | | | | | | | | | (X) |
| | (X) | | (X) | | | | | | | | | | | | | | (X) |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-------------------------------------------------------------------------------------|----------|---------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Farallon | 4/13/17 | 1145 | Contact Paul Grabau regarding turnaround time & analyses (X) Add Oct 4/16/17 300 STA |
|  | OSD | 4/14/17 | 845 | |
| | | | | |
| | | | | |
| | | | | |
| Reviewed/Date | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Paul Grabau
 Sampled by: Jared Kerr

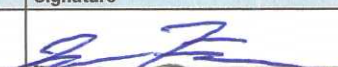
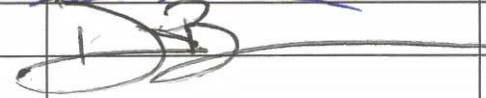
Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-144

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | Analytical Parameters | | | | | | | | | | | | | | % Moisture | | | | | | | |
|-----------|-----------------------|----------------|--------------|-------------|----------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|------------|-------------------|-------------|----------------------------|--|--|--|-------------------------------------|
| | | | | | | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | | | | |
| <u>11</u> | <u>MW-9-24.5</u> | <u>4/13/17</u> | <u>0828</u> | <u>Soil</u> | <u>2</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | <input checked="" type="checkbox"/> |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-------------------------------------------------------------------------------------|-----------------|----------------|-------------|-----------------------------------------------------------------------------------------------------------------------|
|  | <u>Farallon</u> | <u>4/13/17</u> | <u>1145</u> | <u>Contact Paul Grabau regarding analyses & turnaround time.</u> |
|  | <u>OSR</u> | <u>4/14/17</u> | <u>845</u> | |
| | | | | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 3, 2017

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-160

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on April 15, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 3, 2017
Samples Submitted: April 15, 2017
Laboratory Reference: 1704-160
Project: 1001-002

Case Narrative

Samples were collected on April 13 and 14, 2017 and received by the laboratory on April 15, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-11-12.6 | | | | | |
| Laboratory ID: | 04-160-02 | | | | | |
| Benzene | 0.020 | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.055 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.055 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.055 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.055 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | ND | 5.5 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>82</i> | <i>63-124</i> | | | | |
| Client ID: | FB-11-23.4 | | | | | |
| Laboratory ID: | 04-160-07 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.059 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.059 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.059 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.059 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | ND | 5.9 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>81</i> | <i>63-124</i> | | | | |
| Client ID: | MW-10-15.7 | | | | | |
| Laboratory ID: | 04-160-11 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.061 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.061 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.061 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.061 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | ND | 6.1 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>90</i> | <i>63-124</i> | | | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-10-25.1 | | | | | |
| Laboratory ID: | 04-160-12 | | | | | |
| Benzene | 0.13 | 0.092 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Toluene | ND | 0.46 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Ethyl Benzene | 4.5 | 0.46 | EPA 8021B | 4-20-17 | 4-21-17 | |
| m,p-Xylene | 4.4 | 0.46 | EPA 8021B | 4-20-17 | 4-21-17 | |
| o-Xylene | 0.74 | 0.46 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Gasoline | 1300 | 46 | NWTPH-Gx | 4-20-17 | 4-21-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 74 | 63-124 | | | | |
| Client ID: | MW-11-5.8 | | | | | |
| Laboratory ID: | 04-160-14 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 75 | 63-124 | | | | |
| Client ID: | MW11-13.2 | | | | | |
| Laboratory ID: | 04-160-15 | | | | | |
| Benzene | ND | 0.024 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Toluene | ND | 0.12 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Ethyl Benzene | 1.0 | 0.12 | EPA 8021B | 4-20-17 | 4-21-17 | |
| m,p-Xylene | 0.57 | 0.12 | EPA 8021B | 4-20-17 | 4-21-17 | |
| o-Xylene | 0.40 | 0.12 | EPA 8021B | 4-20-17 | 4-21-17 | |
| Gasoline | 570 | 12 | NWTPH-Gx | 4-20-17 | 4-21-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 85 | 63-124 | | | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | MW11-17.8 | | | | | |
| Laboratory ID: | 04-160-16 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.060 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.060 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.060 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.060 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | 12 | 6.0 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>88</i> | <i>63-124</i> | | | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0420S1 | | | | | |
| Benzene | ND | 0.020 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Toluene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Ethyl Benzene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| m,p-Xylene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| o-Xylene | ND | 0.050 | EPA 8021B | 4-20-17 | 4-20-17 | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 4-20-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | <i>80</i> | <i>63-124</i> | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|---------------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-155-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | <i>80</i> | <i>81</i> | <i>63-124</i> | | |

SPIKE BLANKS

| | | | | | | | | | |
|----------------------|--------------|--------------|------|------|-----------|-----------|---------------|---|----|
| Laboratory ID: | SB0420S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| Benzene | 0.804 | 0.819 | 1.00 | 1.00 | 80 | 82 | 70-124 | 2 | 12 |
| Toluene | 0.824 | 0.842 | 1.00 | 1.00 | 82 | 84 | 73-119 | 2 | 12 |
| Ethyl Benzene | 0.840 | 0.857 | 1.00 | 1.00 | 84 | 86 | 74-117 | 2 | 12 |
| m,p-Xylene | 0.853 | 0.863 | 1.00 | 1.00 | 85 | 86 | 75-117 | 1 | 13 |
| o-Xylene | 0.849 | 0.860 | 1.00 | 1.00 | 85 | 86 | 75-116 | 1 | 12 |
| <i>Surrogate:</i> | | | | | | | | | |
| <i>Fluorobenzene</i> | | | | | <i>80</i> | <i>81</i> | <i>63-124</i> | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | FB-11-12.6 | | | | | |
| Laboratory ID: | 04-160-02 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 76 | 50-150 | | | | |
| Client ID: | FB-11-23.4 | | | | | |
| Laboratory ID: | 04-160-07 | | | | | |
| Diesel Range Organics | 140 | 28 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| Lube Oil Range Organics | 390 | 55 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 106 | 50-150 | | | | |
| Client ID: | MW-10-15.7 | | | | | |
| Laboratory ID: | 04-160-11 | | | | | |
| Diesel Range Organics | ND | 30 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| Lube Oil Range Organics | ND | 59 | NWTPH-Dx | 4-19-17 | 4-19-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | MW-10-25.1 | | | | | |
| Laboratory ID: | 04-160-12 | | | | | |
| Diesel Range Organics | 1300 | 28 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 23 | 50-150 | | | | |
| Client ID: | MW-11-5.8 | | | | | |
| Laboratory ID: | 04-160-14 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 81 | 50-150 | | | | |
| Client ID: | MW11-13.2 | | | | | |
| Laboratory ID: | 04-160-15 | | | | | |
| Diesel Range Organics | 600 | 29 | NWTPH-Dx | 4-19-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 59 | NWTPH-Dx | 4-19-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 77 | 50-150 | | | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW11-17.8 | | | | | |
| Laboratory ID: | 04-160-16 | | | | | |
| Diesel Range Organics | 58 | 28 | NWTPH-Dx | 4-19-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 56 | NWTPH-Dx | 4-19-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>90</i> | <i>50-150</i> | | | | |



Date of Report: May 3, 2017
 Samples Submitted: April 15, 2017
 Laboratory Reference: 1704-160
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0419S3 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 4-19-17 | 4-20-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 78 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-------------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-156-22 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| Diesel Range Organics | 37.3 | 32.1 | NA | NA | NA | NA | 15 | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 92 | 80 | 50-150 | | |



Date of Report: May 3, 2017
Samples Submitted: April 15, 2017
Laboratory Reference: 1704-160
Project: 1001-002

% MOISTURE

Date Analyzed: 4-19-17

| Client ID | Lab ID | % Moisture |
|------------|-----------|------------|
| FB-11-12.6 | 04-160-02 | 8 |
| FB-11-23.4 | 04-160-07 | 9 |
| MW-10-15.7 | 04-160-11 | 15 |
| MW-10-25.1 | 04-160-12 | 9 |
| MW-11-5.8 | 04-160-14 | 10 |
| MW11-13.2 | 04-160-15 | 11 |
| MW11-17.8 | 04-160-16 | 15 |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



Chain of Custody

Company: Farallon

Project Number: 1001-002

Project Name: Coleman Oil

Project Manager: Paul Grabau

Sampled by: Jared Kerr

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-160**

| Lab ID | Sample Identification | Date | | | Number of Containers | |
|--------|-------------------------------|---------|--------------|--------|----------------------|--|
| | | Sampled | Time Sampled | Matrix | | |
| 1 | FB-11-10.5 | 4/13 | 1418 | soil | 2 | |
| 2 | FB-11-12.6 | | 1431 | | | |
| 3 | FB-11-15.8 | | 1458 | | | |
| 4 | FB-11-16.4 | | 1503 | | | |
| 5 | FB-11-18.0 | | 1516 | | | |
| 6 | FB-20.5 FB-11-20.8 | | 1540 | | | |
| 7 | FB-11-23.4 | | 1547 | | | |
| 8 | FB-11-25.0 | | 1603 | | | |
| 9 | MW-10-5.8 | | 4/14 | | | |
| 10 | MW-10-10.5 | 0850 | | | | |

| NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture |
|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|
| | | | | | | | | | | | | | | | | | |
| | (X) | | (X) | | | | | | | | | | | | | | (X) |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | (X) | | (X) | | | | | | | | | | | | | | (X) |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|----------|---------------|------|-----------------------------------------------------------------------------------------------------------------------|
| | Farallon | 4/15/17 | 1045 | Contact Paul Grabau for analyses & turnaround time. (X) Added 4/18/17 30 STA |
| | (X) OBE | 4/15/17 | 1045 | |
| | | | | |
| | | | | |
| | | | | |
| Reviewed/Date | | Reviewed/Date | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Laboratory Number: **04-160**



Company: Farallon
Project Number: 1001-002
Project Name: Coleman Oil
Project Manager: Paul Grabau
Sampled by: Tared Kerr

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | Laboratory Number: 04-160 | | | | | | | | | | | | | | % Moisture | | | | | |
|--------|-----------------------|--------------|--------------|--------|----------------------|---------------------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|------------|-------------------|-------------|----------------------------|-----|-----|
| | | | | | | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | | |
| 11 | MW-10-15.7 | 4/14 | 0927 | soil | 2 | (X) | (X) | | | | | | | | | | | | | | | | | (X) | |
| 12 | MW-10-25.1 | | 1012 | | | (X) | (X) | | | | | | | | | | | | | | | | | (X) | |
| 13 | MW-10-30.1 | | 1058 | | | | | | | | | | | | | | | | | | | | | | |
| 14 | MW-11-5.8 | | 1438 | | | | (X) | (X) | | | | | | | | | | | | | | | | | (X) |
| 15 | MW-11-13.2 | | 1508 | | | | (X) | (X) | | | | | | | | | | | | | | | | | (X) |
| 16 | MW-11-17.8 | | 1540 | | | | (X) | (X) | | | | | | | | | | | | | | | | | (X) |
| 17 | MW-11-22.2 | | 1618 | | | | | | | | | | | | | | | | | | | | | | |
| 18 | No. 2 Diesel off road | 4/14 | 1630 | Liquid | 3 | | | | | | | | | | | | | | | | | | | (X) | |
| 19 | MW-8-Product | 4/13 | 1000 | Liquid | 2 | | | | | | | | | | | | | | | | | | | (X) | |

| Signature | Company | Date | Time | Comments/Special Instructions | |
|-------------------------------------------------------------------------------------|----------|---------|------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  | Farallon | 4/15/17 | 1045 | Contact Paul Grabau for analyses & turnaround time | |
|  | Farallon | 4/15/17 | 1048 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Reviewed/Date | | | | Reviewed/Date | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 27, 2017

Javan Ruark
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1704-213

Dear Javan:

Enclosed are the analytical results and associated quality control data for samples submitted on April 22, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 27, 2017
Samples Submitted: April 22, 2017
Laboratory Reference: 1704-213
Project: 1001-002

Case Narrative

Samples were collected on April 20 and 21, 2017 and received by the laboratory on April 22, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------|--------------------|-----|-----------|---------------|---------------|-------|
| Client ID: | MW-5-042017 | | | | | |
| Laboratory ID: | 04-213-01 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-27-17 | 4-27-17 | |

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 93 61-118

| | | | | | | |
|-------------------|--------------------|-----|-----------|---------|---------|--|
| Client ID: | MW-4-042017 | | | | | |
| Laboratory ID: | 04-213-02 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-27-17 | 4-27-17 | |

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 93 61-118

| | | | | | | |
|-------------------|--------------------|-----|-----------|---------|---------|--|
| Client ID: | MW-3-042017 | | | | | |
| Laboratory ID: | 04-213-03 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | |

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 95 61-118



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-2-042017 | | | | | |
| Laboratory ID: | 04-213-04 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 98 | 61-118 | | | | |
| Client ID: | MW-7-042017 | | | | | |
| Laboratory ID: | 04-213-05 | | | | | |
| Benzene | 3.2 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 15 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 7.7 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 3.7 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 1100 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 89 | 61-118 | | | | |
| Client ID: | MW-6-042017 | | | | | |
| Laboratory ID: | 04-213-06 | | | | | |
| Benzene | 5.0 | 4.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 4.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 6.2 | 4.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 23 | 4.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 14 | 4.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 880 | 400 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 91 | 61-118 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-10-042117 | | | | | |
| Laboratory ID: | 04-213-07 | | | | | |
| Benzene | 3.4 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 11 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 7.8 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 4.7 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 1900 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 90 | 61-118 | | | | |
| Client ID: | MW-11-042117 | | | | | |
| Laboratory ID: | 04-213-08 | | | | | |
| Benzene | 28 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | 4.1 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 8.2 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 20 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 6.1 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 1400 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 97 | 61-118 | | | | |
| Client ID: | MW-1-042117 | | | | | |
| Laboratory ID: | 04-213-10 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 210 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 98 | 61-118 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------|--------------------|-----|-----------|---------------|---------------|-------|
| Client ID: | BH-2-042117 | | | | | |
| Laboratory ID: | 04-213-11 | | | | | |
| Benzene | 4.2 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | 3.3 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 12 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 22 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 17 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 1500 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |

Surrogate: Percent Recovery Control Limits
Fluorobenzene 96 61-118

| | | | | | | |
|-------------------|--------------------------|-----|-----------|---------|---------|---|
| Client ID: | Baker Tank-042117 | | | | | |
| Laboratory ID: | 04-213-12 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 3.2 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 240 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |

Surrogate: Percent Recovery Control Limits
Fluorobenzene 90 61-118

| | | | | | | |
|-------------------|--------------------|-----|-----------|---------|---------|---|
| Client ID: | BH-1-042117 | | | | | |
| Laboratory ID: | 04-213-13 | | | | | |
| Benzene | 15 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | 2.8 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 8.3 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 10 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 8.5 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 820 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |

Surrogate: Percent Recovery Control Limits
Fluorobenzene 95 61-118



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | RW-1-042117 | | | | | |
| Laboratory ID: | 04-213-14 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 90 | 61-118 | | | | |
| Client ID: | BH-3-042117 | | | | | |
| Laboratory ID: | 04-213-15 | | | | | |
| Benzene | 1.8 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | 5.4 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | 5.4 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | 2.8 | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | 1800 | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 95 | 61-118 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

**NWTPH-Gx/BTEX
 METHOD BLANK QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0425W1 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 95 | 61-118 | | | | |
| Laboratory ID: | MB0425W2 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 4-25-17 | 4-25-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 94 | 61-118 | | | | |
| Laboratory ID: | MB0427W1 | | | | | |
| Gasoline | ND | 100 | NWTPH-Gx | 4-27-17 | 4-27-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 94 | 61-118 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags | | |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|--------|---|----|
| DUPLICATE | | | | | | | | | | |
| Laboratory ID: | 04-213-01 | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | 93 | 90 | 61-118 | | | | |
| Laboratory ID: | 04-213-02 | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 | | |
| Gasoline | ND | ND | NA | NA | NA | NA | ND | 30 | | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | 93 | 97 | 61-118 | | | | |
| MATRIX SPIKES | | | | | | | | | | |
| Laboratory ID: | 04-213-02 | | | | | | | | | |
| | MS | MSD | MS | MSD | MS | MSD | | | | |
| Benzene | 46.7 | 48.3 | 50.0 | 50.0 | ND | 93 | 97 | 80-120 | 3 | 13 |
| Toluene | 47.3 | 49.4 | 50.0 | 50.0 | ND | 95 | 99 | 81-115 | 4 | 14 |
| Ethyl Benzene | 48.3 | 50.5 | 50.0 | 50.0 | ND | 97 | 101 | 81-114 | 4 | 12 |
| m,p-Xylene | 47.6 | 50.1 | 50.0 | 50.0 | ND | 95 | 100 | 81-114 | 5 | 13 |
| o-Xylene | 47.6 | 50.1 | 50.0 | 50.0 | ND | 95 | 100 | 81-113 | 5 | 11 |
| <i>Surrogate:</i> | | | | | | | | | | |
| Fluorobenzene | | | | | 96 | 98 | 61-118 | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-5-042017 | | | | | |
| Laboratory ID: | 04-213-01 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 81 | 50-150 | | | | |
| Client ID: | MW-4-042017 | | | | | |
| Laboratory ID: | 04-213-02 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 93 | 50-150 | | | | |
| Client ID: | MW-3-042017 | | | | | |
| Laboratory ID: | 04-213-03 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 95 | 50-150 | | | | |
| Client ID: | MW-2-042017 | | | | | |
| Laboratory ID: | 04-213-04 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 100 | 50-150 | | | | |
| Client ID: | MW-7-042017 | | | | | |
| Laboratory ID: | 04-213-05 | | | | | |
| Diesel Range Organics | 1.3 | 0.26 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil | 0.42 | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | MW-6-042017 | | | | | |
| Laboratory ID: | 04-213-06 | | | | | |
| Diesel Range Organics | 1.8 | 0.25 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil | 0.48 | 0.41 | NWTPH-Dx | 4-24-17 | 4-24-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 95 | 50-150 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------|--------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-10-042117 | | | | | |
| Laboratory ID: | 04-213-07 | | | | | |
| Diesel Range Organics | 3.8 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.73 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 98 | 50-150 | | | | |
| Client ID: | MW-11-042117 | | | | | |
| Laboratory ID: | 04-213-08 | | | | | |
| Diesel Range Organics | 1.7 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 1.0 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 90 | 50-150 | | | | |
| Client ID: | MW-1-042117 | | | | | |
| Laboratory ID: | 04-213-10 | | | | | |
| Diesel Range Organics | 0.73 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.51 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 107 | 50-150 | | | | |
| Client ID: | BH-2-042117 | | | | | |
| Laboratory ID: | 04-213-11 | | | | | |
| Diesel Range Organics | 2.6 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.63 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 113 | 50-150 | | | | |
| Client ID: | Baker Tank-042117 | | | | | |
| Laboratory ID: | 04-213-12 | | | | | |
| Diesel Range Organics | 1.3 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.55 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | BH-1-042117 | | | | | |
| Laboratory ID: | 04-213-13 | | | | | |
| Diesel Range Organics | 1.9 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.97 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 101 | 50-150 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | RW-1-042117 | | | | | |
| Laboratory ID: | 04-213-14 | | | | | |
| Diesel Range Organics | 0.84 | 0.26 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil | 0.54 | 0.41 | NWTPH-Dx | 4-25-17 | 4-25-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 125 | 50-150 | | | | |
| Client ID: | BH-3-042117 | | | | | |
| Laboratory ID: | 04-213-15 | | | | | |
| Diesel Range Organics | 2.4 | 0.26 | NWTPH-Dx | 4-25-17 | 4-27-17 | |
| Lube Oil | 0.66 | 0.41 | NWTPH-Dx | 4-25-17 | 4-27-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 111 | 50-150 | | | | |



Date of Report: April 27, 2017
 Samples Submitted: April 22, 2017
 Laboratory Reference: 1704-213
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0424W1 | | | | | |
| Diesel Range Organics | ND | 0.25 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| Lube Oil Range Organics | ND | 0.40 | NWTPH-Dx | 4-24-17 | 4-24-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 85 | 50-150 | | | | |
| Laboratory ID: | MB0425W1 | | | | | |
| Diesel Range Organics | ND | 0.25 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| Lube Oil Range Organics | ND | 0.40 | NWTPH-Dx | 4-25-17 | 4-25-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-------------------------|--------------|--------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-156-05 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 0.608 | 0.517 | NA | NA | NA | NA | 16 | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | 85 | | 82 | 50-150 | | |
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 04-213-07 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 3.78 | 3.22 | NA | NA | NA | NA | 16 | NA |
| Lube Oil Range Organics | 0.731 | 0.802 | NA | NA | NA | NA | 9 | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | 98 | | 97 | 50-150 | | |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference




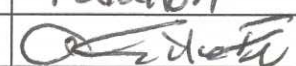
Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Jaran Ruark
 Sampled by: Jared Kerr

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) D3
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-213

| Lab ID | Sample Identification | Date | | | Number of Containers | Laboratory Number: 04-213 | | | | | | | | | | | | | | | | | | | |
|--------|-----------------------|---------|--------------|--------|----------------------|---------------------------|---------------|----------|-------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|--|
| | | Sampled | Time Sampled | Matrix | | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | | |
| 1 | MW-5-042017 | 4/20 | 1331 | water | 5 | X | X | | | | | | | | | | | | | | | | | | |
| 2 | MW-4-042017 | | 1333 | | | X | X | | | | | | | | | | | | | | | | | | |
| 3 | MW-3-042017 | | 1707 | | | X | X | | | | | | | | | | | | | | | | | | |
| 4 | MW-2-042017 | | 1810 | | | X | X | | | | | | | | | | | | | | | | | | |
| 5 | MW-7-042017 | | 1900 | | | X | X | | | | | | | | | | | | | | | | | | |
| 6 | MW-6-042017 | | 1945 | | | X | X | | | | | | | | | | | | | | | | | | |
| 7 | MW-10-042017 | 4/21 | 0907 | | | X | X | | | | | | | | | | | | | | | | | | |
| 8 | MW-11-042017 | | 1017 | | | X | X | | | | | | | | | | | | | | | | | | |
| 9 | MW-9-042017 | | 1240 | | | X | X | | | | | | | | | | | | | | | | | | |
| 10 | MW-1-042117 | | 1357 | | | X | X | | | | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|--------------------------------------------------------------------------------------|----------|---------------|------|-----------------------------------------------------------------------------------------------------------------------|
|  | Farallon | 4/22/17 | 1142 | |
|  | | 4/22/17 | 1142 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | Reviewed/Date | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |



OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: Farallon
Project Number: 1001-002
Project Name: Coleman Oil
Project Manager: Jawan Ruark
Sampled by: Sared Kerr

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days) JR

_____ (other)

Laboratory Number:

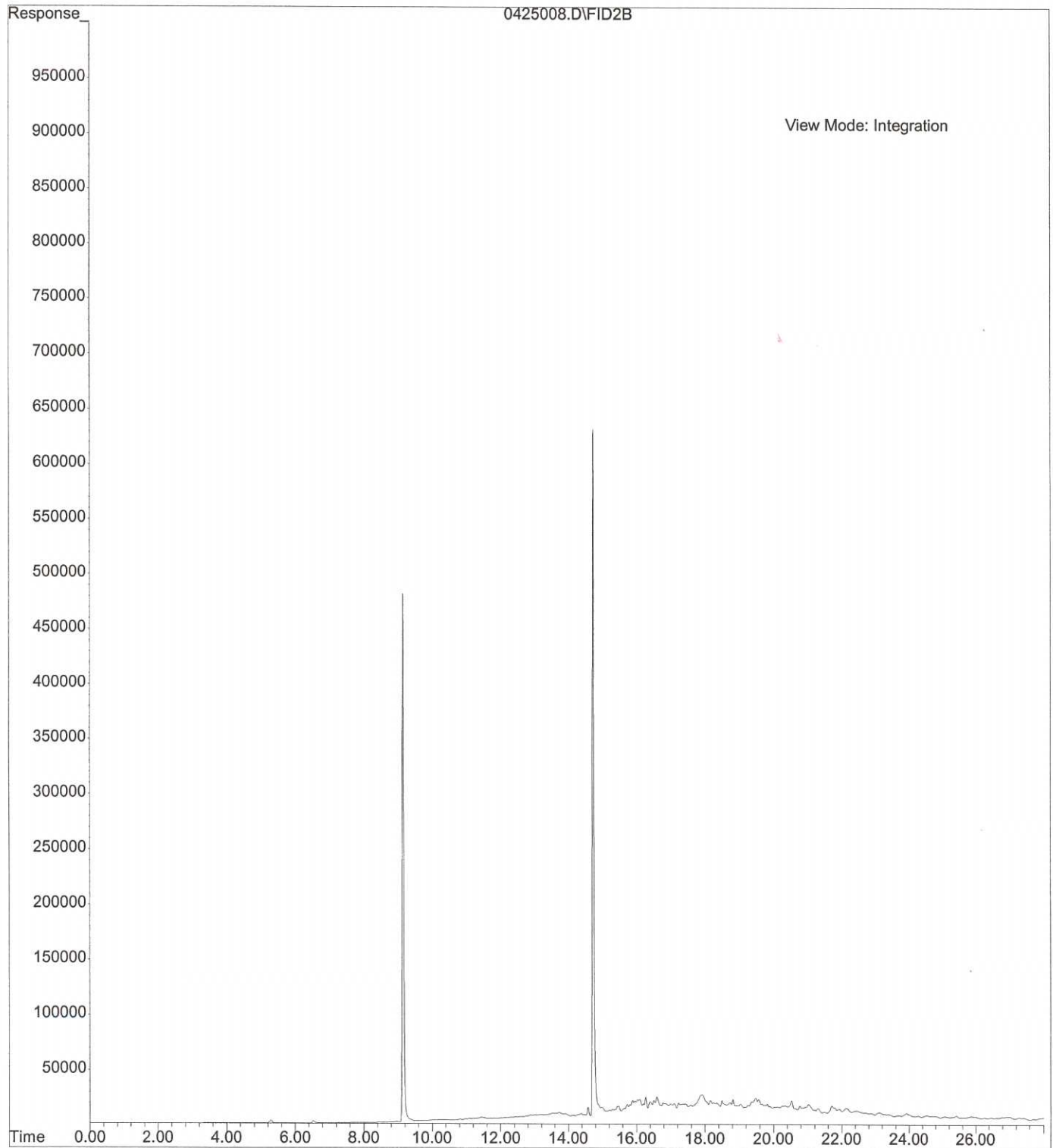
04-213

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|
| 11 | BH-2-042117 | 4/21 | 1450 | water | 5 | X | | X | | | | | | | | | | | | | | | | |
| 12 | Baker Tank-042117 | | 1550 | | | X | | X | | | | | | | | | | | | | | | | |
| 13 | BH-1-042117 | | 1709 | | | X | | X | | | | | | | | | | | | | | | | |
| 14 | RW-1-042117 | | 1820 | | | X | | X | | | | | | | | | | | | | | | | |
| 15 | BH-3-042117 | | 1910 | | | X | | X | | | | | | | | | | | | | | | | |
| 16 | MW-8-042117 | | 2005 | | | X | | X | | | | | | | | | | | | | | | | |

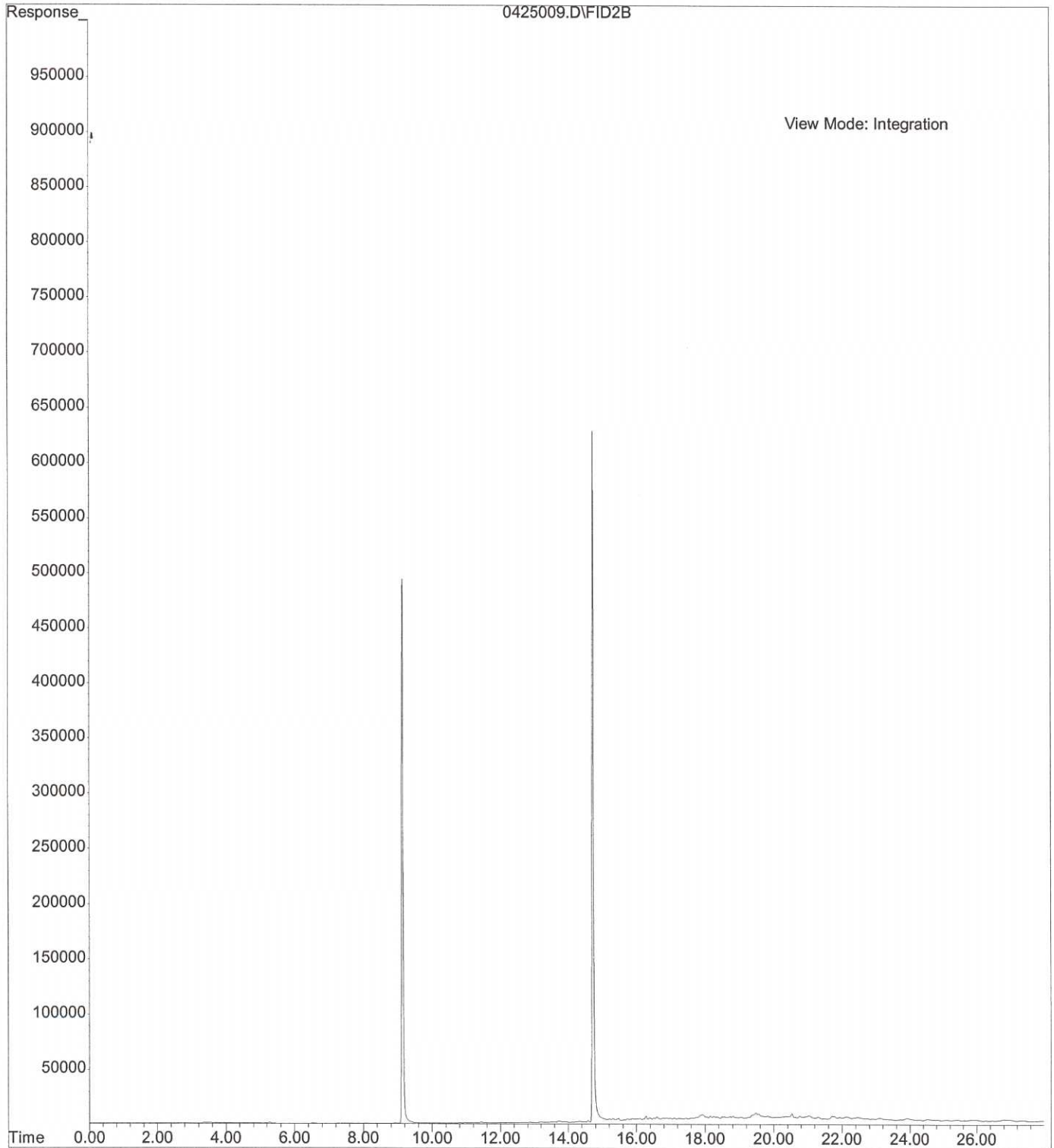
~~X~~ ~~X~~ HOLD-DJ

| Signature | Company | Date | Time | Comments/Special Instructions |
|-----------|----------|---------|------|-----------------------------------------------------------------------------------------------------------------------|
| | Farallon | 4/22/17 | 1142 | |
| | Farallon | 4/22/17 | 1142 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

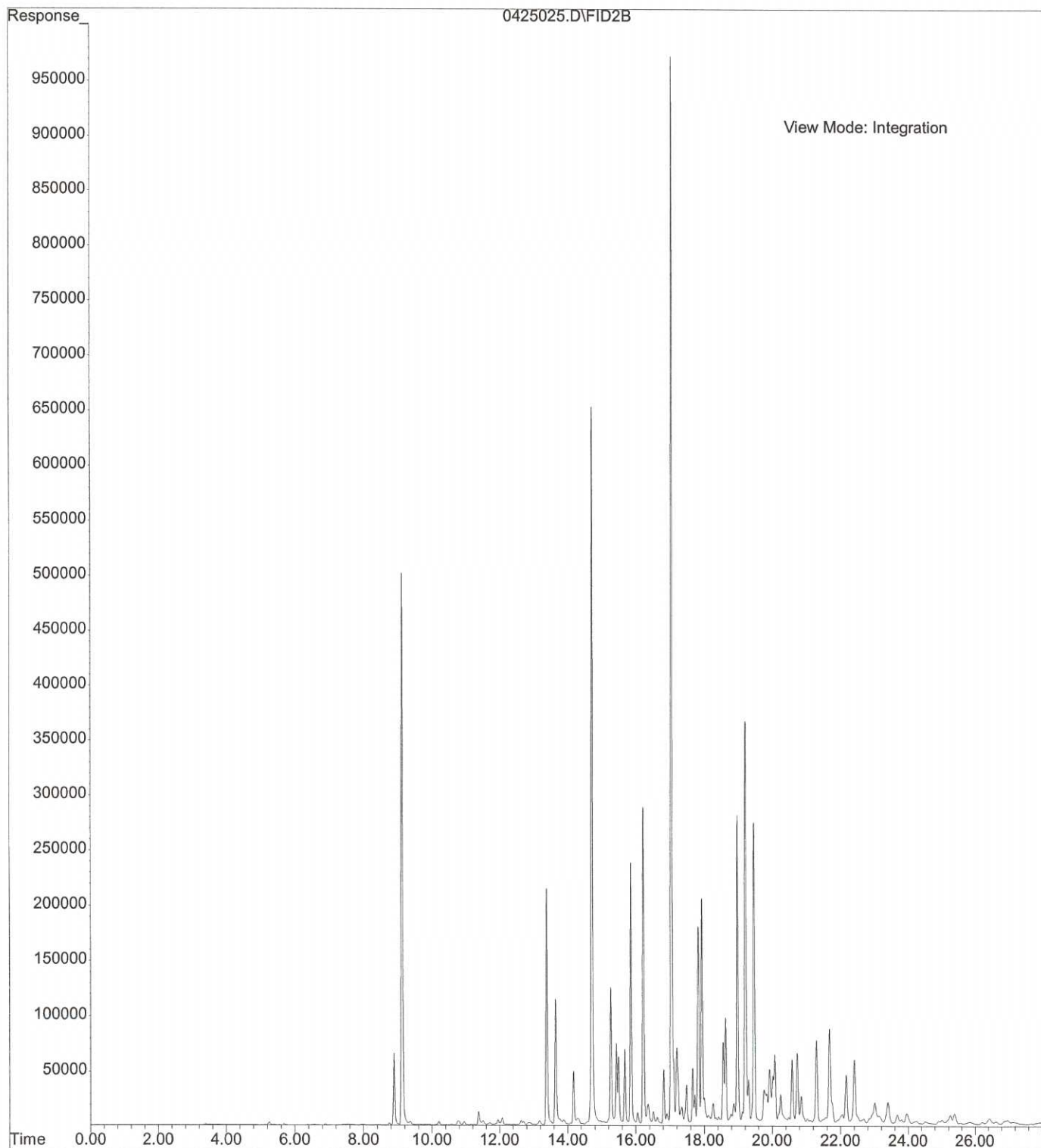
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Instrument : Hope
Sample Name: 04-213-01c
Misc Info :
Vial Number: 8



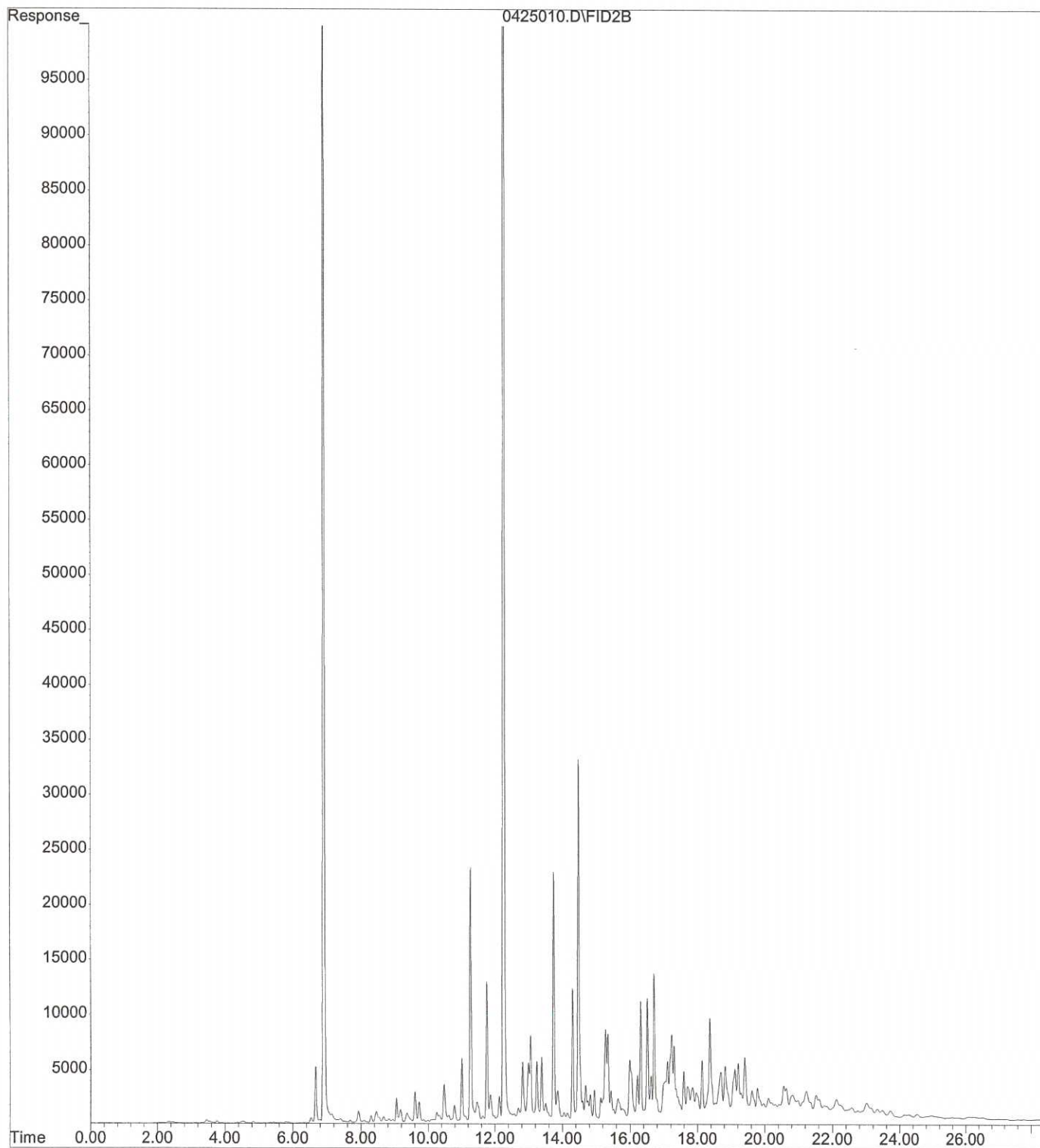
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Operator :
Acquired : 25 Apr 2017 14:43 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-02c
Misc Info :
Vial Number: 9



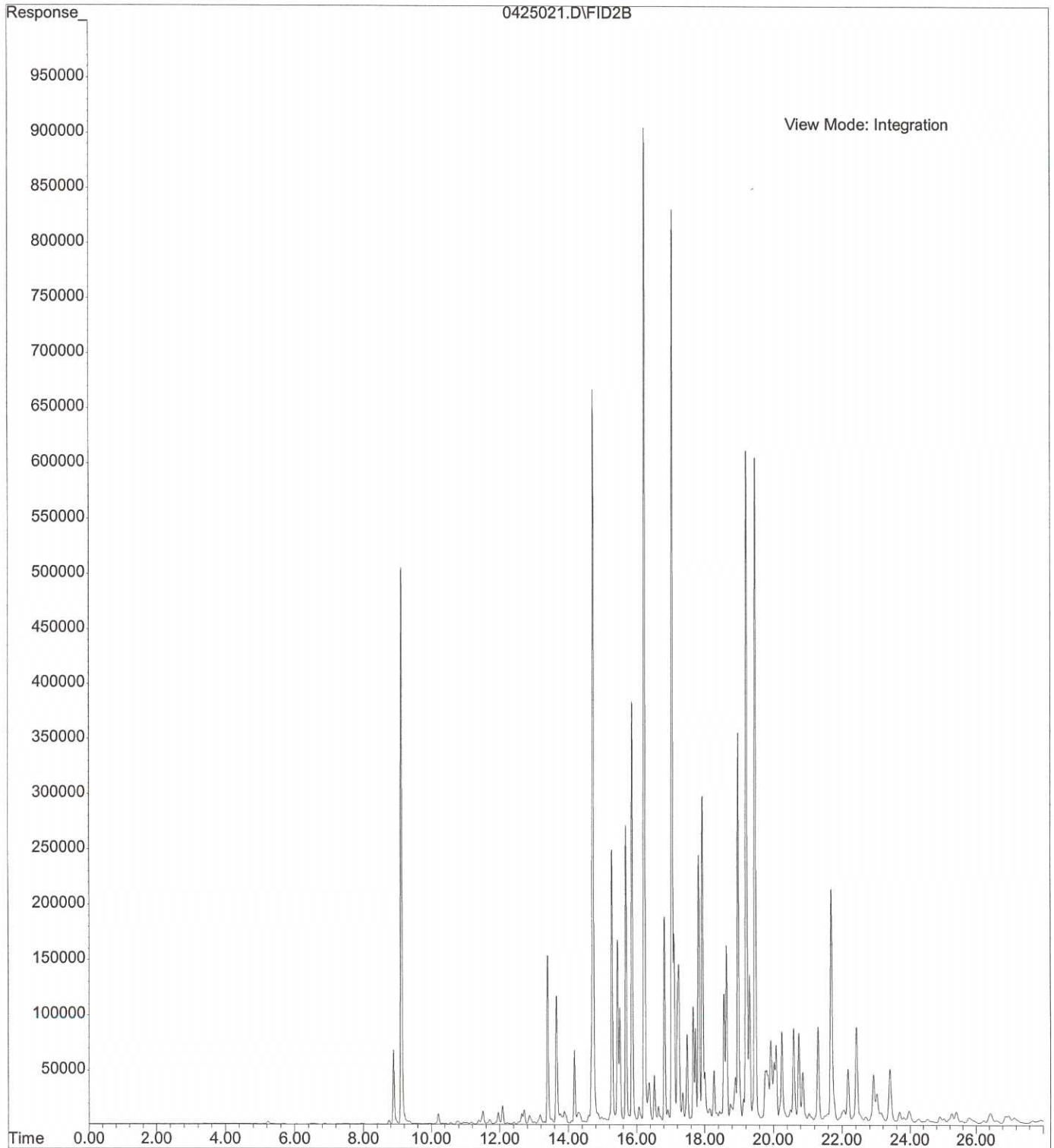
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Acquired : 26 Apr 2017 00:30 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-05c
Misc Info :
Vial Number: 25



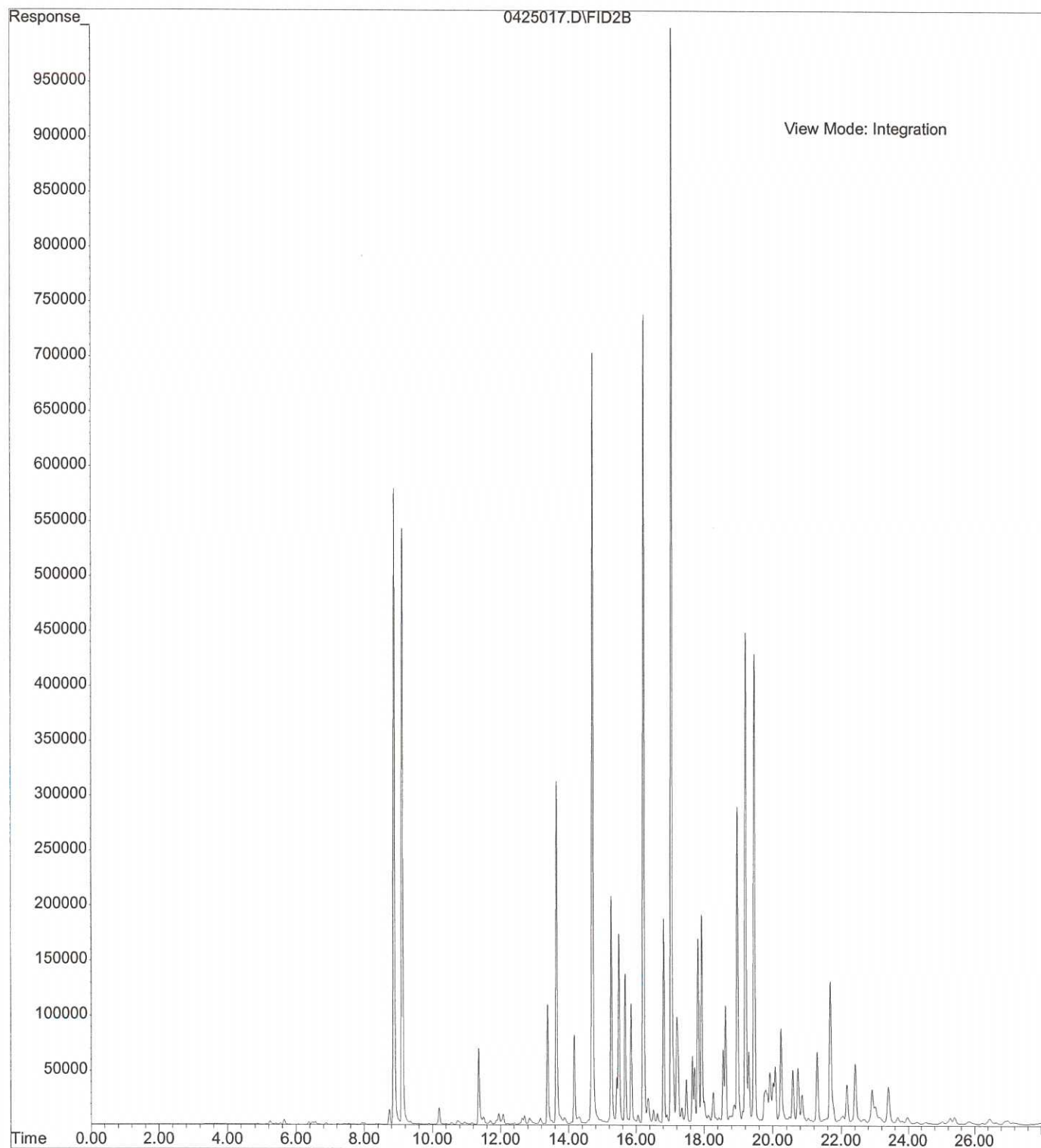
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Operator :
Acquired : 25 Apr 2017 18:35 using AcqMethod 170203B.M
Instrument : Daryl
Sample Name: 04-213-06c 1:4
Misc Info :
Vial Number: 10



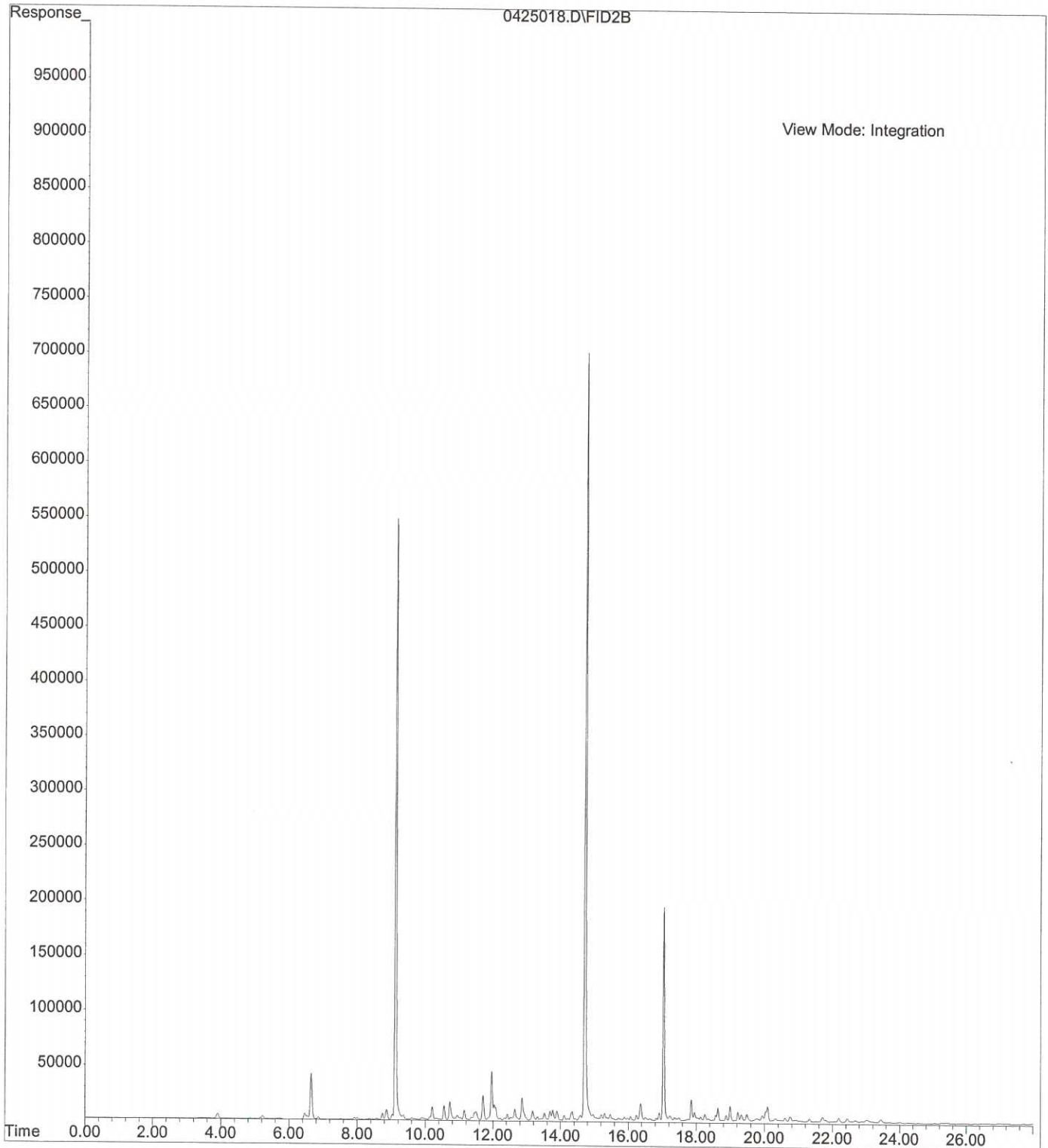
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Operator :
Acquired : 25 Apr 2017 22:16 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-07c
Misc Info :
Vial Number: 21



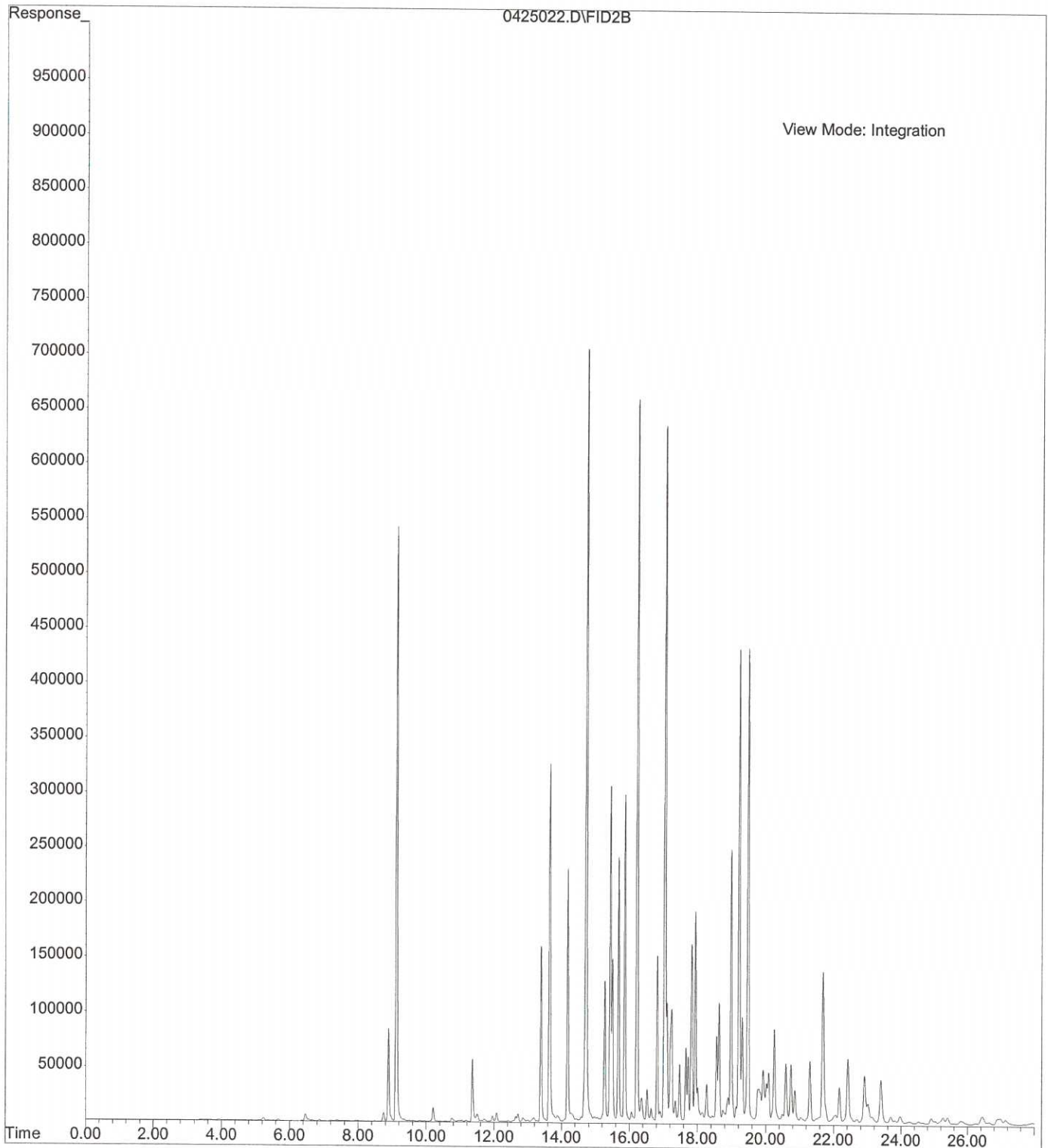
File : X:\BTEX\HOPE\DATA\H170425\0425017.D
Operator :
Acquired : 25 Apr 2017 20:03 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-08c
Misc Info :
Vial Number: 17



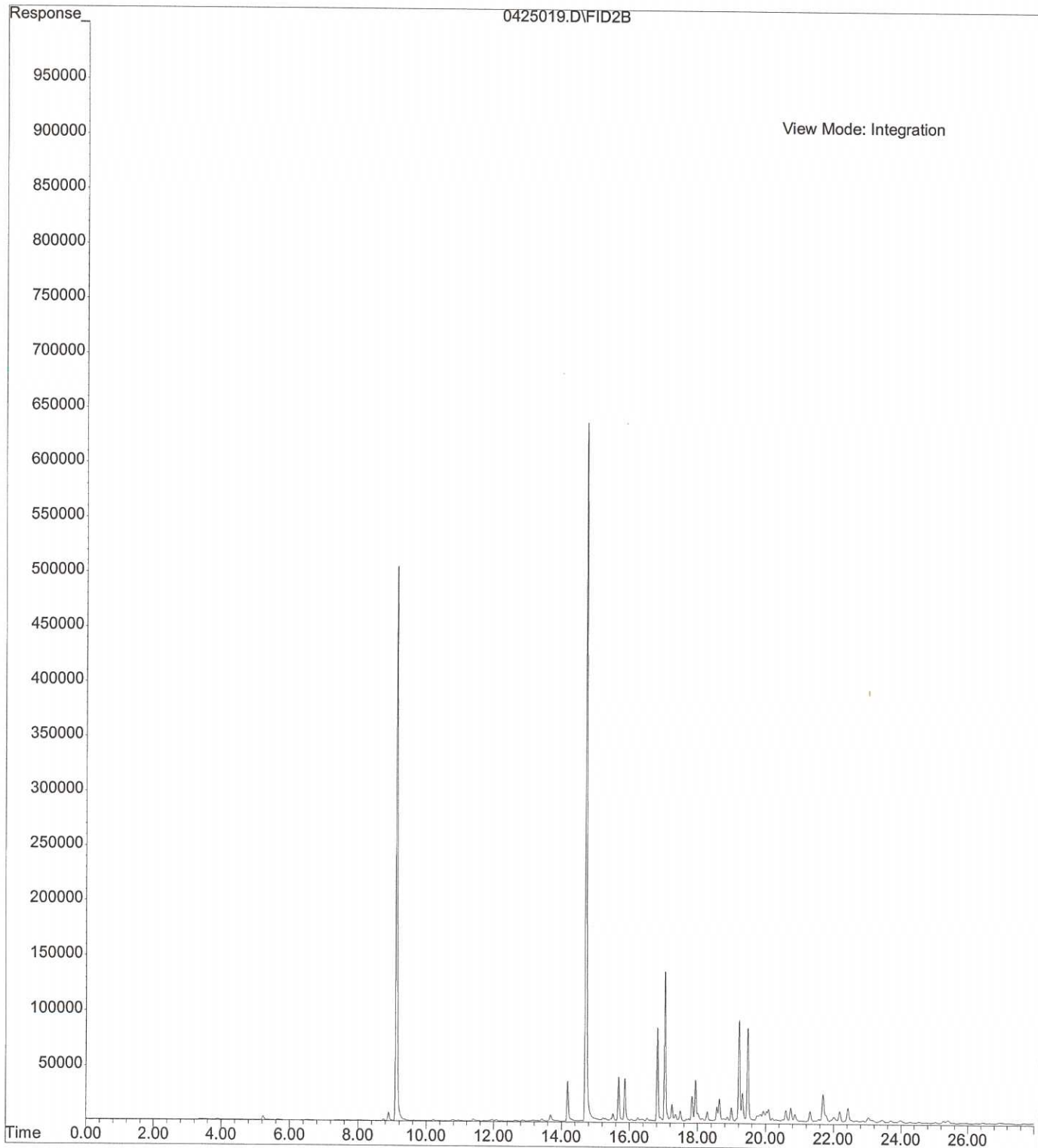
File : X:\BTEX\HOPE\DATA\H170425\0425018.D
Operator :
Acquired : 25 Apr 2017 20:36 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-10c
Misc Info :
Vial Number: 18



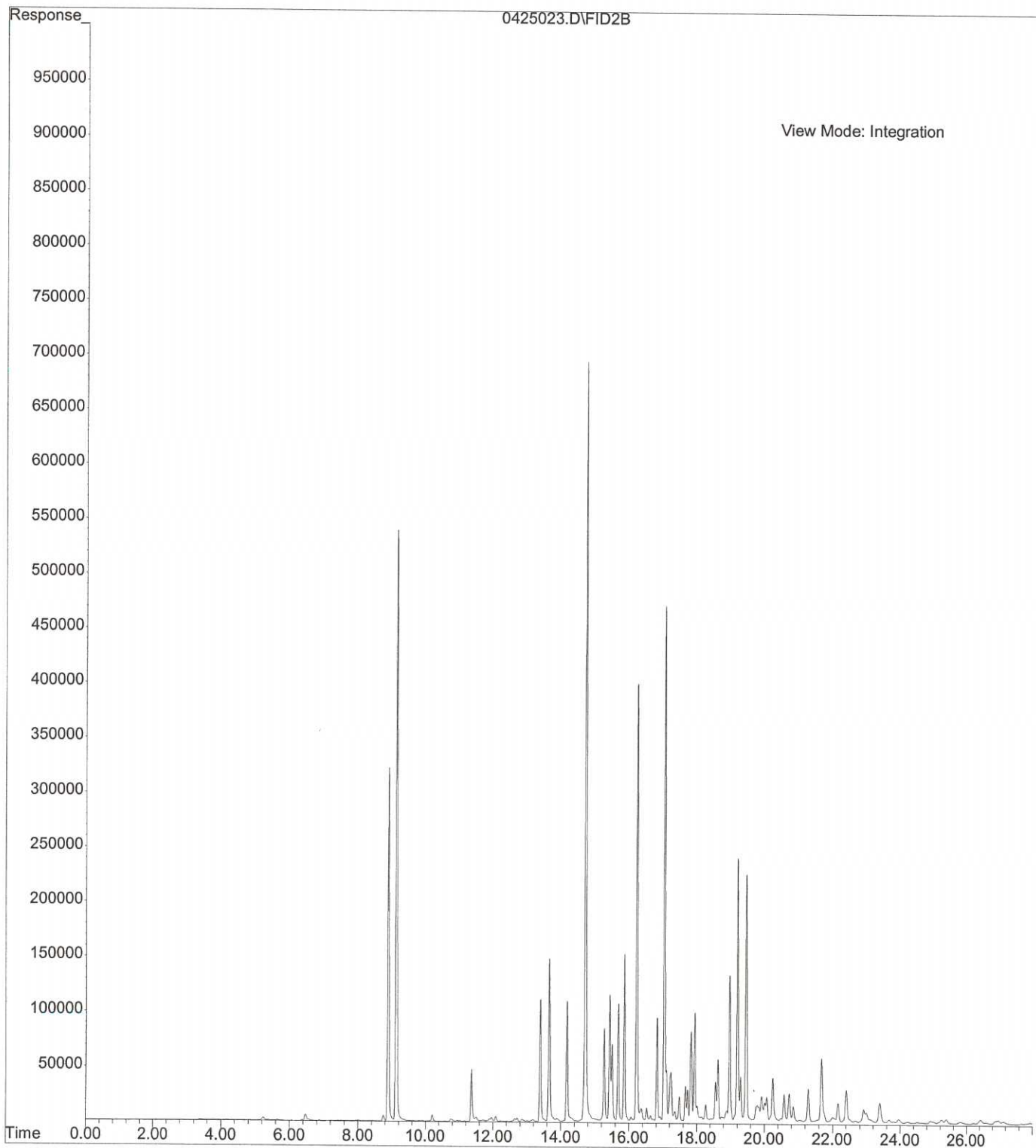
File : X:\BTEX\HOPE\DATA\H170425\0425022.D
Operator :
Acquired : 25 Apr 2017 22:49 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-11c
Misc Info :
Vial Number: 22



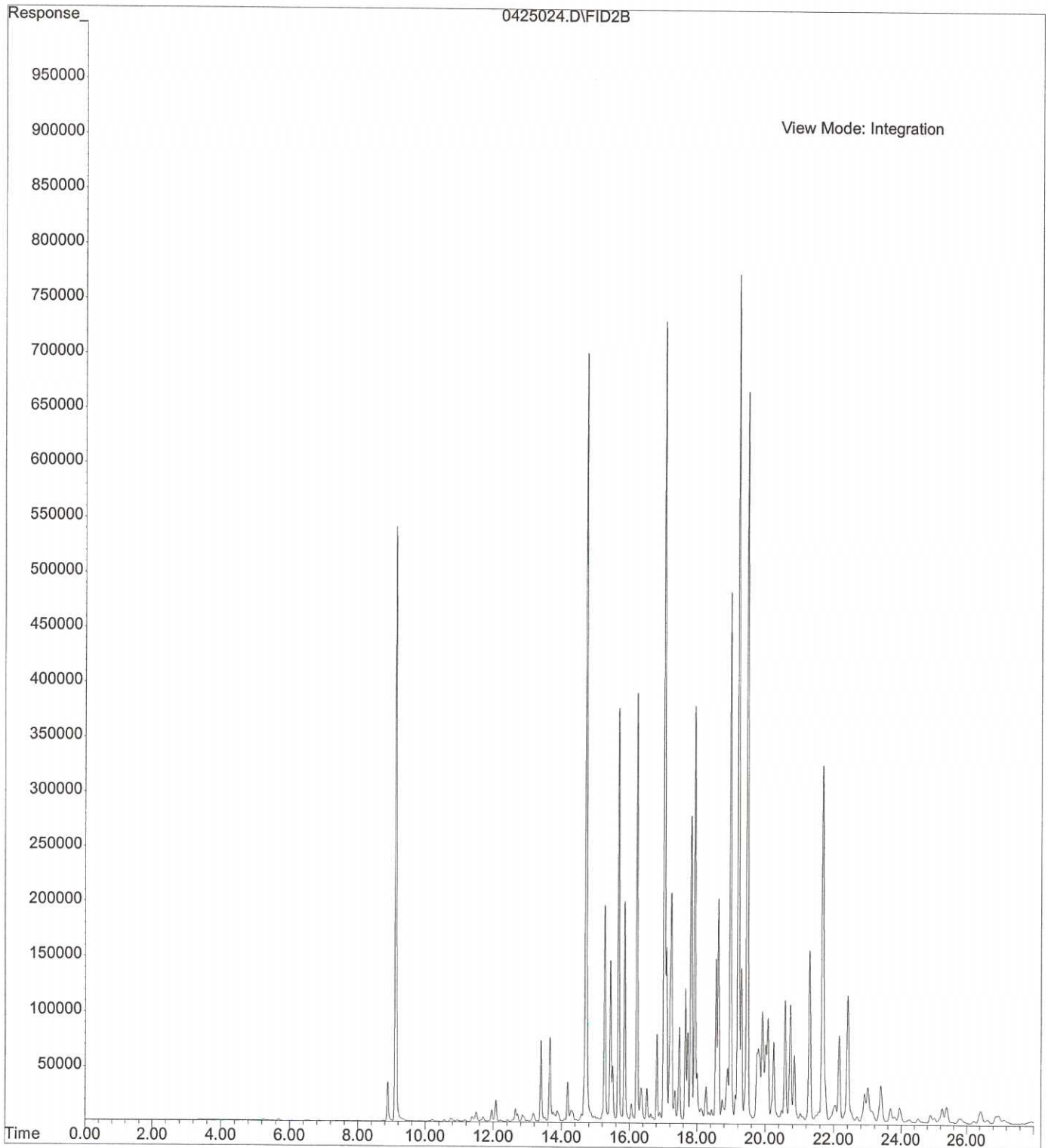
File : X:\BTEX\HOPE\DATA\H170425\0425019.D
Operator :
Acquired : 25 Apr 2017 21:09 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-12c
Misc Info :
Vial Number: 19



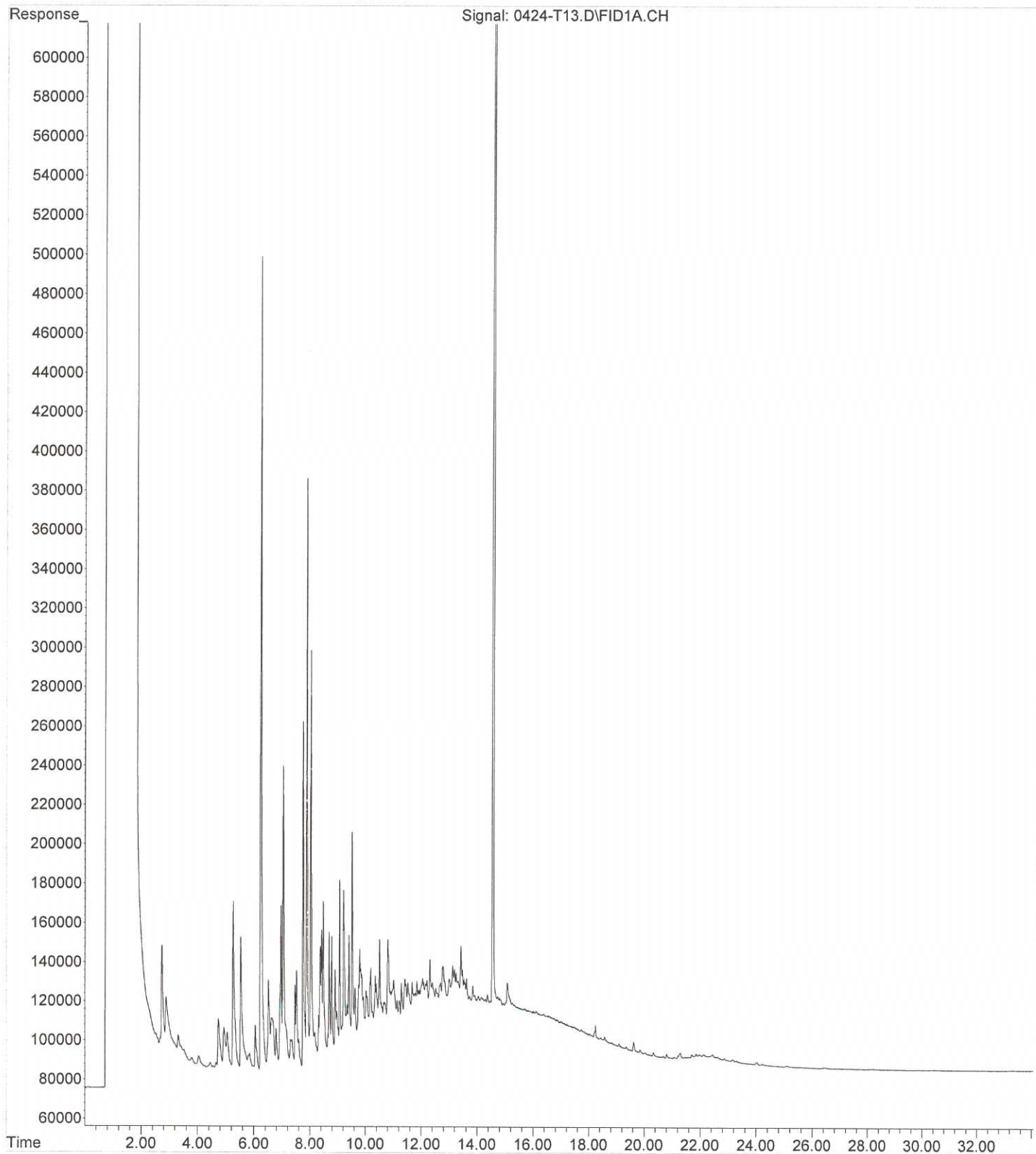
File : X:\BTEX\HOPE\DATA\H170425\0425023.D
Operator :
Acquired : 25 Apr 2017 23:23 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-13c
Misc Info :
Vial Number: 23



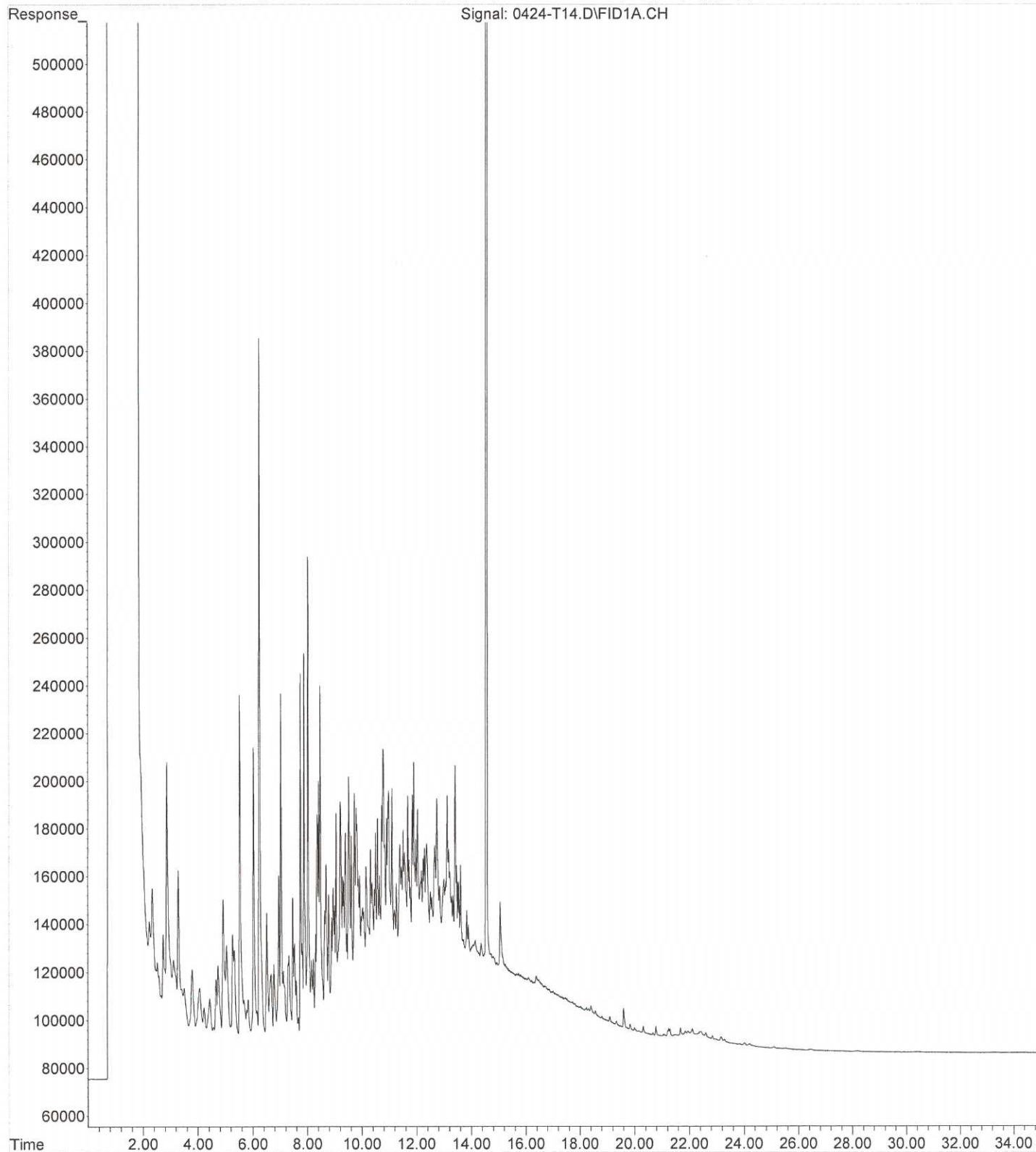
File : X:\BTEX\HOPE\DATA\H170425\0425024.D
Operator :
Acquired : 25 Apr 2017 23:56 using AcqMethod 170327B.M
Instrument : Hope
Sample Name: 04-213-15c
Misc Info :
Vial Number: 24



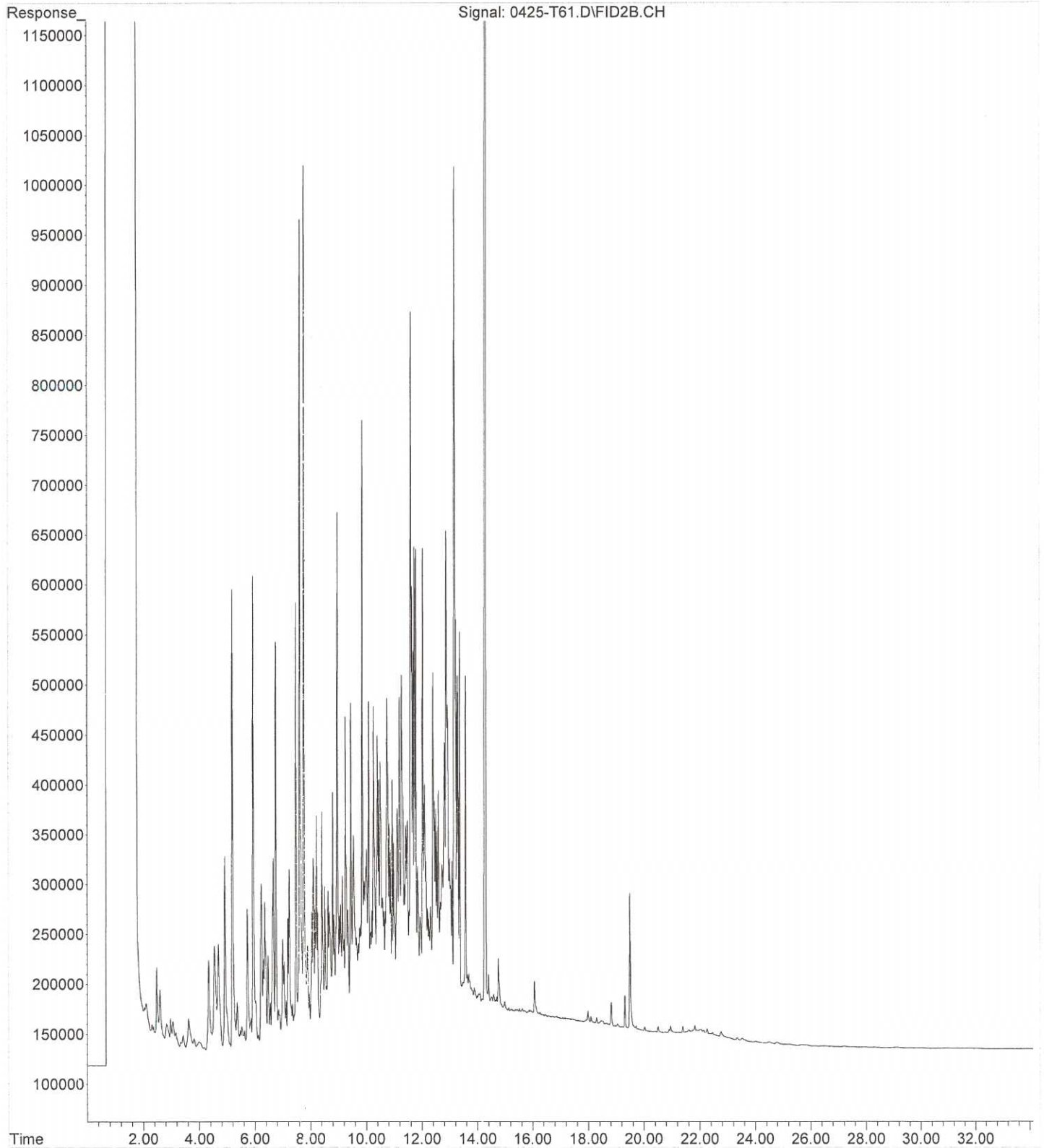
File :X:\DIESELS\TERI\DATA\T170424\0424-T13.D
Operator : ZT
Acquired : 25 Apr 2017 0:07 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-05
Misc Info :
Vial Number: 13



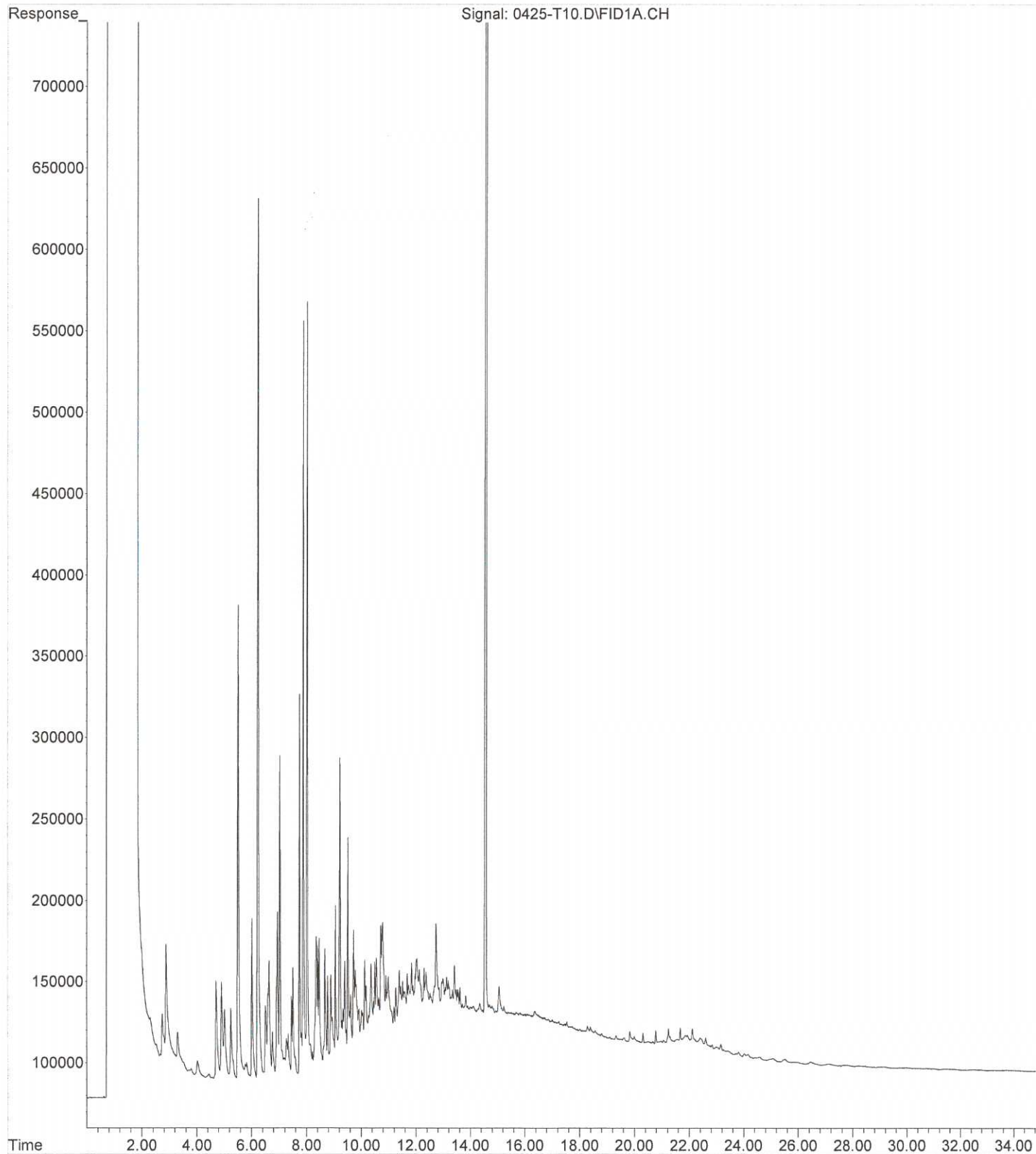
File :X:\DIESELS\TERI\DATA\T170424\0424-T14.D
Operator : ZT
Acquired : 25 Apr 2017 0:50 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-06
Misc Info :
Vial Number: 14



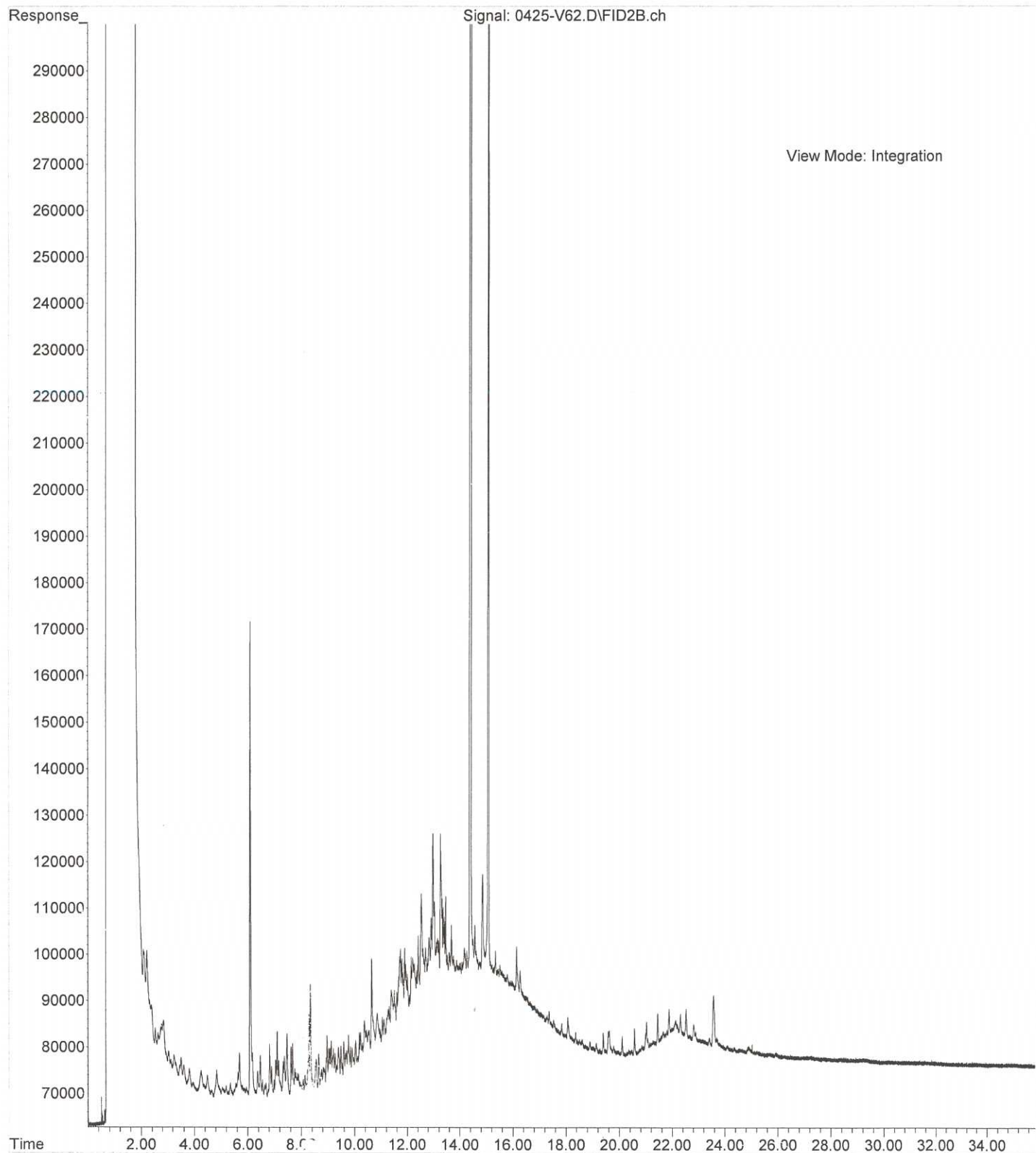
File :X:\DIESELS\TERI\DATA\T170425.SEC\0425-T61.D
Operator : ZT
Acquired : 25 Apr 2017 16:16 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-07
Misc Info :
Vial Number: 61



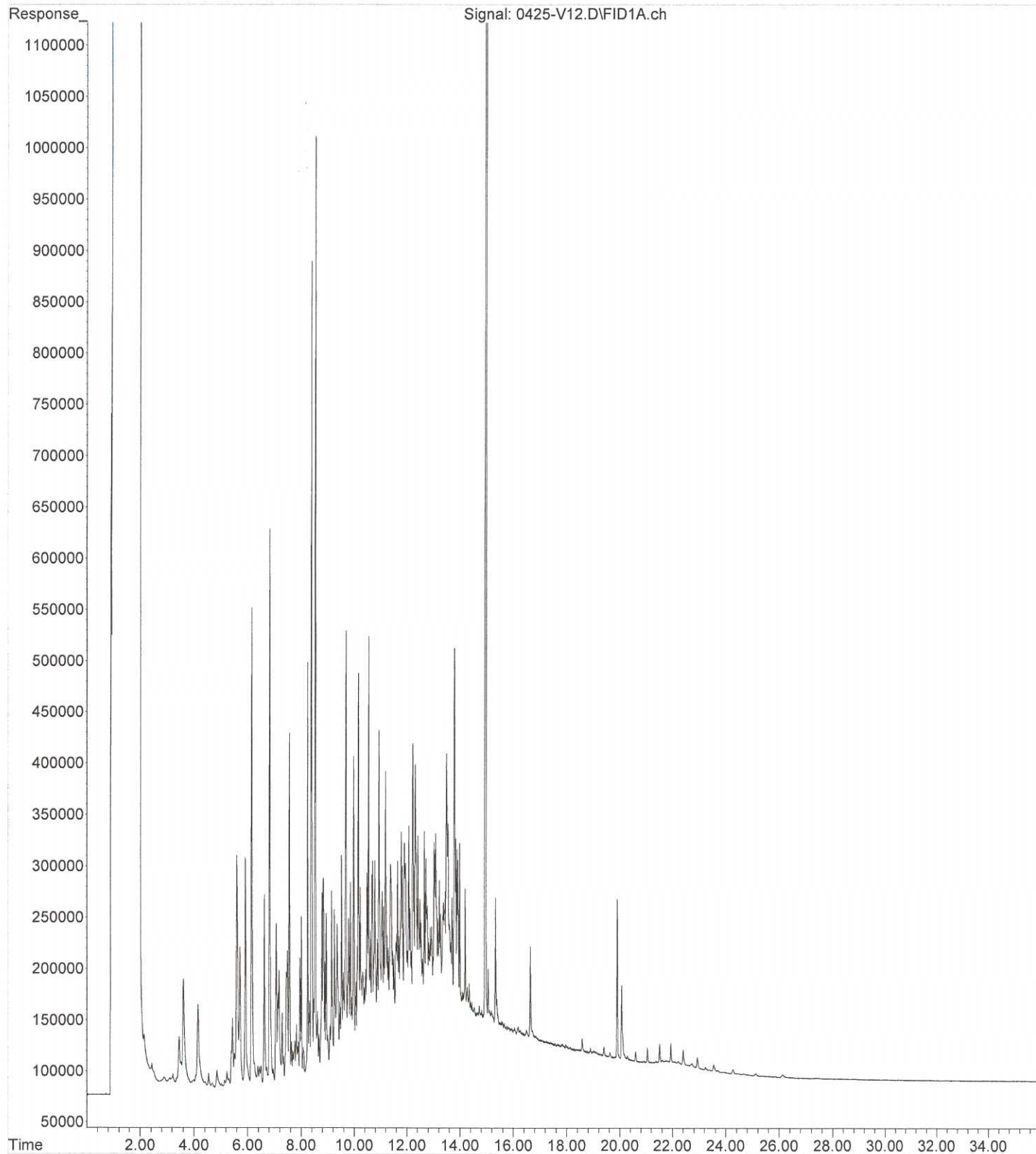
File :X:\DIESELS\TERI\DATA\T170425\0425-T10.D
Operator : ZT
Acquired : 25 Apr 2017 15:33 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-08
Misc Info :
Vial Number: 10



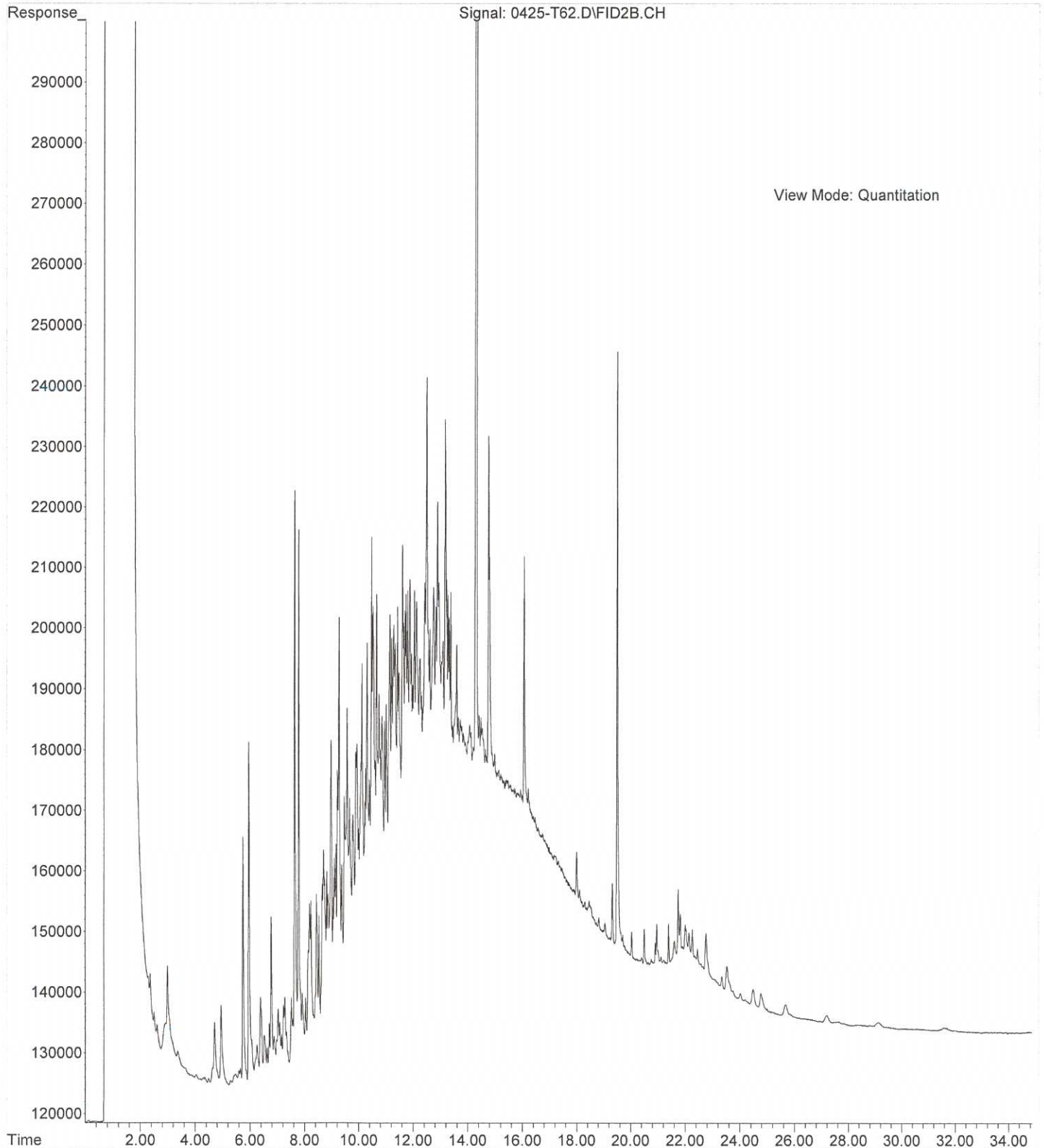
File :X:\DIESELS\VIGO\DATA\V170425.SEC\0425-V62.D
Operator :
Acquired : 25 Apr 2017 16:10 using AcqMethod V170412F.M
Instrument : Vigo
Sample Name: 04-213-10
Misc Info :
Vial Number: 62



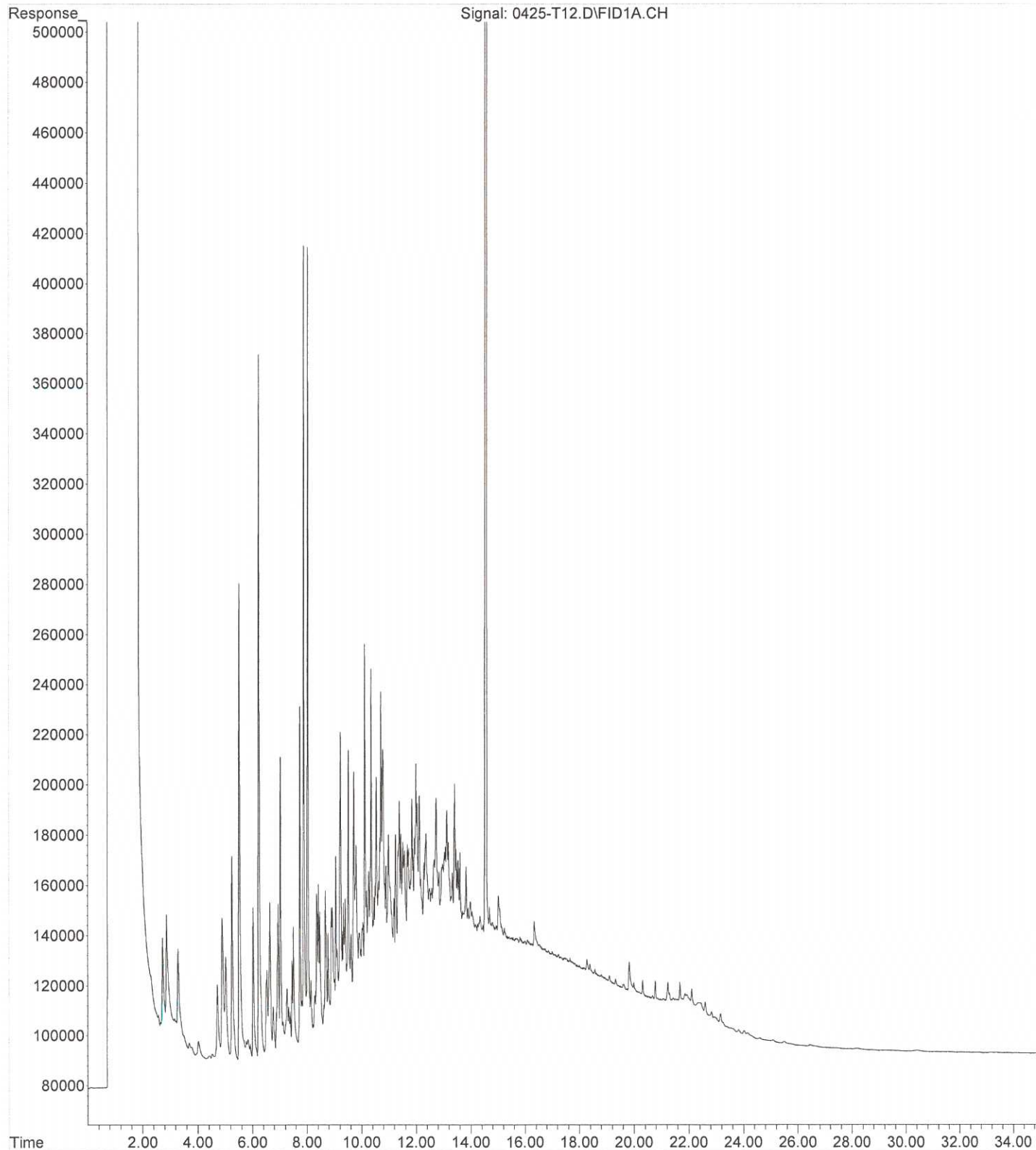
File :X:\DIESELS\VIGO\DATA\V170425\0425-V12.D
Operator :
Acquired : 25 Apr 2017 16:10 using AcqMethod V170412F.M
Instrument : Vigo
Sample Name: 04-213-11
Misc Info :
Vial Number: 12



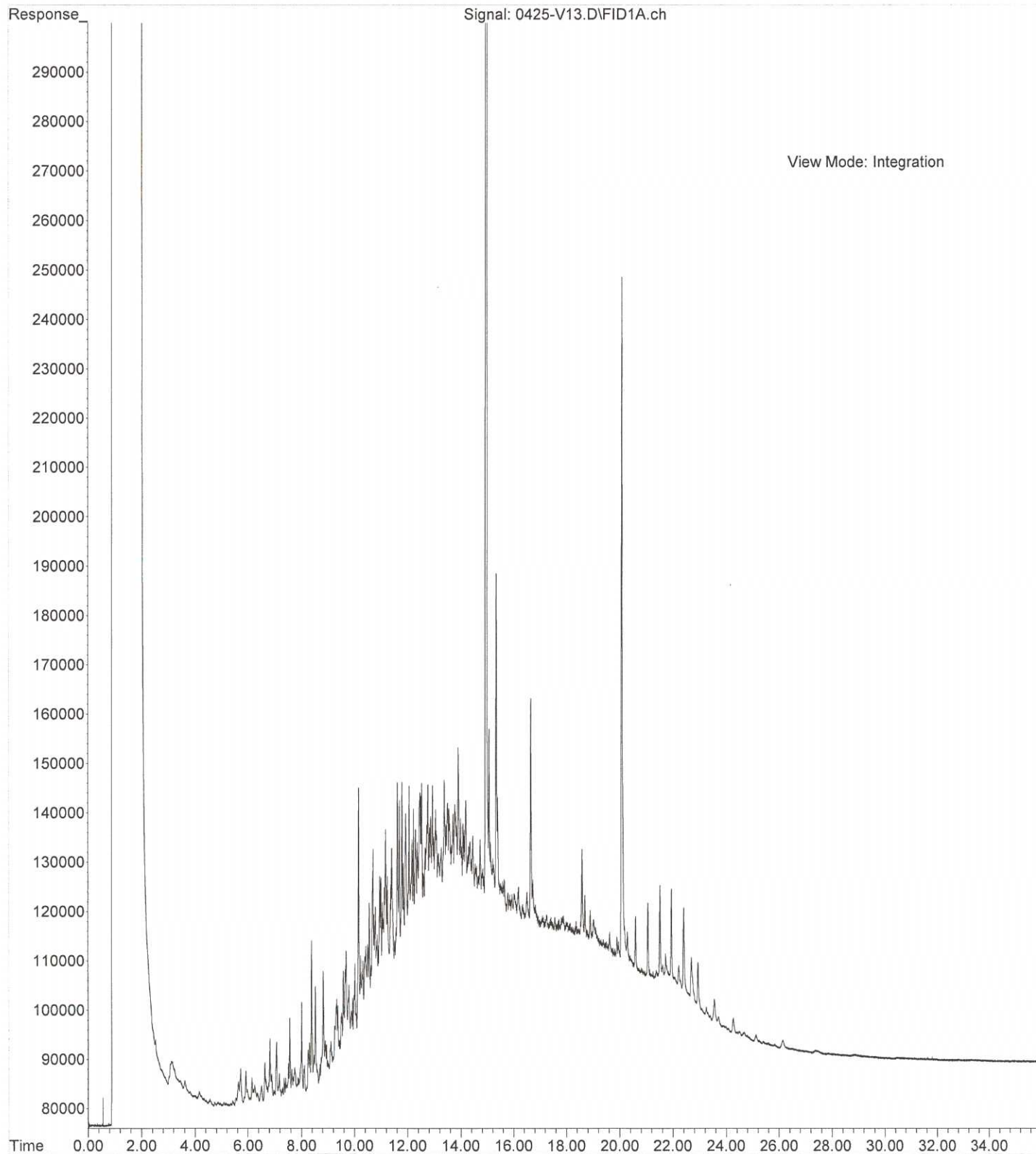
File :X:\DIESELS\TERI\DATA\T170425.SEC\0425-T62.D
Operator : ZT
Acquired : 25 Apr 2017 16:59 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-12
Misc Info :
Vial Number: 62



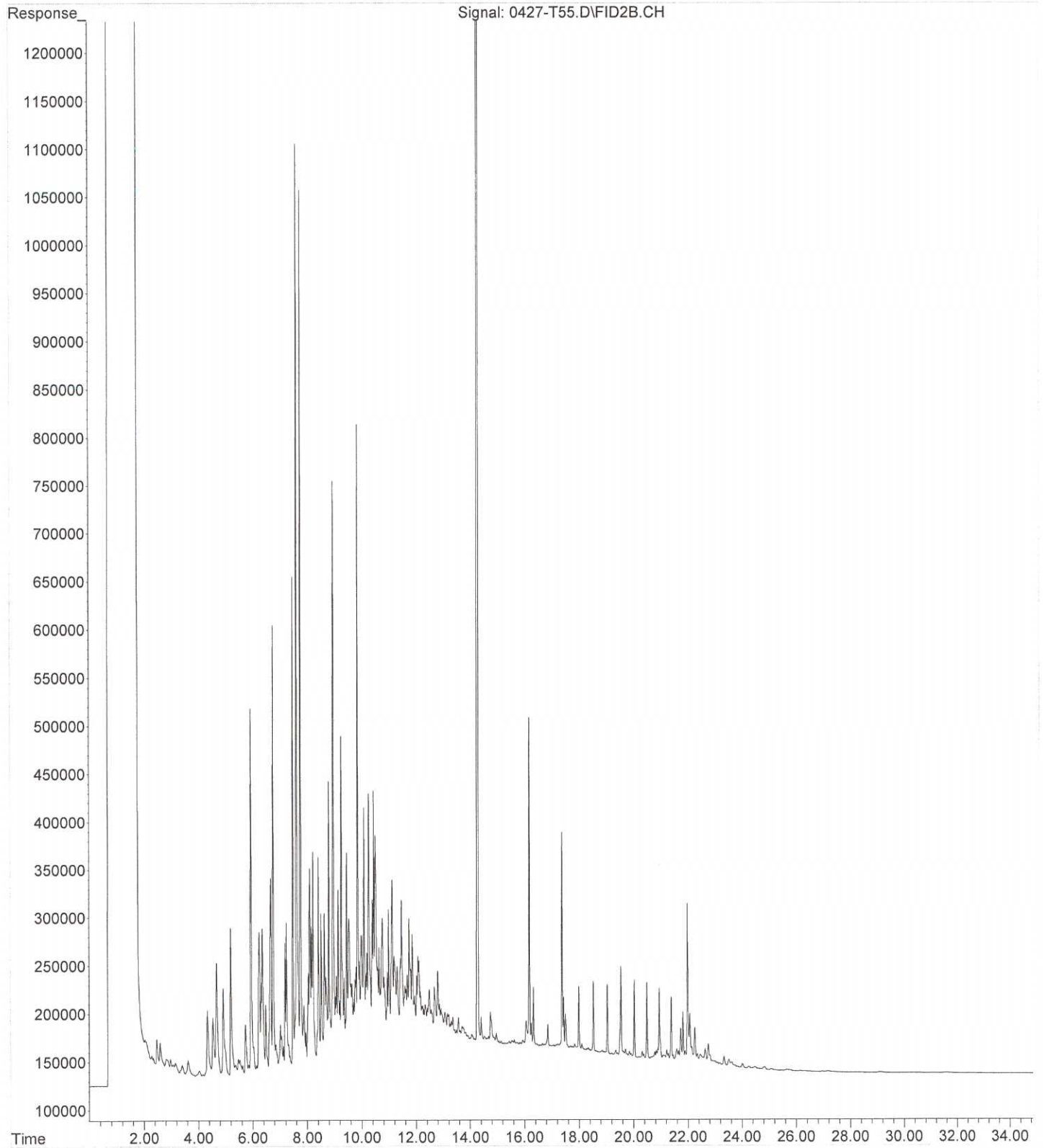
File : X:\DIESELS\TERI\DATA\T170425\0425-T12.D
Operator : ZT
Acquired : 25 Apr 2017 16:59 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-13
Misc Info :
Vial Number: 12



File :X:\DIESELS\VIGO\DATA\V170425\0425-V13.D
Operator :
Acquired : 25 Apr 2017 16:50 using AcqMethod V170412F.M
Instrument : Vigo
Sample Name: 04-213-14
Misc Info :
Vial Number: 13



File :X:\DIESELS\TERI\DATA\T170427.SEC\0427-T55.D
Operator : ZT
Acquired : 27 Apr 2017 11:00 using AcqMethod T161216F.M
Instrument : Teri
Sample Name: 04-213-15 RR
Misc Info :
Vial Number: 55





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 10, 2017

Javan Ruark
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1001-002
Laboratory Reference No. 1709-386

Dear Javan:

Enclosed are the analytical results and associated quality control data for samples submitted on September 30, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 10, 2017
Samples Submitted: September 30, 2017
Laboratory Reference: 1709-386
Project: 1001-002

Case Narrative

Samples were collected on September 28 and 29, 2017 and received by the laboratory on September 30, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-5-092817 | | | | | |
| Laboratory ID: | 09-386-01 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 93 | 61-118 | | | | |
| Client ID: | MW-3-092817 | | | | | |
| Laboratory ID: | 09-386-02 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 95 | 61-118 | | | | |
| Client ID: | MW-4-092817 | | | | | |
| Laboratory ID: | 09-386-03 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 110 | 61-118 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-7-092817 | | | | | |
| Laboratory ID: | 09-386-04 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 90 | 61-118 | | | | |
| Client ID: | MW-6-092817 | | | | | |
| Laboratory ID: | 09-386-05 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | 4.3 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 530 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 88 | 61-118 | | | | |
| Client ID: | MW-1-092917 | | | | | |
| Laboratory ID: | 09-386-06 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 200 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 113 | 61-118 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | BH-3-092917 | | | | | |
| Laboratory ID: | 09-386-07 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 150 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 93 | 61-118 | | | | |
| Client ID: | RW-1-092917 | | | | | |
| Laboratory ID: | 09-386-08 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 93 | 61-118 | | | | |
| Client ID: | MW-10-092917 | | | | | |
| Laboratory ID: | 09-386-09 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | 13 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | 18 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | 8.7 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 1900 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 111 | 61-118 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | MW-11-092917 | | | | | |
| Laboratory ID: | 09-386-10 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | 1.9 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | 11 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | 1.5 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 1000 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 93 | 61-118 | | | | |
| Client ID: | MW-8-092917 | | | | | |
| Laboratory ID: | 09-386-11 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | 4.1 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | 22 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | 5.2 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 1300 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 91 | 61-118 | | | | |
| Client ID: | MW-9-092917 | | | | | |
| Laboratory ID: | 09-386-12 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | 1.5 | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | 500 | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | O |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 90 | 61-118 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1002W1 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 112 | 61-118 | | | | |
| Laboratory ID: | MB1002W2 | | | | | |
| Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Toluene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Ethyl Benzene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| m,p-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| o-Xylene | ND | 1.0 | EPA 8021B | 10-2-17 | 10-2-17 | |
| Gasoline | ND | 100 | NWTPH-Gx | 10-2-17 | 10-2-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 115 | 61-118 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|---------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 09-376-12 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| Fluorobenzene | | | | 107 | 97 | 61-118 | | |
| Laboratory ID: | 09-376-13 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Toluene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Ethyl Benzene | ND | ND | NA | NA | NA | NA | NA | 30 |
| m,p-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| o-Xylene | ND | ND | NA | NA | NA | NA | NA | 30 |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| <i>Surrogate:</i> | | | | | | | | |
| Fluorobenzene | | | | 96 | 93 | 61-118 | | |
| SPIKE BLANKS | | | | | | | | |
| Laboratory ID: | SB1002W1 | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | |
| Benzene | 54.2 | 56.4 | 50.0 | 50.0 | 108 | 113 | 79-120 | 4 11 |
| Toluene | 54.1 | 56.4 | 50.0 | 50.0 | 108 | 113 | 79-118 | 4 12 |
| Ethyl Benzene | 53.6 | 55.9 | 50.0 | 50.0 | 107 | 112 | 80-117 | 4 12 |
| m,p-Xylene | 53.4 | 55.5 | 50.0 | 50.0 | 107 | 111 | 80-117 | 4 12 |
| o-Xylene | 53.5 | 55.3 | 50.0 | 50.0 | 107 | 111 | 80-116 | 3 11 |
| <i>Surrogate:</i> | | | | | | | | |
| Fluorobenzene | | | | | 96 | 85 | 61-118 | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | MW-5-092817 | | | | | |
| Laboratory ID: | 09-386-01 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |
| Client ID: | MW-3-092817 | | | | | |
| Laboratory ID: | 09-386-02 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 97 | 50-150 | | | | |
| Client ID: | MW-4-092817 | | | | | |
| Laboratory ID: | 09-386-03 | | | | | |
| Diesel Range Organics | ND | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 92 | 50-150 | | | | |
| Client ID: | MW-7-092817 | | | | | |
| Laboratory ID: | 09-386-04 | | | | | |
| Diesel Range Organics | 0.52 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.47 | NWTPH-Dx | 10-6-17 | 10-8-17 | U1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 96 | 50-150 | | | | |
| Client ID: | MW-6-092817 | | | | | |
| Laboratory ID: | 09-386-05 | | | | | |
| Diesel Range Organics | 0.76 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.43 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 94 | 50-150 | | | | |
| Client ID: | MW-1-092917 | | | | | |
| Laboratory ID: | 09-386-06 | | | | | |
| Diesel Range Organics | 0.41 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 93 | 50-150 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | BH-3-092917 | | | | | |
| Laboratory ID: | 09-386-07 | | | | | |
| Diesel Range Organics | 1.2 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.55 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 95 | 50-150 | | | | |
| Client ID: | RW-1-092917 | | | | | |
| Laboratory ID: | 09-386-08 | | | | | |
| Diesel Range Organics | 0.36 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.44 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 89 | 50-150 | | | | |
| Client ID: | MW-10-092917 | | | | | |
| Laboratory ID: | 09-386-09 | | | | | |
| Diesel Range Organics | 16 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 1.3 | 0.42 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 102 | 50-150 | | | | |
| Client ID: | MW-11-092917 | | | | | |
| Laboratory ID: | 09-386-10 | | | | | |
| Diesel Range Organics | 3.1 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.72 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 99 | 50-150 | | | | |
| Client ID: | MW-8-092917 | | | | | |
| Laboratory ID: | 09-386-11 | | | | | |
| Diesel Range Organics | 2.1 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.69 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 97 | 50-150 | | | | |
| Client ID: | MW-9-092917 | | | | | |
| Laboratory ID: | 09-386-12 | | | | | |
| Diesel Range Organics | 1.2 | 0.26 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil | 0.67 | 0.41 | NWTPH-Dx | 10-6-17 | 10-8-17 | N1 |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 92 | 50-150 | | | | |



Date of Report: October 10, 2017
 Samples Submitted: September 30, 2017
 Laboratory Reference: 1709-386
 Project: 1001-002

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1006W1 | | | | | |
| Diesel Range Organics | ND | 0.25 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| Lube Oil Range Organics | ND | 0.40 | NWTPH-Dx | 10-6-17 | 10-8-17 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 93 | 50-150 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 09-386-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range | ND | ND | NA | NA | NA | NA | NA | NA |
| Lube Oil Range | ND | ND | NA | NA | NA | NA | NA | NA |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 89 | 89 | 50-150 | | |
| Laboratory ID: | 09-386-09 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 15.7 | 9.42 | NA | NA | NA | NA | 50 | NA |
| Lube Oil | 1.26 | 1.10 | NA | NA | NA | NA | 14 | NA N1 |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 102 | 98 | 50-150 | | |





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Javan Ruark
 Sampled by: Jared Kerr

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **09-386**

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture | | |
|--------|-----------------------|--------------|--------------|--------|----------------------|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|--|--|
| 1 | MW-5-092817 | 9/29 | 1430 | water | 5 | X | X | | | | | | | | | | | | | | | | | | |
| 2 | MW-3-092817 | | 1600 | | | X | X | | | | | | | | | | | | | | | | | | |
| 3 | MW-4-092817 | | 1707 | | | X | X | | | | | | | | | | | | | | | | | | |
| 4 | MW-7-092817 | | 1830 | | | X | X | | | | | | | | | | | | | | | | | | |
| 5 | MW-6-092817 | | 1942 | | | X | X | | | | | | | | | | | | | | | | | | |
| 6 | MW-1-092917 | 9/29 | 0930 | | | X | X | | | | | | | | | | | | | | | | | | |
| 7 | BH-3-092917 | | 1055 | | | X | X | | | | | | | | | | | | | | | | | | |
| 8 | RW-1-092917 | | 1237 | | | X | X | | | | | | | | | | | | | | | | | | |
| 9 | MW-10-092917 | | 1615 | | | X | X | | | | | | | | | | | | | | | | | | |
| 10 | MW-11-092917 | | 1737 | | | X | X | | | | | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|----------|---------------|------|-----------------------------------------------------------------------------------------------------------------------|
| | Farallon | 9/30/17 | 1120 | |
| | OnSite | 9/30/17 | 1120 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | Reviewed/Date | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

Chain of Custody

Company: Farallon
 Project Number: 1001-002
 Project Name: Coleman Oil
 Project Manager: Jovan Runk
 Sampled by: Jared Kerr

Turnaround Request (in working days)

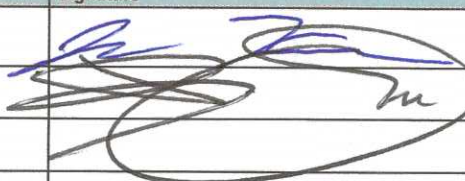

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 09-386

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|--------------|--------|----------------------|
| 11 | MW-8-092917 | 9/29 | 1844 | water | 5 |
| 12 | MW-9-092917 | 9/29 | 1955 | water | 5 |
| <div style="border: 2px solid blue; border-radius: 50%; width: 150px; height: 150px; margin: auto; display: flex; align-items: center; justify-content: center;"> JK </div> | | | | | |

| NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-Gx | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) | Volatiles 8260C | Halogenated Volatiles 8260C | EDB EPA 8011 (Waters Only) | SemiVolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture |
|------------|---------------|----------|---------------------------------------------------------|-----------------|-----------------------------|----------------------------|-----------------------------------------------|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|
| | X | | X | | | | | | | | | | | | | | |
| | X | | X | | | | | | | | | | | | | | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------|
|  | Farallon | 9/30/17 | 1120 | |
|  | OnSite Env | 9/30/17 | 1120 | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | Reviewed/Date | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | |