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By Alameda County Environmental Health at 9:56 am, Jul 25, 2014



July 24, 2014

Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577 **Nicole M. Arceneaux** Project Manager Marketing Business Unit Chevron Environmental Management Company 6101 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 790-6912 nicole.arceneaux@chevron.com

Re: 76 Service Station #1156 (Chevron Site #351645)

4276 MacArthur Boulevard, Oakland, California

ACEH Fuel Leak Case No. RO0000409 RWQCB Case No. 01-2474 GeoTracker Global ID T0600102279

I have reviewed the attached monitoring well installation report dated July 25, 2014.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by AECOM, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13257(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

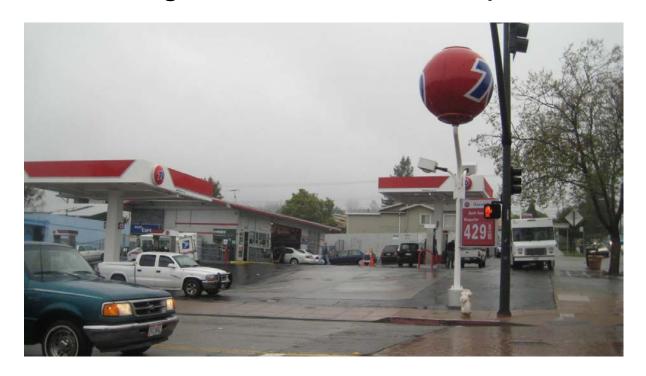
Sincerely,

Nicole Arceneaux Project Manager

Attachment: Monitoring Well Installation Report



Monitoring Well Installation Report



76 Service Station No. 1156 (351645) 4276 MacArthur Boulevard Oakland, California

ACEH Case No. RO0000409 RWQCB Case No. 01-2474

Prepared by: **AECOM** Camarillo, California July 2014

Monitoring Well Installation Report

76 Service Station No. 1156 (351645) 4276 MacArthur Boulevard Oakland, California

ACEH Case No. RO0000409 RWQCB Case No. 01-2474

Prepared by:

James Harms **Project Geologist** Chad Roper, PhD Project Manager

Reviewed by:

Sara Arav Piper, P.G.

Project Geologist

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1.0 Introduction

On behalf of Chevron Environmental Management Company's (EMC's) affiliate, Union Oil of California ("Union Oil"), AECOM is pleased to submit this report on the well installation and limited site assessment recently conducted on-site. AECOM has prepared this report in association with Alameda County Environmental Health (ACEH) Case No. RO0000409, for 76 Service Station No. 1156 (351645), located at 4276 MacArthur Boulevard, Oakland, California (**Figures 1 and 2**).

1.1 Background and Objectives

On November 21, 2013, ACEH issued a directive letter (**Appendix A**) as a result of their review of October 22, 2013, *Third Quarter 2013 Semiannual Groundwater Monitoring and Sampling Report* (AECOM 2013a) and AECOM's October 29, 2013, *Report on Vapor Intrusion Investigation and Risk Assessment for the Oakland Veterinary Hospital*" (AECOM 2013b). In their November 21 letter, ACEH directed EMC to "submit a work plan to conduct interim remediation or pilot testing" to "address the elevated concentrations of petroleum hydrocarbons detected in soil vapor in the northwestern portion of the site adjacent to the Oakland Veterinary Hospital."

On December 18, 2013, EMC and AECOM met with ACEH and discussed their directive to prepare a work plan for interim remediation or pilot testing. As a result of that meeting, ACEH issued an email on December 18, 2013, revising the scope for the work plan as follows:

- "The Work Plan will include a screening of remedial technologies applicable to the area of potential vapor intrusion along the northwestern property boundary.
- The Work Plan will propose site characterization activities focused on evaluation of remedial technologies. A remedial technology is to be selected following the focused data collection.
- The Work Plan will also address data gaps associated with the detections of petroleum hydrocarbons in well MW-11A and shallow groundwater between monitoring well MW-11A and the former tank pit."

On March 6, 2014, AECOM submitted the *Remedial Technology Screening and Work Plan for Site Assessment*, addressing ACEH directives outlined above and to address the data gaps previously identified at the site, which are collectively summarized below (AECOM 2014):

- Perform a screening of feasible remedial technologies for mitigating off-site contaminant migration along the northwestern property boundary and minimizing the potential of vapor intrusion into the adjacent veterinary hospital.
- The vertical extent of groundwater impacts on-site has not been sufficiently assessed to determine the presence of LNAPL or dissolved-phase hydrocarbon concentrations above 10 feet below ground surface (bgs).

The scope of work focused on soil boring and monitoring well installation for on-site hydrocarbon delineation, LNAPL detection, and additional remedial technology screening.

On March 19, 2014, ACEH conditionally approved the work plan, adding additional soil samples and requesting that the wells be 4-inch-diameter wells with stainless steel casings and screens (ACEH 2014). The evaluation of remedial technologies will be submitted in a corrective action plan under separate cover once sufficient groundwater data have been collected.

1.2 Site Location and Description

The site is located at the northern corner of the intersection of MacArthur Boulevard and High Street in an urbanized area of Oakland, California, at the base of the San Leandro Hills (**Figures 1 and 2**).

The site area consists of mixed commercial and residential development. The Oakland Veterinary Hospital (OVH) borders the site to the northwest, beyond which is a pharmacy/drug store. Single-family dwellings border the site to the northeast. An apartment building and commercial businesses (cleaners, tax service, pizza restaurant, and sandwich shop) are present across High Street to the southeast. A vacant lot is located south of the site at the southern corner of the MacArthur Boulevard and High Street intersection (Roberts Tires, GeoTracker Identification [ID] T0600193302). A vacant lot is also located across MacArthur Boulevard to the southwest of the site (Former Shell Station #13-5701, GeoTracker ID T0600101261).

Based on site survey data, surface elevations at the site range from 179.42 feet above mean sea level (amsl) at MW-4B to 173.99 feet amsl at MW-2B (**Appendix A**). Visual observations during site visits further revealed that the elevation at the northeastern site boundary is noticeably higher than at MW-4B. Additionally, the elevation at MW-5 is 169.67 feet amsl. MW-5 is located in the street in front of the OVH (adjacent to the northwest of the site). To summarize, the southwestern portion of the site is at least 8 feet lower in elevation than the northeastern portion; and the western corner is approximately 4 feet lower in elevation than the southern corner.

2.0 Scope of Work

The completed scope of work included the installation of two groundwater monitoring wells to determine the presence of LNAPL on-site, and to collect data for use in further screening of remedial technologies. The locations of the newly installed wells are shown on **Figure 2**. The monitoring well locations were moved slightly from the proposed locations to avoid subsurface utilities identified at the site.

2.1 Monitoring Well Installation

AECOM contracted Pencore Drilling, a State of California C-57-licensed drilling contractor, to advance the boreholes and install the monitoring wells.

2.1.1 Soil Borings and Soil Sampling Collection

AECOM supervised a limited-access combination hollow-stem auger/direct-push technology drill rig which advanced and sampled two soil borings (MW-10S and MW-11S) that were converted into two groundwater monitoring wells (**Figure 2**). The soil borings were continuously sampled with a direct-push technology macro core with acetate liners from the ground surface to a depth of 10 feet bgs.

Soil samples for laboratory analyses were collected at 2-foot intervals, and were biased toward the highest probable degree of contamination based on field screening results. The soil samples were collected in 5-foot-long acetate liners and were screened every foot for field headspace volatile analysis with a photoionization detector (PID) and lithologic description. For volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH) volatile fraction analyses, three EnCore® samplers were used for sample collection and field preservation, consistent with United States Environmental Protection Agency (EPA) Method 5035 requirements. The remaining sample analyses were performed from samples collected in an 8-ounce unpreserved jar. The sample containers were sealed, labeled, recorded on a chain-of-custody form, and placed in a cooler with ice pending delivery to the analytical laboratory (**Appendix C**).

2.1.2 Soil Lithology Observations

The lithology observed during this investigation was generally consistent with previous investigations. The subsurface is predominantly fine-grained material made up of fat and lean clays with varying percentages of sands and gravels. For MW-10S, lean clay with sand and gravel was noted from the surface to 2.0 feet bgs; fat and lean clays were observed from 2.0 to 5.5 feet bgs; and fat clay was observed from 7.0 to 10.0 feet bgs with a trace of fine gravel in the clay at 9.5 to 10.0 feet bgs. For MW-11S, silty gravel was present from the surface to 3.0 feet bgs, lean clay with silt was observed from 3.0 to 7.0 feet bgs, silt with sand was observed from 7.0 to 10.0 feet bgs.

No evidence of moisture was observed in MW-10S, there was a 6" layer of moist soil from 5.0 to 5.5 feet bgs observed in MW-11S. Boring logs are presented in **Appendix D**. These shallower wells (MW-10S and MW-11S) are unlikely to produce significant water based on the dry condition of the fine-grained soil. However, the deeper wells (MW-10A and B, MW-11A and B) appear to intersect a coarser-grained layer that was observed as being moist to wet, suggesting it may produce more water than the surrounding clay. However, due to the surrounding clay, water production will likely be limited with low recharge rates.

2.1.3 Groundwater Monitoring Well Installation

Following completion of the soil sampling, each soil boring was completed as a groundwater monitoring well. Each well consisted of a 4-inch-diameter 316 stainless steel well casings with 3.5 feet of 0.020-inch slot stainless steel screen at the bottom.

A 4-inch-diameter end cap was added to the bottom of each well casing. A Monterey #3 sand pack was placed in the annular space from the bottom of the well screen to 3.5 feet bgs. A 2.5-foot-long hydrated bentonite seal was placed in the annular space above the sand pack using bentonite chips, and concrete colored to match surrounding conditions was used from 1 feet bgs to grade.

Each monitoring well was completed with a traffic-rated well box with a locking well cap, set in the concrete. The cap was permanently labeled with the well identification number. The Alameda County Public Works Agency (ACPWA) inspected the wells and placed an inspection label in each well box. Well construction diagrams are included on the boring logs provided in **Appendix D**.

2.1.4 Soil Sample Analytical Results

The soil samples were analyzed by BC Laboratories, a State of California-certified laboratory, for the following constituents:

- TPH carbon chain (TPHCC) by EPA Method 8015CC; and
- Full-scan VOCs by EPA Method 8260B.

LNAPL was not observed during well installation or development. Groundwater samples will be collected and analyzed during the next routine groundwater monitoring event scheduled for the third quarter of 2014 if sufficient water accumulates in the wells for sampling.

Concentrations of TPHCC, benzene, toluene, ethyl benzene, and total xylenes (BTEX) were detected in the northwestern portion of the property (MW-10S) from 2 feet bgs to 10 feet bgs. These results are consistent with analytical data collected from nearby historical soil boring SB-17 but less than the data for SB-13. TPHCC and BTEX concentrations in the southwestern portion of the property (MW-11S) were detected from 6 to 10.0 feet bgs, consistent with analytical data for MW-3B but less than data for SB-2 (AECOM 2013c).

Carbon-chain analysis was performed on each soil boring sample collected to distinguish light hydrocarbon sources from heavy hydrocarbon sources. Concentrations of total TPH for the wells were low overall (maximum total TPH for MW-10S and MW-11S was 27 milligrams per kilogram [mg/kg], for MW-11S at 2 feet bgs). Results for samples collected in the northwestern portion of the site (MW-10S) indicate a maximum concentration of 2.8 mg/kg at 5 feet bgs for carbon-chain length C10-C11. The maximum concentration detected for MW-11S was 11 mg/kg at 2 feet bgs for carbon-chain length C29-C32.

2.1.5 Groundwater Monitoring Well Development and Survey

AECOM developed the two monitoring wells on July 3, 2014. The wells were first gauged to measure how much water had accumulated in each well. The wells were then developed using a weighted disposable bailer and inertial pump to surge along the well screen for approximately 10 minutes. The wells were then purged using the weighted bailer and inertial pump. Water quality parameters, including temperature, pH, turbidity, were collected from the pump tubing. Copies of the well development logs are provided in **Appendix E**.

Depth to water measurements ranged from 6.02 to 10.13 feet below the top of casing. There was only 0.20 feet of water in MW-10S which was insufficient for development. MW-11S exhibited slow recharge with less than 3 well casing volumes able to be removed after the well went dry twice (**Appendix E**). Observed depth to water measurements for MW-10S and MW-11S are shallower than those observed for MW-10A/B and MW-11A/B, installed in March 2013. This contrast suggests that the shallower zone is not connected to the deeper zone under hydrostatic pressure, which forces the groundwater up in the deeper wells.

The presence of a discontinuous semi-impermeable lithology (i.e., the presence of lean and fat clay) likely causes slow groundwater recovery rates in the shallow zone and limits the vertical migration of petroleum impacts. Lithologies observed during the installation of MW-10S and MW-11S are consistent with historical soil borings and indicate that hydrocarbon mobility is expected to be extremely limited due to tight, semi-permeable soil matrices.

The groundwater monitoring wells were surveyed on July 3, 2014, by Morrow Surveying. The well survey map is included in **Appendix B**.

3.0 Conclusions and Recommendations

3.1 Findings and Conclusions

The horizontal soil impacts at less than 20 feet bgs have been sufficiently evaluated to determine potential downgradient migration of source zone residual impacts (e.g., the former USTs). Although shallow impacts were observed, they appear to be related to minimal mobilization in semi-saturated zones due to a deep aquifer under hydrostatic pressure. Soil data obtained during the installation of downgradient monitoring wells (off-site) and historical soil data indicate that the shallow impacts are confined to the site property. Significant vertical migration of impacts has not been observed based on wells screened below 20 feet bgs, for which BTEX concentrations are stable and/or decreasing.

Soil sample results are consistent with previous investigations, indicating only minor impacts to shallow soil across the site.

AECOM has submitted the required electronic files necessary to comply with ACEH and State of California GeoTracker requirements.

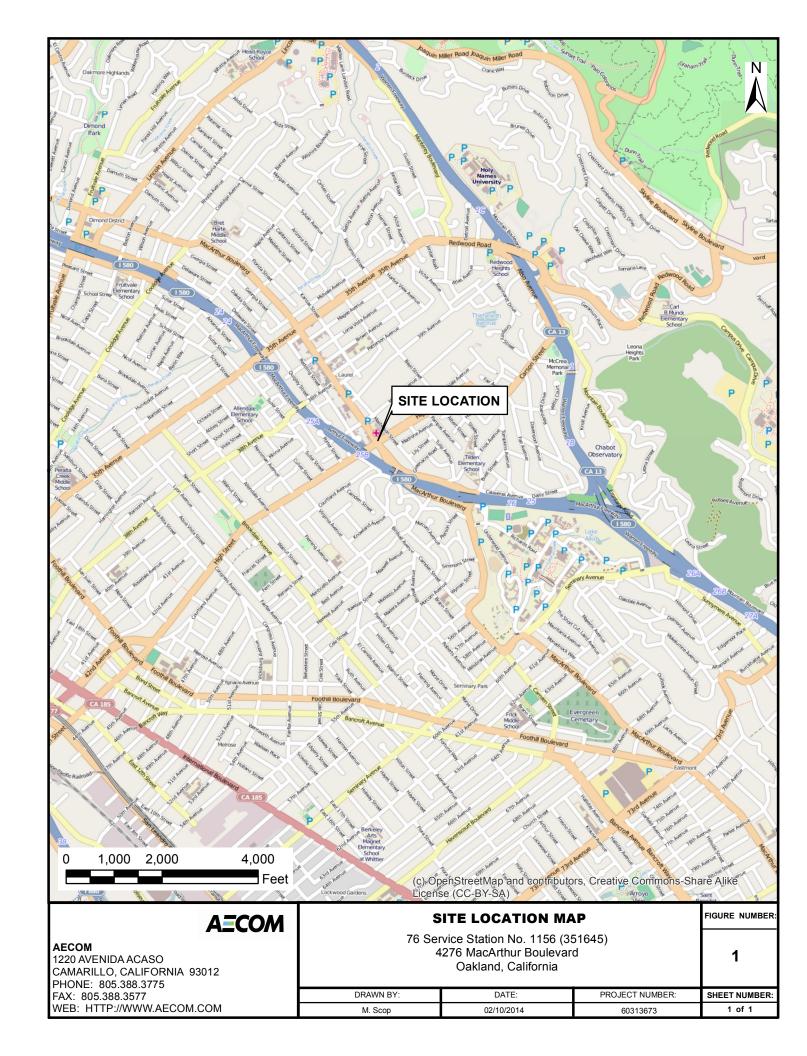
3.2 Recommendations

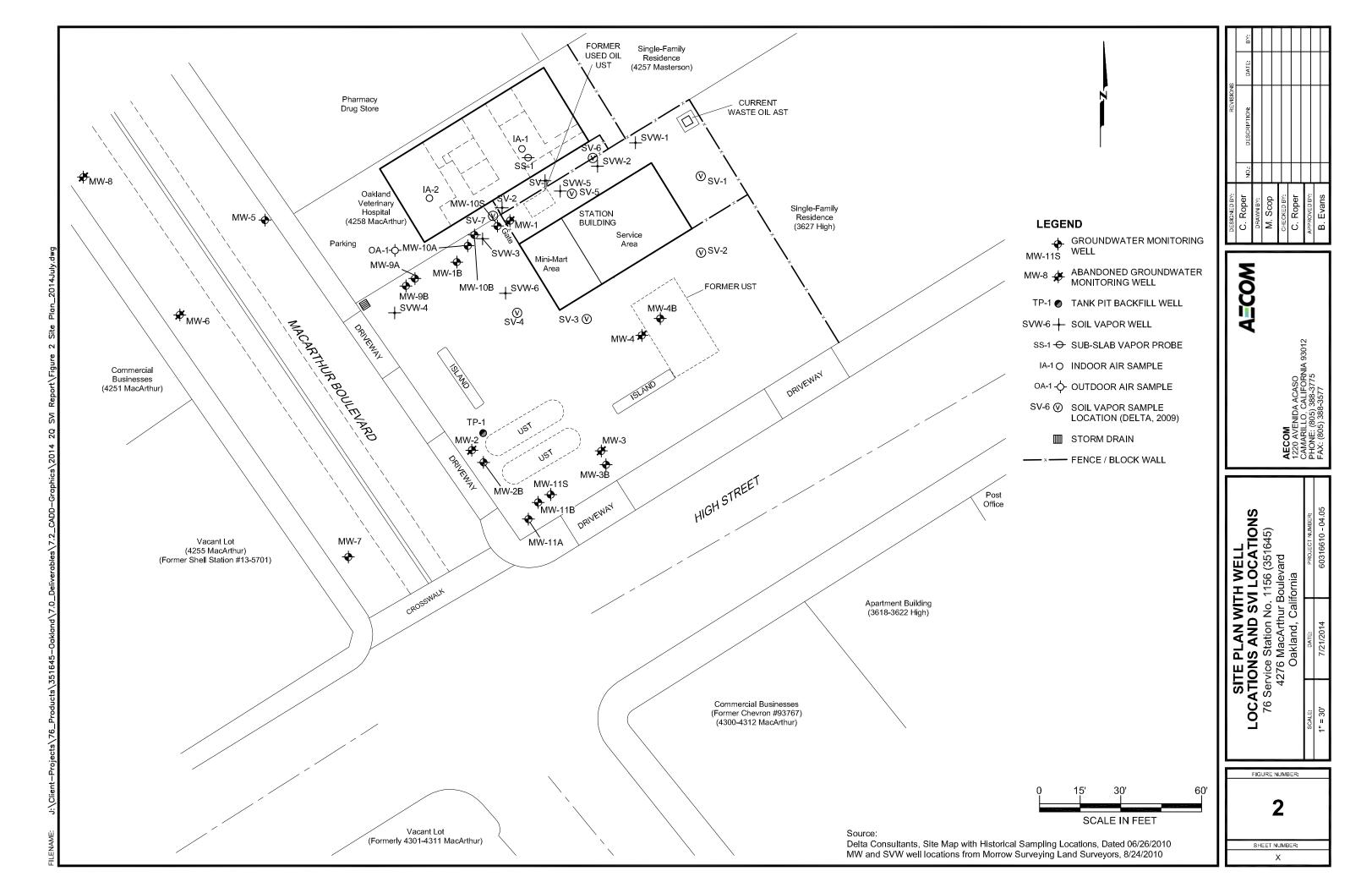
Based upon the above findings and conclusions, AECOM recommends continued monitoring of on-site and off-site groundwater wells. In order to better understand the vertical extent of groundwater impacts, groundwater monitoring will include the two recently installed shallow wells (MW-11S and MW-10S). The next groundwater monitoring event is scheduled for July 22, 2014. AECOM will evaluate the results of groundwater sampling in the next semiannual groundwater report and will outline a path forward at that time.

4.0 References

- AECOM. 2013a. Third Quarter 2013 Semiannual Groundwater Monitoring and Sampling Report. Former Unocal Station No. 1156, (Chevron Facility 351645), 4276 MacArthur Boulevard, Oakland, California, ACEH Case No. R00000409, RWQCB Case No. 01-2474. October 22.
- AECOM. 2013b. Report on Vapor Intrusion Investigation and Risk Assessment for the Oakland Veterinary Hospital, Former Unocal Station No. 1156, (Chevron Facility 351645), 4276
 MacArthur Boulevard, Oakland, California, ACEH Case No. R00000409, RWQCB Case No. 01-2474. October 29.
- AECOM. 2013c. Conceptual Site Model, Former Unocal Station No. 1156, (Chevron Facility 351645), 4276 MacArthur Boulevard, Oakland, California, ACEH Case No. R00000409, RWQCB Case No. 01-2474. November 11.
- AECOM. 2014. Remedial Technology Screening and Work Plan for Site Assessment, 76 Service Station No. 1156 (351645), 4276 MacArthur Boulevard, Oakland, California, ACEH Case No. R00000409, RWQCB Case No. 01-2474. March 5.
- Alameda County Environmental Health. 2014. *Conditional Work Plan Approval for Fuel Leak Case No. RO0000409 and GeoTracker Global ID T0600102279, Unocal #1156, 4276 MacArthur Boulevard, Oakland, CA 94619.* March 19.

Figures





Tables

Table 1 Laboratory Anaytical Results for Soil - VOCs

76 Service Station No. 1156 (351645) 4276 MacArthur Boulevard Oakland, California

| BORING | SAMPLE | SAMPLE DEPTH | DATE | В | T | E | Х | MTBE | Naphthalene |
|----------|----------------|--------------|-----------|----------|----------|---------|---------|----------|-------------|
| LOCATION | IDENTIFICATION | (feet bgs) | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| MW-10S | MW-10S-S-N-2 | 2.0 | 6/12/2014 | 0.018 | <0.0044 | 0.032 | <0.0088 | 0.0049 | 0.032 |
| | MW-10S-S-N-5 | 5.0 | 6/12/2014 | 0.0062 | <0.0050 | 0.021 | 0.017 | < 0.0050 | 0.0062 |
| | MW-10S-S-N-7 | 7.0 | 6/12/2014 | < 0.0050 | < 0.0050 | 0.012 | < 0.010 | < 0.0050 | 0.016 |
| | MW-10S-S-N-8.5 | 8.5 | 6/12/2014 | 0.24 | <0.089 | 0.57 | 0.55 | <0.089 | 0.17 |
| | MW-10S-S-N-10 | 10.0 | 6/12/2014 | 0.068 | <0.0050 | 0.040 | 0.041 | 0.0081 | 0.032 |
| MW-11S | MW-11S-S-N-2 | 2.0 | 6/11/2014 | <0.0041 | <0.0041 | <0.0041 | <0.0082 | <0.0041 | <0.0041 |
| | MW-11S-S-N-4 | 4.0 | 6/11/2014 | < 0.0041 | <0.0041 | <0.0041 | <0.0082 | <0.0041 | <0.0041 |
| | MW-11S-S-N-6 | 6.0 | 6/11/2014 | <0.098 | <0.098 | 0.13 | <0.20 | <0.098 | 0.48 |
| | MW-11S-S-N-8 | 8.0 | 6/11/2014 | 0.68 | 2.2 | 5.4 | 27 | 0.15 | 1.9 |
| | MW-11S-S-N-10 | 10.0 | 6/11/2014 | 0.28 | 1.6 | 2.2 | 12 | <0.11 | 1.2 |

Notes:

bgs = Below ground surface mg/kg = Milligrams per kilogram

<# = Analyte not detected at or above indicated laboratory practical quantitation limit B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE = Methyl tertiary-butyl ether

1 of 1 AECOM

Table 2 Laboratory Anaytical Results for Soil - TPH Carbon-Chain

76 Service Station No. 1156 (351645) 4276 MacArthur Boulevard Oakland, California

| BORING LOCATION | SAMPLE IDENTIFICATION | SAMPLE DEPTH (feet bgs) | DATE | TPH C8-C9 (mg/kg) | TPH C10-C11 (mg/kg) | TPH C12-C14 (mg/kg) | TPH C15-C16 (mg/kg) | TPH C17-C18 (mg/kg) | TPH C19-C20 (mg/kg) | TPH C21-C22 (mg/kg) | TPH C23-C28 (mg/kg) | TPH C29-C32 (mg/kg) | TPH C33-C36 (mg/kg) | TPH C37-C40 (mg/kg) | TPH C41-C43 (mg/kg) | TPH C44+ (mg/kg) | TPH (Total) (mg/kg) |
|--------------------|--------------------------|-------------------------------|-----------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------|---------------------------|
| MW-10S | MW-10S-S-N-2 | 2.0 | 6/12/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-10S-S-N-5 | 5.0 | 6/12/2014 | <1.0 | 2.8 | 1.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-10S-S-N-7 | 7.0 | 6/12/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-10S-S-N-8.5 | 8.5 | 6/12/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-10S-S-N-10 | 10.0 | 6/12/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| MW-11S | MW-11S-S-N-2 | 2.0 | 6/11/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.4 | 11 | 5.1 | 6.4 | <1.0 | <1.0 | 27 |
| | MW-11S-S-N-4 | 4.0 | 6/11/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.7 | 8.0 | 3.5 | <1.0 | <1.0 | <1.0 | 15 |
| | MW-11S-S-N-6 | 6.0 | 6/11/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | 4.2 | 1.3 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-11S-S-N-8 | 8.0 | 6/11/2014 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |
| | MW-11S-S-N-10 | 10.0 | 6/11/2014 | <1.0 | 1.9 | 1.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 |

Notes:
TPH = Total petroleum hydrocarbons

bgs = Below ground surface

mg/kg = Milligrams per kilogram

<# = Analyte not detected at or above indicated laboratory practical quantitation limit</p>

1 of 1 AECOM

Appendix A

November 21, 2013, ACEH Directive Letter

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

November 21, 2013

Nicole Arceneaux Ed Ralston

Chevron Environmental Management Company Phillips 66 Company

6101 Bollinger Canyon Road 76 Broadway

San Ramon, CA 94583 Sacramento, CA 95818

(Sent via E-mail to:

nicole.arceneaux@Chevron.com) (Sent via E-mail to: Ed.C.Ralston@p66.com)

Rajan Goswamy Carole Quick and Lorraine Mudget

4276 MacArthur Boulevard 10214 SW Stuart Court
Oakland, CA 94619 Portland, OR 97224-4304

(Sent via E-mail to: rajgoswamy@sbcglobal.net)

Subject: Case File Review for Fuel Leak Case No. RO0000409 and GeoTracker Global ID T0600102279, Unocal #1156, 4276 MacArthur Boulevard, Oakland, CA 94619

Dear Ms. Arceneaux, Mr. Hetrick, Ms. Quick, Ms. Mudget, and Mr. Goswamy:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the abovereferenced site, including the documents entitled, "Report on Vapor Intrusion Investigation and Risk Assessment for the Oakland Veterinary Hospital Located at 4258 MacArthur Boulevard, Oakland, CA," dated October 29, 2013 (Vapor Intrusion Report) and "Third Quarter 2013 Semiannual Groundwater Monitoring and Sampling Report" dated October 22, 2013 (Groundwater Monitoring Report). The Vapor Intrusion Report presents results from sampling of two existing soil vapor probes that were installed adjacent to the Oakland Veterinary Hospital. Soil vapor samples collected from the two probes on August 6, 2013 contained up to 190,000,000 micrograms per cubic meter (µg/m³) Total Petroleum Hydrocarbons as gasoline and 500,000 µg/m³ benzene. Vapor intrusion modeling indicated that the concentrations of petroleum hydrocarbons in soil vapor result in a potential excess lifetime cancer risk of 7.5E-05 and a noncancer hazard index of 1.4+E01. Based on these results, the Vapor Intrusion Report indicates that further evaluation is necessary to determine whether there is an unacceptable risk/hazard posed to occupants of the Oakland Veterinary Hospital. Paired sub-slab and indoor air sampling in the Oakland Veterinary Hospital is recommended. We concur that further evaluation is required and request that you submit a Work Plan no later than January 7, 2014 to conduct further evaluation of the vapor intrusion pathway.

To help address the elevated concentrations of petroleum hydrocarbons detected in soil vapor in the northwestern portion of the site adjacent to the Oakland Veterinary Hospital, we request that you also propose interim remediation or pilot testing in this area. Please submit a Work Plan to conduct interim remediation or pilot testing **no later than January 21, 2014**. If you would like to discuss a scope of work for the interim remediation or pilot testing prior to Work Plan preparation, please contact me to arrange a meeting.

The Groundwater Monitoring Report recommends additional groundwater monitoring in January 2014 with collection of additional natural attenuation parameters. We have no objection to the collection of the proposed additional parameters. Please present results from the groundwater sampling in the Semi-Annual Groundwater Monitoring Report requested below.

Responsible Parties RO0000409 November 21, 2013 Page 2

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

January 7, 2014 – Vapor Intrusion Work Plan
 File to be named: WP_R_yyyy-mm-dd RO409

 January 21, 2014 – Interim Remediation or Pilot Test Work Plan File to be named: WP_R_yyyy-mm-dd RO409

 March 30, 2014 – Semi-Annual Groundwater Monitoring Report File to be named: GWM R yyyy-mm-dd RO409

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297 Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 2032 (Sent via E-mail to: Igriffin @oaklandnet.com)

Maureen Dorsey, Oakland Veterinary Clinic, 4258 MacArthur Boulevard, Oakland, CA 94619

Responsible Parties RO0000409 November 21, 2013 Page 3

Brenda Evans, AECOM, 1220 Avenida Acaso, Camarillo, CA 93012 (Sent via E-mail to: brenda.evans@aecom.com)

Perry Pineda, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810-1039 (Sent via (Sent via E-mail to: perry.pineda@shell.com)

Peter Schaefer, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A Emeryville, CA 94608 (Sent via E-mail to: pschaefer@craworld.com)

Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker, e-File

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (https://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)

REVISION DATE: July 25, 2012

ISSUE DATE: July 5, 2005

PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) require submission of all reports in electronic form to the county's FTP site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Please do not submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a single Portable Document Format (PDF) with no password protection.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements must be included and have either original or electronic signature.
- <u>Do not</u> password protect the document. Once indexed and inserted into the correct electronic case file, the
 document will be secured in compliance with the County's current security standards and a password.
 <u>Documents with password protection will not be accepted.</u>
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

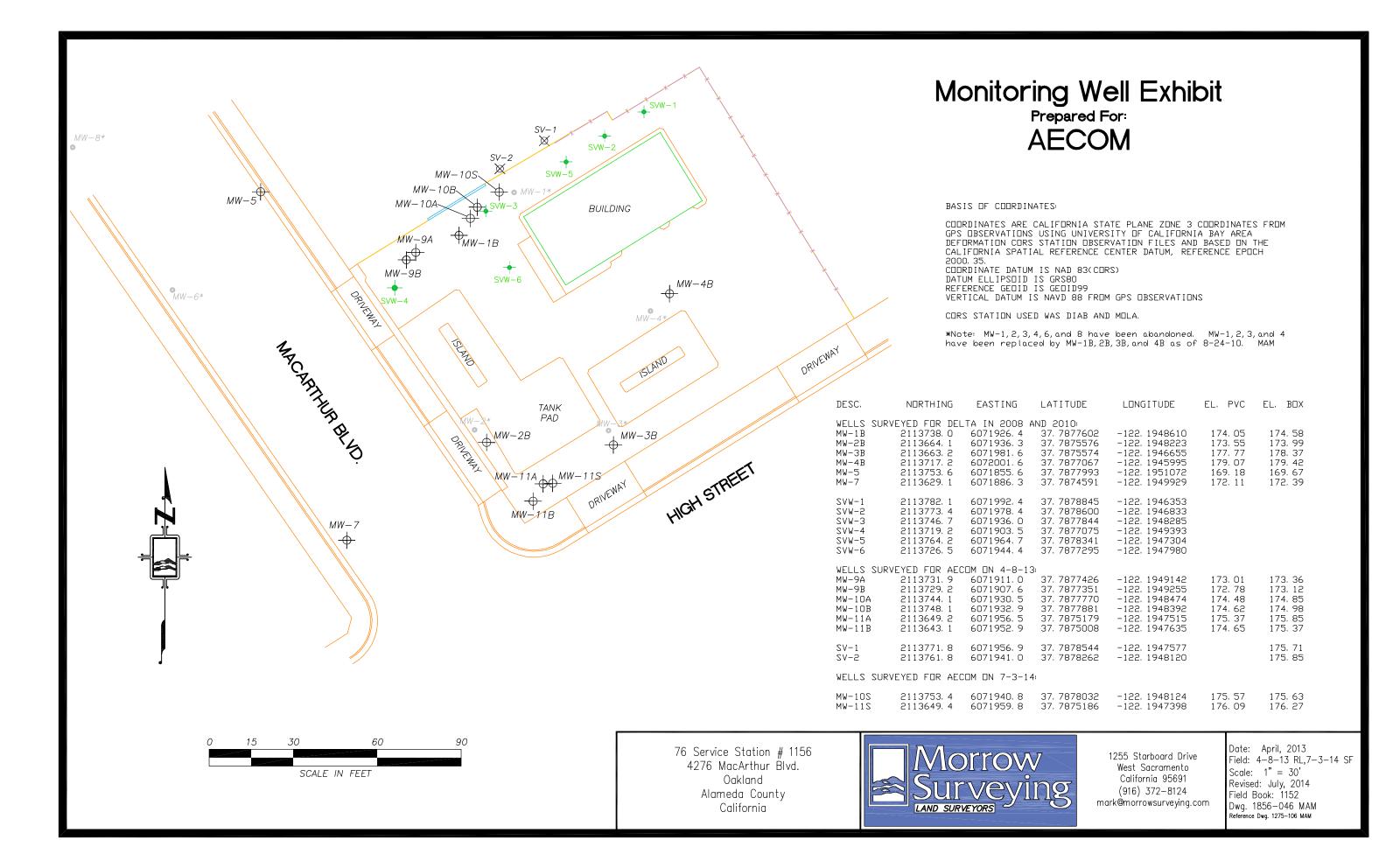
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to .loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include "ftp PASSWORD REQUEST" and in the body of your request, include the Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to ://alcoftp1.acgov.org
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Appendix B

Well Survey Map



Appendix C

Laboratory Analytical Data



Date of Report: 06/24/2014

Brenda Evans

AECOM

1220 Avenida Acaso Camarillo, CA 93012

Client Project: 351645 1156 **BCL Project:** 1413204 **BCL Work Order:** B176508 Invoice ID:

Enclosed are the results of analyses for samples received by the laboratory on 6/12/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers

Molly Meyers

Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101



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| | eum Hydrocarbons | |
| 1413204-02 - MW- | | |
| Volatile Orga | anic Analysis (EPA Method 8260B/5035) | 13 |
| Total Petrole | eum Hydrocarbons | 16 |
| 1413204-03 - MW- | | |
| Volatile Orga | anic Analysis (EPA Method 8260B/5035) | 17 |
| Total Petrole | eum Hydrocarbons | 20 |
| 1413204-04 - MW- | | |
| | anic Analysis (EPA Method 8260B/5035) | |
| Total Petrole | eum Hydrocarbons | 24 |
| 1413204-05 - MW- | | |
| | anic Analysis (EPA Method 8260B/5035) | |
| | eum Hydrocarbons | 28 |
| 1413204-06 - MW | | |
| | anic Analysis (EPA Method 8260B/5035) | |
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| | eum Hydrocarbons | 40 |
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| | CA 94583 | AN | | (v | Cu | | YXO di | EPA 8260B | 5601 | | XX | × × | ΥX | メ× | 7x | メメ | X | メメ | メイ | ΥX | | | Relinquished By | Received By Brandle | |
| | San Ramon, | | LEX/MTBE/OXXS Py EPA 8260B PH - G by GC/MS | | | | | - H9T | | | | | | | | | | | | | 4 1830 | 8 | | | |
| CHAIN OF CUSTODY FORM | Bollinger Canyon Road | HECOM | Evans | 7-388-3775 APTOW | | I'M Marms | | ories, Inc. : Molly Meyers kersield, CA 93308 | | # of Containers | h | 4 | 4 | 4 | Й | 4 | 4 | 4 | 4 | Ц | | | Solve Date / Time: $\beta < 1$ and $\beta < 1$ an | 3 6 | |
| OHAIN | Union Oil Company of California # 6101 Bollinger Canyon Road # San Ramon, CA 94583 | | Consultant Contact: Branda | Consultant Phone No.: 005 | Sampled By (PRINT): | 기 | Sampler Signature: | BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersifield, CA 93308 Phone No. 661-327-4911 | | Sample Time | 1330 | 1326 | 1340 | 1345 | 1350 | 1015 | 1020 | 1030 | 1040 | 1045 | | | Relinquished By Company | | |
| | Union Oil Com | | \dashv | | \vdash | | | t CORRECTLY and | | Date (yymmdd) | 1-11-901-1 | 140611 -2 | 1400H | ~ 1190H1 | 140611 -5 | 7- 219041 | t- 7190H | | 140612 -4 | 140012 10 | | | 1345 | 13-14 1345 | |
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| | - 1 | ١ | Site Global ID: | SITE ADDIESS: 4276 MOCARANOS BIND, Oakland | Union Oil PM: NICOle Arceneaux | Union Oil PM Phone No | Charge Code: NWRTB- $0.351\mu 45$ -0- LAB | This is a LEGAL document. <u>ALL</u> fields must be filled out CORRECTLY and COMPLETELY. | | Field Point Name | MW-115-5-N-2 -204001 WADA | MW-1155-N- 4-2014164 WASA | 115-5-N-16-2011/WEJA | MW-115-5-N-8-2017/16/1/WEA | MW-115-5-N-10-20MOBIN WASA | MUU-105-5-N-2-2014061ANGA | MW-105-5-N-5-20406/2W-BA | NW-105-5-N-7-2014 UM2 | MUS-105-5-N-8.5204UURW(S)A | MW-105-5-N-10-2014 CLAIZ WEDA | | | Relinquished By | Received By Compan | |



Chain of Custody and Cooler Receipt Form for 1413204 Page 2 of 2

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AECOM Report

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

1413204-01 COC Number:

Project Number: 1156 Sampling Location: ---

Sampling Point: MW-11S-S-N-2-140611

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/11/2014 13:30

Sample Depth: ---Lab Matrix: Solids

Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-11S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-02 COC Number: ---

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-11S-S-N-4-140611

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/11/2014 13:35

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-11S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-03 COC Number: ---

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-11S-S-N-6-140611

Sampled By: AEOR

Receive Date: 06/12/2014 22:35

Sampling Date: 06/11/2014 13:40

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-11S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

Report ID: 1000249145

Page 5 of 59

AECOM

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

1413204-04 COC Number:

Project Number: 1156 Sampling Location: ---

Sampling Point: MW-11S-S-N-8-140611

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/11/2014 13:45

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil

Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-11S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-05 COC Number: ---

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-11S-S-N-10-140611

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/11/2014 13:50

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-11S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-06 COC Number: --

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-10S-S-N-2-140612

Sampled By: AEOR

Receive Date: 06/12/2014 22:35

Sampling Date: 06/12/2014 10:15

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-10S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

Report ID: 1000249145

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AECOM

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

1413204-07 COC Number:

Project Number: 1156 Sampling Location: ---

Sampling Point: N

Sampled By:

MW-10S-S-N-5-140612

AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/12/2014 10:20

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil

Sample Type: Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-10S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-08 COC Number: ---

Project Number: 1156 Sampling Location: ---

Sampling Point: MW-10S-S-N-7-140612

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/12/2014 10:30

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-10S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

1413204-09 COC Number: --

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-10S-S-N-8.5-140612

Sampled By: AEOR

Receive Date: 06/12/2014 22:35

Sampling Date: 06/12/2014 10:40

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-10S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

Report ID: 1000249145

Page 7 of 59

AECOM Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

1413204-10 COC Number: ---

Project Number: 1156
Sampling Location: ---

Sampling Point: MW-10S-S-N-10-140612

Sampled By: AEOR

Receive Date: 06/12/2014 22:35 **Sampling Date:** 06/12/2014 10:45

Sample Depth: --Lab Matrix: Solids
Sample Type: Soil

Delivery Work Order:

Global ID:

Location ID (FieldPoint): MW-10S

Matrix: SO

Sample QC Type (SACode): CS

Cooler ID:

AECOM

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1413 | 3204-01 Client Samp | ie ivaine: | 1 130, 10100 | -110-0-11 | 2-140611, 6/11/2 | | | | |
|-----------------------------|---------------------|------------|--------------|-----------|------------------|------------|--------------|-------|--|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | |
| Benzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | - | 1 | |
| Bromobenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Bromochloromethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Bromodichloromethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Bromoform | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Bromomethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| n-Butylbenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| sec-Butylbenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| ert-Butylbenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Carbon tetrachloride | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Chlorobenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Chloroethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Chloroform | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Chloromethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1-Chlorotoluene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Dibromochloromethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,2-Dibromoethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Dibromomethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| rans-1,2-Dichloroethene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 9 of 59

1220 Avenida Acaso Camarillo, CA 93012 **Reported:** 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1413204-01 | Client Sampl | Client Sample Name: | | S-N-2-140611, 6/11/2 | 014 1:30:00 | 1:30:00PM | | |
|---------------------------------------|--------------|---------------------|---------------------|------------------------|-------------|-----------|--------|--|
| Constituent | Popult | Hoite | PQL MI | Ol Mothod | MB | Lab | D # | |
| Constituent cis-1,3-Dichloropropene | Result ND | Units mg/kg | 0.0041 | DL Method EPA-8260B | Bias ND | Quals | Run #1 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Ethylbenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Hexachlorobutadiene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Isopropylbenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Methylene chloride | ND | mg/kg | 0.0082 | EPA-8260B | ND | | 1 | |
| Methyl t-butyl ether | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Naphthalene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| n-Propylbenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Styrene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Tetrachloroethene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Toluene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Trichloroethene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Vinyl chloride | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| Total Xylenes | ND | mg/kg | 0.0082 | EPA-8260B | ND | | 1 | |
| o- & m-Xylenes | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| o-Xylene | ND | mg/kg | 0.0041 | EPA-8260B | ND | | 1 | |
| 1,2-Dichloroethane-d4 (Surrogate) | 107 | % | 70 - 121 (LCL - UCI | L) EPA-8260B | | | 1 | |
| Toluene-d8 (Surrogate) | 98.1 | % | 81 - 117 (LCL - UCI | L) EPA-8260B | | | 1 | |
| 4-Bromofluorobenzene (Surrogate) | 88.0 | % | 74 - 121 (LCL - UCI | L) EPA-8260B | | | 1 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield,



AECOM Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID | : 1413204-01 | Client Sar | Client Sample Name: 1156, MW-11S-S-N-2-140611, 6/11/2014 | | | | 1:30:00PM | |
|---------------|--------------|------------|--|---------|------------|----------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 15:42 | . ADC | MS-V3 | 0.821 | BXF1154 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 11 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-01 | Client Sampl | e Name: | 1156, MW- | 11S-S-N- | PM | | | |
|------------------------|------------|--------------|---------|---------------|----------|------------|------------|--------------|-------|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C23 - C28 | | 4.4 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C29 - C32 | | 11 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C33 - C36 | | 5.1 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C37 - C40 | | 6.4 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH (Total) | | 27 | mg/kg | 10 | | EPA-8015CC | ND | | 1 |
| Tetracosane (Surrogate | :) | 77.9 | % | 20 - 145 (LCL | UCL) | EPA-8015CC | | | 1 |

| Run | | | | | | | | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 17:13 | MWB | GC-2 | 0.984 | BXF1756 | |

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Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-02 | Client Sampl | e Name: | 1156, MW-11S-S-N-4-140611, 6/11/2014 1:35:00PM | | | | | | | |
|---------------------------|------------|--------------|---------|--|-----|-----------|------------|-------|--------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab | Run# | | |
| Benzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | Quals | Rull # | | |
| Bromobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Bromochloromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Bromodichloromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Bromoform | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Bromomethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| n-Butylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| sec-Butylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| tert-Butylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Carbon tetrachloride | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Chlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Chloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Chloroform | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Chloromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 2-Chlorotoluene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 4-Chlorotoluene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Dibromochloromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,2-Dibromo-3-chloropropa | ne | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,2-Dibromoethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Dibromomethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| Dichlorodifluoromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,1-Dichloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,2-Dichloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,1-Dichloroethene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| rans-1,2-Dichloroethene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,2-Dichloropropane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,3-Dichloropropane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 2,2-Dichloropropane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |
| 1,1-Dichloropropene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 | | |

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1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1 | 413204-02 | Client Sampl | e Name: | 1156, MW-115 | S-S-N-4 | 1-140611, 6/11/2 | 014 1:35:00 | PM | |
|---------------------------------|-----------|--------------|---------|-------------------|---------|------------------|-------------|--------------|-------|
| Constituent | | Result | Units | PQL N | MDL | Method | MB Bias | Lab Quals | Run # |
| cis-1,3-Dichloropropene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | · | 1 |
| trans-1,3-Dichloropropene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Ethylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Hexachlorobutadiene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Isopropylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| p-Isopropyltoluene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Methylene chloride | | ND | mg/kg | 0.0081 | | EPA-8260B | ND | | 1 |
| Methyl t-butyl ether | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Naphthalene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| n-Propylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Styrene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Tetrachloroethene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Toluene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,2,3-Trichlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,2,4-Trichlorobenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,1,1-Trichloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloroethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Trichloroethene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Trichlorofluoromethane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,2,3-Trichloropropane | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoro | pethane | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,2,4-Trimethylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,3,5-Trimethylbenzene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Vinyl chloride | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| Total Xylenes | | ND | mg/kg | 0.0081 | | EPA-8260B | ND | | 1 |
| p- & m-Xylenes | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| o-Xylene | | ND | mg/kg | 0.0041 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surr | ogate) | 106 | % | 70 - 121 (LCL - U | CL) | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | | 95.5 | % | 81 - 117 (LCL - U | CL) | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Sur | rogate) | 97.5 | % | 74 - 121 (LCL - U | CL) | EPA-8260B | | | 1 |

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Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID | : 1413204-02 | Client Sar | ient Sample Name: 1156, MW-11S-S-N-4-140611, 6/11/2014 | | | | 1:35:00PM | |
|---------------|--------------|------------|--|---------|------------|----------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 16:08 | ADC | MS-V3 | 0.813 | BXF1154 | |

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1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-02 | Client Sampl | e Name: | 1156, MW | 1156, MW-11S-S-N-4-140611, 6/11/2014 1:35:00PM | | | | | | |
|------------------------|------------|--------------|---------|--------------|--|------------|------------|--------------|------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run# | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C23 - C28 | | 3.7 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C29 - C32 | | 8.0 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C33 - C36 | | 3.5 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH (Total) | | 15 | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | |
| Tetracosane (Surrogate |) | 77.0 | % | 20 - 145 (LC | L - UCL) | EPA-8015CC | | | 1 | | |

| | | | Run | | | | QC | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 17:35 | MWB | GC-2 | 0.987 | BXF1756 | |

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Reported:

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

06/24/2014 16:39

| BCL Sample ID: 14132 | 04-03 Client Sampl | e Name: | | | | | | |
|-----------------------------|--------------------|----------------|-------|------|---------------------|------------|--------------|------------|
| Constituent | Dogulé | l luita | PQL | MDL | Mathad | MB | Lab | D # |
| Constituent Benzene | Result ND | Units mg/kg | 0.098 | WIDE | Method EPA-8260B | Bias ND | Quals A01 | Run # 1 |
| Bromobenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Bromochloromethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Bromodichloromethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | |
| Bromoform | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Bromomethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| n-Butylbenzene | 0.53 | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| sec-Butylbenzene | 0.14 | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Chlorobenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Chloroethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Chloroform | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Chloromethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Dibromochloromethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Dibromomethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.098 | | EPA-8260B | ND | A01 | 1 |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 17 of 59

Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 141320 | 04-03 Client Samp | ole Name: | lame: 1156, MW-11S-S-N-6-140611, 6/11/2014 1:40:00PM | | | | | | |
|--------------------------------------|-------------------|-----------|--|--------------|------------|--------------|-------|--|--|
| Constituent | Result | Units | PQL MI | DL Method | MB Bias | Lab Quals | Run # | | |
| cis-1,3-Dichloropropene | ND ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Ethylbenzene | 0.13 | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Hexachlorobutadiene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Isopropylbenzene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| p-Isopropyltoluene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Methylene chloride | ND | mg/kg | 0.20 | EPA-8260B | ND | A01 | 1 | | |
| Methyl t-butyl ether | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Naphthalene | 0.48 | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| n-Propylbenzene | 0.43 | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Styrene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Tetrachloroethene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Toluene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Trichloroethene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Trichlorofluoromethane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethan | e ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Vinyl chloride | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| Total Xylenes | ND | mg/kg | 0.20 | EPA-8260B | ND | A01 | 1 | | |
| p- & m-Xylenes | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| o-Xylene | ND | mg/kg | 0.098 | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 98.5 | % | 70 - 121 (LCL - UCI | _) EPA-8260B | | | 1 | | |
| Toluene-d8 (Surrogate) | 99.2 | % | 81 - 117 (LCL - UCI | _) EPA-8260B | | | 1 | | |
| 4-Bromofluorobenzene (Surrogate | 94.4 | % | 74 - 121 (LCL - UCI | _) EPA-8260B | | | 1 | | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 18 of 59



AECOM Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID | : 1413204-03 | Client Sar | t Sample Name: 1156, MW-11S-S-N-6-140611, 6/11/2014 | | | | 1:40:00PM | |
|---------------|--------------|------------|---|---------|------------|----------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 16:35 | ADC | MS-V3 | 19.592 | BXF1154 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 19 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-03 | Client Sampl | e Name: | 1156, MW-1 | 1156, MW-11S-S-N-6-140611, 6/11/2014 1:40:00PM | | | | | | |
|------------------------|------------|--------------|---------|-----------------|--|------------|------------|--------------|-------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C23 - C28 | | 2.1 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C29 - C32 | | 4.2 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C33 - C36 | | 1.3 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | |
| Tetracosane (Surrogate | e) | 82.7 | % | 20 - 145 (LCL - | - UCL) | EPA-8015CC | | | 1 | | |

| | | | Run | | QC | | | | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 17:58 | MWB | GC-2 | 0.997 | BXF1756 | | |

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AECOM 1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-04 | Client Sampl | 1156, MW-11S-S-N-8-140611, 6/11/2014 1:45:00PM | | | | | | | |
|---------------------------|------------|--------------|--|------|-----|-----------|------------|--------------|-------|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | |
| Benzene | | 0.68 | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Bromobenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Bromochloromethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Bromodichloromethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Bromoform | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Bromomethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| n-Butylbenzene | | 1.0 | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| sec-Butylbenzene | | 0.38 | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| tert-Butylbenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Carbon tetrachloride | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Chlorobenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Chloroethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Chloroform | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Chloromethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 2-Chlorotoluene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 4-Chlorotoluene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Dibromochloromethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,2-Dibromo-3-chloropropa | ne | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,2-Dibromoethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Dibromomethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| Dichlorodifluoromethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,1-Dichloroethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,2-Dichloroethane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,1-Dichloroethene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| trans-1,2-Dichloroethene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,2-Dichloropropane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,3-Dichloropropane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 2,2-Dichloropropane | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |
| 1,1-Dichloropropene | | ND | mg/kg | 0.10 | | EPA-8260B | ND | A01 | 1 | |

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Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 14 | 113204-04 | Client Sampl | e Name: | 1156, MW-11S | 1156, MW-11S-S-N-8-140611, 6/11/2014 1:45:00PM | | | | | | |
|---------------------------------|-----------|--------------|---------|--------------------|--|------------|--------------|------|--|--|--|
| Constituent | | Result | Units | PQL M | DL Method | MB Bias | Lab Quals | Run# | | | |
| cis-1,3-Dichloropropene | | ND | mg/kg | 0.10 | EPA-8260B | ND ND | A01 | 1 | | | |
| trans-1,3-Dichloropropene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Ethylbenzene | | 5.4 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Hexachlorobutadiene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Isopropylbenzene | | 0.71 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| p-lsopropyltoluene | | 0.23 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Methylene chloride | | ND | mg/kg | 0.21 | EPA-8260B | ND | A01 | 1 | | | |
| Methyl t-butyl ether | | 0.15 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Naphthalene | | 1.9 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| n-Propylbenzene | | 2.6 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Styrene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,1,2-Tetrachloroethane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2,2-Tetrachloroethane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Tetrachloroethene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Toluene | | 2.2 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,3-Trichlorobenzene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,4-Trichlorobenzene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,1-Trichloroethane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2-Trichloroethane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Trichloroethene | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Trichlorofluoromethane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,3-Trichloropropane | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoro | ethane | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,4-Trimethylbenzene | | 15 | mg/kg | 0.21 | EPA-8260B | ND | A01 | 2 | | | |
| 1,3,5-Trimethylbenzene | | 3.7 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Vinyl chloride | | ND | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| Total Xylenes | | 27 | mg/kg | 0.21 | EPA-8260B | ND | A01 | 1 | | | |
| p- & m-Xylenes | | 20 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| o-Xylene | | 7.0 | mg/kg | 0.10 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2-Dichloroethane-d4 (Surro | ogate) | 94.8 | % | 70 - 121 (LCL - UC | CL) EPA-8260B | | | 1 | | | |
| 1,2-Dichloroethane-d4 (Surro | ogate) | 94.3 | % | 70 - 121 (LCL - UC | CL) EPA-8260B | | | 2 | | | |
| Toluene-d8 (Surrogate) | | 105 | % | 81 - 117 (LCL - UC | CL) EPA-8260B | | | 1 | | | |
| Toluene-d8 (Surrogate) | | 104 | % | 81 - 117 (LCL - UC | CL) EPA-8260B | | | 2 | | | |

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MU

AECOM

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-04 | Client Sampl | nt Sample Name: 1156, MW-11S-S-N-8-140611, 6/11/2014 1:45:00PM | | | | | | | |
|----------------------|-------------|--------------|--|--------------|----------|-----------|------------|--------------|------|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run# | |
| 4-Bromofluorobenzene | (Surrogate) | 92.4 | % | 74 - 121 (LC | L - UCL) | EPA-8260B | | | 1 | |
| 4-Bromofluorobenzene | (Surrogate) | 101 | % | 74 - 121 (LC | L - UCL) | EPA-8260B | | | 2 | |

| | | | Run | | | | QC | |
|------|-----------|-----------|----------------|---------|------------|----------|----------|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 17:00 | ADC | MS-V3 | 20.973 | BXF1154 | |
| 2 | EPA-8260B | 06/14/14 | 06/24/14 04:00 | ADC | MS-V3 | 41.946 | BXF1154 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Reported: 06/24/2014 16:39

> Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-04 | Client Sampl | Client Sample Name: | | 1156, MW-11S-S-N-8-140611, 6/11/2014 1:45:00PM | | | | | | | |
|----------------------|------------|--------------|---------------------|-----------------|--|------------|------------|--------------|------|--|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run# | | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | | |
| Tetracosane (Surroga | te) | 74.6 | % | 20 - 145 (LCL - | UCL) | EPA-8015CC | | | 1 | | | |

| | | | Run | | | | QC | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 18:21 | MWB | GC-2 | 1 | BXF1756 | |

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1220 Avenida Acaso Camarillo, CA 93012 **Reported:** 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 141 | 3204-05 Client Samp | le Name: | 1156, MW | /-11S-S-N- | 10-140611, 6/11/ | 2014 1:50:00 | DPM | |
|-----------------------------|---------------------|----------|----------|------------|------------------|--------------|--------------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| Benzene | 0.28 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Bromobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Bromochloromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Bromodichloromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Bromoform | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Bromomethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| n-Butylbenzene | 0.63 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| sec-Butylbenzene | 0.23 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Chlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Chloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Chloroform | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Chloromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Dibromochloromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Dibromomethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |

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1220 Avenida Acaso Camarillo, CA 93012 **Reported:** 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 141 | 3204-05 Client S | ample Name: | 1156, M | W-11S-S-N- | -10-140611, 6/11 | /2014 1:50:00 | DPM | |
|-----------------------------------|------------------|--------------------|-------------|------------|---------------------|---------------|--------------|----------------|
| Constituent | Page | ult Units | PQL | MDL | Mothod | MB | Lab | D # |
| cis-1,3-Dichloropropene | Resu ND | ılt Units mg/kg | 0.11 | MIDE | Method EPA-8260B | Bias ND | Quals A01 | Run # 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Ethylbenzene | 2.2 | | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Isopropylbenzene | 0.35 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| p-Isopropyltoluene | 0.13 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Methylene chloride | ND | mg/kg | 0.21 | | EPA-8260B | ND | A01 | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Naphthalene | 1.2 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| n-Propylbenzene | 1.4 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Styrene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Tetrachloroethene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Toluene | 1.6 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Trichloroethene | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroet | thane ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | 6.4 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | 1.9 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Vinyl chloride | ND | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| Total Xylenes | 12 | mg/kg | 0.21 | | EPA-8260B | ND | A01 | 1 |
| p- & m-Xylenes | 8.9 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| o-Xylene | 3.3 | mg/kg | 0.11 | | EPA-8260B | ND | A01 | 1 |
| 1,2-Dichloroethane-d4 (Surrog | ate) 95.9 | % | 70 - 121 (l | CL - UCL) | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 99.8 | % | 81 - 117 (l | CL - UCL) | EPA-8260B | | · | 1 |
| 4-Bromofluorobenzene (Surro | gate) 98.7 | % | 74 - 121 (l | CL - UCL) | EPA-8260B | | | 1 |

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Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID | : 1413204-05 | Client Sar | nple Name: | 1156, MW-11S-S-N-10-140611, 6/11/2014 1:50:00PM | | | | |
|---------------|--------------|------------|------------------|---|------------|----------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 17:27 | ADC | MS-V3 | 21.115 | BXF1154 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 27 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-05 | Client Sampl | e Name: | 1156, MW-11 | 1156, MW-11S-S-N-10-140611, 6/11/2014 1:50:00PM | | | | | | | |
|-----------------------|------------|--------------|---------|-------------------|---|------------|------------|--------------|-------|--|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C10 - C11 | | 1.9 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C12 - C14 | | 1.9 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | | |
| Tetracosane (Surrogat | te) | 80.8 | % | 20 - 145 (LCL - I | UCL) | EPA-8015CC | | | 1 | | | |

| | | Run | | | | | QC | | | | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|--|--|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | | | | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 18:43 | MWB | GC-2 | 0.987 | BXF1756 | | | | |

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Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-06 | Client Sampl | 1156, MW-10S-S-N-2-140612, 6/12/2014 10:15:00AM | | | | | | |
|--------------------------|------------|--------------|---|---------------|-----|---------------------|------------|-------|------------|
| • | | <u> </u> | | | | | MB | Lab | |
| Constituent Benzene | | 0.018 | Units mg/kg | PQL 0.0044 | MDL | Method EPA-8260B | Bias ND | Quals | Run # 1 |
| Bromobenzene | | ND | | 0.0044 | | EPA-8260B | ND | | • |
| Bromochloromethane | | ND ND | mg/kg | | | EPA-8260B | ND ND | | 1 |
| Bromodichloromethane | | ND ND | mg/kg | 0.0044 | | EPA-8260B | ND ND | | 1 |
| | | | mg/kg | | | | | | 1 |
| Bromoform | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Bromomethane | | ND 0.040 | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| n-Butylbenzene | | 0.012 | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| sec-Butylbenzene | | 0.018 | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| tert-Butylbenzene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Carbon tetrachloride | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Chlorobenzene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Chloroethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Chloroform | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Chloromethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 2-Chlorotoluene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 4-Chlorotoluene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Dibromochloromethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromo-3-chloroprop | oane | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromoethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Dibromomethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| Dichlorodifluoromethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| trans-1,2-Dichloroethene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloropropane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,3-Dichloropropane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 2,2-Dichloropropane | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloropropene | | ND | mg/kg | 0.0044 | | EPA-8260B | ND | | 1 |

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AECOM Reported: 06/24/2014 16:39 Project: 1156 1220 Avenida Acaso

Camarillo, CA 93012 Project Number: 351645 Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1413204-0 | 6 Client Sample | Name: | 1156, MW-10S- | -S-N-2-140612, 6/ | 12/2014 10:15:0 | DOAM | |
|---------------------------------------|-----------------|-------|--------------------|-------------------|-----------------|--------------|-------|
| Constituent | Result | Units | PQL M | DL Method | MB Bias | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0044 | EPA-8260B | ND ND | Quuio | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Ethylbenzene | 0.032 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Isopropylbenzene | 0.026 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| p-lsopropyltoluene | 0.0068 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Methylene chloride | ND | mg/kg | 0.0088 | EPA-8260B | ND | | 1 |
| Methyl t-butyl ether | 0.0049 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Naphthalene | 0.032 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| n-Propylbenzene | 0.071 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Styrene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Toluene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Trichloroethene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,2,4-Trimethylbenzene | 0.11 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,3,5-Trimethylbenzene | 0.038 | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| Total Xylenes | ND | mg/kg | 0.0088 | EPA-8260B | ND | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| o-Xylene | ND | mg/kg | 0.0044 | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 101 | % | 70 - 121 (LCL - UC | EL) EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 103 | % | 81 - 117 (LCL - UC | EL) EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 93.8 | % | 74 - 121 (LCL - UC | EPA-8260B | | | 1 |

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1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID |): 1413204-06 | Client Sar | nple Name: | 1156, MW-109 | 1156, MW-10S-S-N-2-140612, 6/12/2014 10:15:00AM | | | | |
|---------------|---------------|------------|------------------|--------------|---|----------|----------------|--|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | | |
| 1 | EPA-8260B | 06/14/14 | 06/21/14 16:11 | ADC | MS-V3 | 0.876 | BXF1154 | | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 31 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-06 | Client Sampl | e Name: | 1156, MW- | 1156, MW-10S-S-N-2-140612, 6/12/2014 10:15:00AM | | | | | | |
|----------------------|------------|--------------|---------|---------------|---|------------|------------|--------------|-------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | |
| Tetracosane (Surroga | te) | 86.8 | % | 20 - 145 (LCL | - UCL) | EPA-8015CC | | | 1 | | |

| | | | Run | | QC | | | | |
|-------|------------|-----------|----------------|---------|------------|----------|----------|--|--|
| Run # | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 19:06 | MWB | GC-2 | 0.997 | BXF1756 | | |

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1220 Avenida Acaso

Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Camarillo, CA 93012 F

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-07 | Client Sampl | e Name: | 1156, MW | /-10S-S-N-5 | 5-140612, 6/12/2 | 014 10:20:00 | AM | |
|---------------------------|------------|--------------|---------|----------|-------------|------------------|--------------|--------------|-------|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| Benzene | | 0.0062 | mg/kg | 0.0050 | | EPA-8260B | ND | Quais | 1 |
| Bromobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromochloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromodichloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromoform | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromomethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| n-Butylbenzene | | 0.040 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| sec-Butylbenzene | | 0.044 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| tert-Butylbenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Carbon tetrachloride | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloroform | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 2-Chlorotoluene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 4-Chlorotoluene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dibromochloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromo-3-chloropropa | ine | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromoethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dibromomethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dichlorodifluoromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| trans-1,2-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,3-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 2,2-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloropropene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 33 of 59

AECOM Reported: 06/24/2014 16:39 Project: 1156 1220 Avenida Acaso

Camarillo, CA 93012 Project Number: 351645 Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 14132 | 04-07 Client Sample | e Name: | ame: 1156, MW-10S-S-N-5-140612, 6/12/2014 10:20:00AM | | | | | | | |
|--------------------------------------|---------------------|---------|--|--------------|------------|--------------|-------|--|--|--|
| Constituent | Result | Units | PQL MI | DL Method | MB Bias | Lab Quals | Run # | | | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Ethylbenzene | 0.021 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Isopropylbenzene | 0.042 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| p-Isopropyltoluene | 0.020 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Methylene chloride | ND | mg/kg | 0.010 | EPA-8260B | ND | | 1 | | | |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Naphthalene | 0.0062 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| n-Propylbenzene | 0.12 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Styrene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Tetrachloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Toluene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Trichloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethan | ne ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,2,4-Trimethylbenzene | 0.026 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Vinyl chloride | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| Total Xylenes | 0.017 | mg/kg | 0.010 | EPA-8260B | ND | | 1 | | | |
| p- & m-Xylenes | 0.017 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| o-Xylene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 | | | |
| 1,2-Dichloroethane-d4 (Surrogate |) 105 | % | 70 - 121 (LCL - UCI | _) EPA-8260B | | | 1 | | | |
| Toluene-d8 (Surrogate) | 100 | % | 81 - 117 (LCL - UCI | _) EPA-8260B | | | 1 | | | |
| 4-Bromofluorobenzene (Surrogate | 99.3 | % | 74 - 121 (LCL - UCI | _) EPA-8260B | | | 1 | | | |

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 34 of 59 Report ID: 1000249145



1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID |): 1413204-07 | Client Sar | nple Name: | 1156, MW-109 | 1156, MW-10S-S-N-5-140612, 6/12/2014 10:20:00AM | | | | |
|---------------|---------------|------------|------------------|--------------|---|----------|----------------|--|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | | |
| 1 | EPA-8260B | 06/14/14 | 06/21/14 16:37 | ADC | MS-V3 | 0.940 | BXF1154 | | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 35 of 59



1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-07 | Client Sampl | e Name: | 1156, MW-1 | 1156, MW-10S-S-N-5-140612, 6/12/2014 10:20:00AM | | | | | | |
|----------------------|------------|--------------|---------|-----------------|---|------------|------------|--------------|------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run# | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C10 - C11 | | 2.8 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C12 - C14 | | 1.6 | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | |
| Tetracosane (Surroga | te) | 80.0 | % | 20 - 145 (LCL - | · UCL) | EPA-8015CC | | | 1 | | |

| | | | Run | | QC | | | | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|--|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 20:13 | MWB | GC-2 | 0.993 | BXF1756 | | |

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Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: | 1413204-08 | Client Sampl | e Name: | 1156, MW-10S-S-N-7-140612, 6/12/2014 10:30:00AM | | | | | | |
|---------------------------|------------|--------------|---------|---|-----|-----------|------------|--------------|-------|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | |
| Benzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | Quais | 1 | |
| Bromobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Bromochloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Bromodichloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Bromoform | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Bromomethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| n-Butylbenzene | | 0.15 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| sec-Butylbenzene | | 0.096 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| tert-Butylbenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Carbon tetrachloride | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Chlorobenzene | | 0.032 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Chloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Chloroform | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Chloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 2-Chlorotoluene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 4-Chlorotoluene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Dibromochloromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,2-Dibromo-3-chloropropa | ne | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,2-Dibromoethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Dibromomethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| Dichlorodifluoromethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichloroethane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| trans-1,2-Dichloroethene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,2-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,3-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 2,2-Dichloropropane | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |
| 1,1-Dichloropropene | | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 | |

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AECOM Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 141320 | 4-08 Client Sample | e Name: | 1156, MW-10S- | S-N-7-140612, 6/12/ | 2014 10:30:00 | AM | |
|---------------------------------------|--------------------|---------|--------------------|---------------------|---------------|--------------|-------|
| Constituent | Result | Units | PQL MI | DL Method | MB Bias | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Ethylbenzene | 0.012 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Isopropylbenzene | 0.047 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| p-Isopropyltoluene | 0.022 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | EPA-8260B | ND | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Naphthalene | 0.016 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| n-Propylbenzene | 0.13 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Styrene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Toluene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | e ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,4-Trimethylbenzene | 0.076 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,3,5-Trimethylbenzene | 0.079 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | EPA-8260B | ND | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 100 | % | 70 - 121 (LCL - UC | L) EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 112 | % | 81 - 117 (LCL - UC | L) EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.7 | % | 74 - 121 (LCL - UC | L) EPA-8260B | | | 1 |

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Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID |): 1413204-08 | Client Sar | nple Name: | 1156, MW-10 | S-S-N-7-140612 | , 6/12/2014 | 10:30:00AM | |
|---------------|---------------|------------|------------------|-------------|----------------|-------------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/21/14 17:03 | ADC | MS-V3 | 0.954 | BXF1154 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 39 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-08 | Client Sampl | e Name: | 1156, MW- | 1156, MW-10S-S-N-7-140612, 6/12/2014 10:30:00AM | | | | | | | |
|----------------------|------------|--------------|---------|---------------|---|------------|------------|--------------|-------|--|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | | |
| Tetracosane (Surroga | te) | 89.0 | % | 20 - 145 (LCL | - UCL) | EPA-8015CC | | | 1 | | | |

| | | | Run | | | | QC | |
|-------|------------|-----------|----------------|---------|------------|----------|----------|--|
| Run # | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 20:36 | MWB | GC-2 | 1.007 | BXF1756 | |

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1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1 | 413204-09 | Client Sample Name: | | 1156, MW-10S-S-N-8.5-140612, 6/12/2014 10:40:00AM | | | | | | | |
|----------------------------|-----------|---------------------|-------|---|-----|-----------|------------|--------------|-------|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # | | |
| Benzene | | 0.24 | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Bromobenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Bromochloromethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Bromodichloromethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Bromoform | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Bromomethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| n-Butylbenzene | | 0.36 | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| sec-Butylbenzene | | 0.14 | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| ert-Butylbenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Carbon tetrachloride | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Chlorobenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Chloroethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Chloroform | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Chloromethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 2-Chlorotoluene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1-Chlorotoluene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Dibromochloromethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dibromo-3-chloropropar | е | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dibromoethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Dibromomethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dichlorobenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,3-Dichlorobenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,4-Dichlorobenzene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| Dichlorodifluoromethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,1-Dichloroethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dichloroethane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,1-Dichloroethene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| cis-1,2-Dichloroethene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| rans-1,2-Dichloroethene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,2-Dichloropropane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,3-Dichloropropane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 2,2-Dichloropropane | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |
| 1,1-Dichloropropene | | ND | mg/kg | 0.089 | | EPA-8260B | ND | A01 | 1 | | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 41 of 59

AECOM 1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID: 1413 | 3204-09 Client Sam | nple Name: | 1156, MW-10S- | 1156, MW-10S-S-N-8.5-140612, 6/12/2014 10:40:00AM | | | | | | |
|------------------------------------|--------------------|------------|--------------------|---|------------|--------------|-------|--|--|--|
| Constituent | Result | Units | PQL MI | DL Method | MB Bias | Lab Quals | Run # | | | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Ethylbenzene | 0.57 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Hexachlorobutadiene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Isopropylbenzene | 0.24 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| p-Isopropyltoluene | 0.11 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Methylene chloride | ND | mg/kg | 0.18 | EPA-8260B | ND | A01 | 1 | | | |
| Methyl t-butyl ether | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Naphthalene | 0.17 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| n-Propylbenzene | 0.60 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Styrene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Tetrachloroethene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Toluene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Trichloroethene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Trichlorofluoromethane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | nane ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2,4-Trimethylbenzene | 1.6 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,3,5-Trimethylbenzene | 0.42 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Vinyl chloride | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| Total Xylenes | 0.55 | mg/kg | 0.18 | EPA-8260B | ND | A01 | 1 | | | |
| p- & m-Xylenes | 0.55 | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| o-Xylene | ND | mg/kg | 0.089 | EPA-8260B | ND | A01 | 1 | | | |
| 1,2-Dichloroethane-d4 (Surroga | ate) 92.9 | % | 70 - 121 (LCL - UC | L) EPA-8260B | | | 1 | | | |
| Toluene-d8 (Surrogate) | 99.3 | % | 81 - 117 (LCL - UC | L) EPA-8260B | | | 1 | | | |
| 4-Bromofluorobenzene (Surrog | ate) 95.8 | % | 74 - 121 (LCL - UC | L) EPA-8260B | | | 1 | | | |

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Reported:

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

06/24/2014 16:39

| BCL Sample ID | : 1413204-09 | Client Sar | mple Name: | 1156, MW-109 | S-S-N-8.5-14061 | 12, 6/12/2014 | 10:40:00AM | |
|---------------|--------------|------------|------------------|--------------|-----------------|---------------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/20/14 19:11 | ADC | MS-V3 | 17.883 | BXF1155 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 43 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-09 | Client Sampl | Client Sample Name: | | 1156, MW-10S-S-N-8.5-140612, 6/12/2014 10:40:00AM | | | | | | | |
|----------------------|------------|--------------|---------------------|-----------------|---|------------|------------|--------------|------|--|--|--|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run# | | | |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 | | | |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 | | | |
| Tetracosane (Surroga | te) | 80.9 | % | 20 - 145 (LCL - | · UCL) | EPA-8015CC | | | 1 | | | |

| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID | |
|------|------------|-----------|----------------|---------|------------|----------|----------|--|
| 1 | EPA-8015CC | 06/19/14 | 06/22/14 20:58 | MWB | GC-2 | 0.997 | BXF1756 | |

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4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

AECOM Reported: 06/24/2014 16:39 Project: 1156 1220 Avenida Acaso

Camarillo, CA 93012 Project Number: 351645 Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| | - | | | | | MB | Lab | |
|-----------------------------|--------|-------|--------|-----|-----------|------|-------|---------------|
| Constituent | Result | Units | PQL | MDL | Method | Bias | Quals | Run # |
| Benzene | 0.068 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| n-Butylbenzene | 0.0058 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| ert-Butylbenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chlorobenzene | 0.0076 | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| rans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | <u>·</u> 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | <u>·</u> 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | <u>'</u> 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | | EPA-8260B | ND | | 1 |

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 45 of 59 Report ID: 1000249145

AECOM Reported:

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

06/24/2014 16:39

| BCL Sample ID: 1413 | 3204-10 Client Sam | ple Name: | 1156, MW-10S- | S-N-10-140612, 6/1 | 2/2014 10:45:0 | 0AM | |
|------------------------------------|--------------------|-----------|---------------------|--------------------|----------------|--------------|-------|
| Constituent | Result | Units | PQL MI | DL Method | MB Bias | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Ethylbenzene | 0.040 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | EPA-8260B | ND | | 1 |
| Methyl t-butyl ether | 0.0081 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Naphthalene | 0.032 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| n-Propylbenzene | 0.011 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Styrene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Toluene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | nane ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2,4-Trimethylbenzene | 0.069 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,3,5-Trimethylbenzene | 0.015 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| Total Xylenes | 0.041 | mg/kg | 0.010 | EPA-8260B | ND | | 1 |
| p- & m-Xylenes | 0.041 | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | EPA-8260B | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surroga | ate) 102 | % | 70 - 121 (LCL - UCI | L) EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 99.3 | % | 81 - 117 (LCL - UCI | L) EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrog | ate) 96.7 | % | 74 - 121 (LCL - UCI | L) EPA-8260B | | | 1 |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 46 of 59



Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

| BCL Sample ID | : 1413204-10 | Client Sar | nple Name: | 1156, MW-10 | S-S-N-10-14061 | 2, 6/12/2014 | 10:45:00AM | |
|---------------|--------------|------------|------------------|-------------|----------------|--------------|----------------|--|
| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | |
| 1 | EPA-8260B | 06/14/14 | 06/21/14 17:29 | ADC | MS-V3 | 0.906 | BXF1155 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 47 of 59

Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

| BCL Sample ID: | 1413204-10 | Client Sampl | e Name: | 1156, MW-1 | 10S-S-N- | 10-140612, 6/12/2 | 2014 10:45:0 | MA00 | |
|----------------------|------------|--------------|---------|-----------------|----------|-------------------|--------------|--------------|-------|
| Constituent | | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| TPH - C8 - C9 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C10 - C11 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C12 - C14 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C15 - C16 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C17 - C18 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C19 - C20 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C21 - C22 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C23 - C28 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C29 - C32 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C33 - C36 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C37 - C40 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C41 - C43 | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH - C44 plus | | ND | mg/kg | 1.0 | | EPA-8015CC | ND | | 1 |
| TPH (Total) | | ND | mg/kg | 10 | | EPA-8015CC | ND | | 1 |
| Tetracosane (Surroga | te) | 85.6 | % | 20 - 145 (LCL - | - UCL) | EPA-8015CC | | | 1 |

| | | | Run | | | | QC |
|------|------------|-----------|----------------|---------|------------|----------|----------|
| Run# | Method | Prep Date | Date/Time | Analyst | Instrument | Dilution | Batch ID |
| 1 [| EPA-8015CC | 06/19/14 | 06/22/14 21:20 | MWB | GC-2 | 1 | BXF1756 |

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

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1. 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Report ID: 1000249145

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|--------|-----|-----------|
| QC Batch ID: BXF1154 | | | | | | |
| Benzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromochloromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromodichloromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromoform | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromomethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| n-Butylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| sec-Butylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| tert-Butylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Carbon tetrachloride | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Chlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloroform | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 2-Chlorotoluene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 4-Chlorotoluene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Dibromochloromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dibromo-3-chloropropane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dibromoethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Dibromomethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,3-Dichlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,4-Dichlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| Dichlorodifluoromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloroethene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| cis-1,2-Dichloroethene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| trans-1,2-Dichloroethene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichloropropane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,3-Dichloropropane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 2,2-Dichloropropane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloropropene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| cis-1,3-Dichloropropene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | | |
| | | | | | | |

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Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL MDL Lab Qua | ls |
|---------------------------------------|--------------|-----------|-------|----------------------|----|
| QC Batch ID: BXF1154 | | | | | |
| trans-1,3-Dichloropropene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Ethylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Hexachlorobutadiene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Isopropylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| p-Isopropyltoluene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Methylene chloride | BXF1154-BLK1 | ND | mg/kg | 0.010 | |
| Methyl t-butyl ether | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Naphthalene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| n-Propylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Styrene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,1,1,2-Tetrachloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,1,2,2-Tetrachloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Tetrachloroethene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Toluene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,2,3-Trichlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,2,4-Trichlorobenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,1,1-Trichloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,1,2-Trichloroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Trichloroethene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Trichlorofluoromethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,2,3-Trichloropropane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,2,4-Trimethylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,3,5-Trimethylbenzene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Vinyl chloride | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| Total Xylenes | BXF1154-BLK1 | ND | mg/kg | 0.010 | |
| p- & m-Xylenes | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| o-Xylene | BXF1154-BLK1 | ND | mg/kg | 0.0050 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXF1154-BLK1 | 84.3 | % | 70 - 121 (LCL - UCL) | |
| Toluene-d8 (Surrogate) | BXF1154-BLK1 | 95.6 | % | 81 - 117 (LCL - UCL) | |
| 4-Bromofluorobenzene (Surrogate) | BXF1154-BLK1 | 90.6 | % | 74 - 121 (LCL - UCL) | |
| QC Batch ID: BXF1155 | | | | | |
| Benzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 50 of 59

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

1220 Avenida Acaso Camarillo, CA 93012

AECOM

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|--------|-----|-----------|
| QC Batch ID: BXF1155 | | | | | | |
| Bromobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromochloromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromodichloromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromoform | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Bromomethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| n-Butylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| sec-Butylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| tert-Butylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Carbon tetrachloride | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Chlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloroform | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Chloromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 2-Chlorotoluene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 4-Chlorotoluene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Dibromochloromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dibromo-3-chloropropane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dibromoethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Dibromomethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,3-Dichlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,4-Dichlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Dichlorodifluoromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloroethene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| cis-1,2-Dichloroethene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| trans-1,2-Dichloroethene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichloropropane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,3-Dichloropropane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 2,2-Dichloropropane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1-Dichloropropene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| cis-1,3-Dichloropropene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| trans-1,3-Dichloropropene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |

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Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

AECOM 1220 Avenida Acaso Camarillo, CA 93012

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---------------------------------------|--------------|-----------|-------|----------|-------------|-----------|
| QC Batch ID: BXF1155 | | | | | | |
| Ethylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Hexachlorobutadiene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Isopropylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| p-Isopropyltoluene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Methylene chloride | BXF1155-BLK1 | ND | mg/kg | 0.010 | | |
| Methyl t-butyl ether | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Naphthalene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| n-Propylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Styrene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1,1,2-Tetrachloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1,2,2-Tetrachloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Tetrachloroethene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Toluene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2,3-Trichlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2,4-Trichlorobenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1,1-Trichloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1,2-Trichloroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Trichloroethene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Trichlorofluoromethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2,3-Trichloropropane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2,4-Trimethylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,3,5-Trimethylbenzene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Vinyl chloride | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| Total Xylenes | BXF1155-BLK1 | ND | mg/kg | 0.010 | | |
| p- & m-Xylenes | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| o-Xylene | BXF1155-BLK1 | ND | mg/kg | 0.0050 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXF1155-BLK1 | 84.6 | % | 70 - 121 | (LCL - UCL) | |
| Toluene-d8 (Surrogate) | BXF1155-BLK1 | 95.8 | % | 81 - 117 | (LCL - UCL) | |
| 4-Bromofluorobenzene (Surrogate) | BXF1155-BLK1 | 88.2 | % | 74 - 121 | (LCL - UCL) | |

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Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Laboratory Control Sample

| | <u> </u> | | • | | | | • | Control I | imite | |
|-----------------------------------|--------------|------|----------|----------|-------|----------|-----|-----------|---------|-------|
| | | | | Spike | | Percent | | Percent | Lilling | Lab |
| Constituent | QC Sample ID | Type | Result | Level | Units | Recovery | RPD | Recovery | RPD | Quals |
| QC Batch ID: BXF1154 | | | | | | | | | | |
| Benzene | BXF1154-BS1 | LCS | 0.12776 | 0.12500 | mg/kg | 102 | | 70 - 130 | | |
| Bromodichloromethane | BXF1154-BS1 | LCS | 0.10026 | 0.12500 | mg/kg | 80.2 | | 70 - 130 | | |
| Chlorobenzene | BXF1154-BS1 | LCS | 0.11437 | 0.12500 | mg/kg | 91.5 | | 70 - 130 | | |
| Chloroethane | BXF1154-BS1 | LCS | 0.12138 | 0.12500 | mg/kg | 97.1 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXF1154-BS1 | LCS | 0.12363 | 0.12500 | mg/kg | 98.9 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXF1154-BS1 | LCS | 0.12029 | 0.12500 | mg/kg | 96.2 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXF1154-BS1 | LCS | 0.13317 | 0.12500 | mg/kg | 107 | | 70 - 130 | | |
| Toluene | BXF1154-BS1 | LCS | 0.11345 | 0.12500 | mg/kg | 90.8 | | 70 - 130 | | |
| Trichloroethene | BXF1154-BS1 | LCS | 0.10824 | 0.12500 | mg/kg | 86.6 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXF1154-BS1 | LCS | 0.043240 | 0.050000 | mg/kg | 86.5 | | 70 - 121 | | |
| Toluene-d8 (Surrogate) | BXF1154-BS1 | LCS | 0.048970 | 0.050000 | mg/kg | 97.9 | | 81 - 117 | | |
| 4-Bromofluorobenzene (Surrogate) | BXF1154-BS1 | LCS | 0.047410 | 0.050000 | mg/kg | 94.8 | | 74 - 121 | | |
| QC Batch ID: BXF1155 | | | | | | | | | | |
| Benzene | BXF1155-BS1 | LCS | 0.13115 | 0.12500 | mg/kg | 105 | | 70 - 130 | | |
| Bromodichloromethane | BXF1155-BS1 | LCS | 0.10073 | 0.12500 | mg/kg | 80.6 | | 70 - 130 | | |
| Chlorobenzene | BXF1155-BS1 | LCS | 0.11480 | 0.12500 | mg/kg | 91.8 | | 70 - 130 | | |
| Chloroethane | BXF1155-BS1 | LCS | 0.12790 | 0.12500 | mg/kg | 102 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXF1155-BS1 | LCS | 0.12350 | 0.12500 | mg/kg | 98.8 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXF1155-BS1 | LCS | 0.12091 | 0.12500 | mg/kg | 96.7 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXF1155-BS1 | LCS | 0.13283 | 0.12500 | mg/kg | 106 | | 70 - 130 | | |
| Toluene | BXF1155-BS1 | LCS | 0.11606 | 0.12500 | mg/kg | 92.8 | | 70 - 130 | | |
| Trichloroethene | BXF1155-BS1 | LCS | 0.10735 | 0.12500 | mg/kg | 85.9 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXF1155-BS1 | LCS | 0.043040 | 0.050000 | mg/kg | 86.1 | | 70 - 121 | | |
| Toluene-d8 (Surrogate) | BXF1155-BS1 | LCS | 0.048670 | 0.050000 | mg/kg | 97.3 | | 81 - 117 | | |
| 4-Bromofluorobenzene (Surrogate) | BXF1155-BS1 | LCS | 0.047130 | 0.050000 | mg/kg | 94.3 | | 74 - 121 | | |
| | | | | | | | | | | |

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1220 Avenida Acaso Camarillo, CA 93012 **Reported:** 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

| | | | | | | | | | Cont | rol Limits | |
|-----------------------------------|-----------|----------------|----------|----------|----------|----------------|-----|--------------|------|----------------------|-------|
| | | Source | Source | | Spike | | | Percent | | Percent | Lab |
| Constituent | Type | Sample ID | Result | Result | Added | Units | RPD | Recovery | RPD | Recovery | Quals |
| | 1 | I P (| . N | | | | | | | | |
| QC Batch ID: BXF1154 | | d client samp | | | | | | | | | |
| Benzene | MS | 1408395-64 | ND | 0.13089 | 0.12500 | mg/kg | 4.0 | 105 | 00 | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.12924 | 0.12500 | mg/kg | 1.3 | 103 | 20 | 70 - 130 | |
| Bromodichloromethane | MS | 1408395-64 | ND | 0.10291 | 0.12500 | mg/kg | | 82.3 | | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.10350 | 0.12500 | mg/kg | 0.6 | 82.8 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1408395-64 | ND | 0.11869 | 0.12500 | mg/kg | | 95.0 | | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.12072 | 0.12500 | mg/kg | 1.7 | 96.6 | 20 | 70 - 130 | |
| Chloroethane | MS | 1408395-64 | ND | 0.12347 | 0.12500 | mg/kg | | 98.8 | | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.12043 | 0.12500 | mg/kg | 2.5 | 96.3 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1408395-64 | ND | 0.12729 | 0.12500 | mg/kg | | 102 | | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.12951 | 0.12500 | mg/kg | 1.7 | 104 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1408395-64 | ND | 0.12308 | 0.12500 | mg/kg | | 98.5 | | 70 - 130 | |
| , | MSD | 1408395-64 | ND | 0.12010 | 0.12500 | mg/kg | 2.5 | 96.1 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | MS | 1408395-64 | ND | 0.13939 | 0.12500 | mg/kg | | 112 | | 70 - 130 | |
| 1,1 Didiliorocticite | MSD | 1408395-64 | ND | 0.13716 | 0.12500 | mg/kg | 1.6 | 110 | 20 | 70 - 130 | |
| Toluono | | 1408395-64 | | 0.11888 | 0.12500 | | | 95.1 | | 70 - 130 | |
| Toluene | MS MSD | 1408395-64 | ND ND | 0.11000 | 0.12500 | mg/kg mg/kg | 0.5 | 95.1 95.5 | 20 | 70 - 130 70 - 130 | |
| | | | | | | | 0.5 | | 20 | | |
| Trichloroethene | MS | 1408395-64 | ND | 0.11379 | 0.12500 | mg/kg | 0.0 | 91.0 | 00 | 70 - 130 | |
| | MSD | 1408395-64 | ND | 0.11453 | 0.12500 | mg/kg | 0.6 | 91.6 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1408395-64 | ND | 0.042480 | 0.050000 | mg/kg | | 85.0 | | 70 - 121 | |
| | MSD | 1408395-64 | ND | 0.041960 | 0.050000 | mg/kg | 1.2 | 83.9 | | 70 - 121 | |
| Toluene-d8 (Surrogate) | MS | 1408395-64 | ND | 0.048910 | 0.050000 | mg/kg | | 97.8 | | 81 - 117 | |
| | MSD | 1408395-64 | ND | 0.048440 | 0.050000 | mg/kg | 1.0 | 96.9 | | 81 - 117 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1408395-64 | ND | 0.047440 | 0.050000 | mg/kg | | 94.9 | | 74 - 121 | |
| | MSD | 1408395-64 | ND | 0.048470 | 0.050000 | mg/kg | 2.1 | 96.9 | | 74 - 121 | |
| OC Bataly ID. DVE4455 | Llse | ed client samp | ılə. N | | | | | | | | |
| QC Batch ID: BXF1155 Benzene | ∟ MS | 1408395-67 | ND | 0.12517 | 0.12500 | mg/kg | | 100 | | 70 - 130 | |
| Delizerie | MSD | 1408395-67 | ND | 0.12517 | 0.12500 | mg/kg | 1.0 | 100 | 20 | 70 - 130 | |
| Down diship was the same | | | | | | | 1.0 | | | | |
| Bromodichloromethane | MS | 1408395-67 | ND | 0.098970 | 0.12500 | mg/kg | 0.7 | 79.2 | 20 | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.099660 | 0.12500 | mg/kg | 0.7 | 79.7 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1408395-67 | ND | 0.11625 | 0.12500 | mg/kg | | 93.0 | 0.5 | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.11724 | 0.12500 | mg/kg | 0.8 | 93.8 | 20 | 70 - 130 | |
| Chloroethane | MS | 1408395-67 | ND | 0.12041 | 0.12500 | mg/kg | | 96.3 | | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.12036 | 0.12500 | mg/kg | 0.0 | 96.3 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1408395-67 | ND | 0.12280 | 0.12500 | mg/kg | | 98.2 | _ | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.12488 | 0.12500 | mg/kg | 1.7 | 99.9 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1408395-67 | ND | 0.11683 | 0.12500 | mg/kg | | 93.5 | | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.11926 | 0.12500 | mg/kg | 2.1 | 95.4 | 20 | 70 - 130 | |

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Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

| | | • | | • | | | • | | | | |
|-----------------------------------|------|----------------|--------|----------|----------|-------|-----|----------|------|-------------|-------|
| | | | | | | | | | Cont | trol Limits | |
| | | Source | Source | | Spike | | | Percent | | Percent | Lab |
| Constituent | Туре | Sample ID | Result | Result | Added | Units | RPD | Recovery | RPD | Recovery | Quals |
| QC Batch ID: BXF1155 | Use | ed client samp | ole: N | | | | | | | | |
| 1,1-Dichloroethene | MS | 1408395-67 | ND | 0.12733 | 0.12500 | mg/kg | | 102 | | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.13087 | 0.12500 | mg/kg | 2.7 | 105 | 20 | 70 - 130 | |
| Toluene | MS | 1408395-67 | ND | 0.11333 | 0.12500 | mg/kg | | 90.7 | | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.11396 | 0.12500 | mg/kg | 0.6 | 91.2 | 20 | 70 - 130 | |
| Trichloroethene | MS | 1408395-67 | ND | 0.10735 | 0.12500 | mg/kg | | 85.9 | | 70 - 130 | |
| | MSD | 1408395-67 | ND | 0.10806 | 0.12500 | mg/kg | 0.7 | 86.4 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1408395-67 | ND | 0.040470 | 0.050000 | mg/kg | | 80.9 | | 70 - 121 | |
| | MSD | 1408395-67 | ND | 0.041500 | 0.050000 | mg/kg | 2.5 | 83.0 | | 70 - 121 | |
| Toluene-d8 (Surrogate) | MS | 1408395-67 | ND | 0.048390 | 0.050000 | mg/kg | | 96.8 | | 81 - 117 | |
| | MSD | 1408395-67 | ND | 0.048810 | 0.050000 | mg/kg | 0.9 | 97.6 | | 81 - 117 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1408395-67 | ND | 0.047210 | 0.050000 | mg/kg | | 94.4 | | 74 - 121 | |
| | MSD | 1408395-67 | ND | 0.046510 | 0.050000 | mg/kg | 1.5 | 93.0 | | 74 - 121 | |
| | | | | | | | | | | | |

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Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

AECOM 1220 Avenida Acaso Camarillo, CA 93012

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-------------------------|--------------|-----------|-------|---------|---------------|-----------|
| QC Batch ID: BXF1756 | | | | | | |
| TPH - C8 - C9 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C10 - C11 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C12 - C14 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C15 - C16 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C17 - C18 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C19 - C20 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C21 - C22 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C23 - C28 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C29 - C32 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C33 - C36 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C37 - C40 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C41 - C43 | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH - C44 plus | BXF1756-BLK1 | ND | mg/kg | 1.0 | | |
| TPH (Total) | BXF1756-BLK1 | ND | mg/kg | 10 | | |
| TPH - Diesel (FFP) | BXF1756-BLK1 | ND | mg/kg | 10 | | |
| Tetracosane (Surrogate) | BXF1756-BLK1 | 87.7 | % | 20 - 14 | 5 (LCL - UCL) | |

Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 56 of 59

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156 Project Number: 351645 Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

| | | | | | | | | Control L | imits | | |
|-------------------------|--------------|------|--------|--------|-------|----------|-----|-----------|-------|-------|--|
| | | | | Spike | | Percent | | Percent | | Lab | |
| Constituent | QC Sample ID | Type | Result | Level | Units | Recovery | RPD | Recovery | RPD | Quals | |
| QC Batch ID: BXF1756 | | | | | | | | | | | |
| TPH - Diesel (FFP) | BXF1756-BS1 | LCS | 73.932 | 81.433 | mg/kg | 90.8 | | 64 - 124 | | | |
| Tetracosane (Surrogate) | BXF1756-BS1 | LCS | 2.9072 | 3.2573 | mg/kg | 89.3 | | 20 - 145 | | | |

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 57 of 59 Report ID: 1000249145

1220 Avenida Acaso Camarillo, CA 93012 Reported: 06/24/2014 16:39

Project: 1156
Project Number: 351645
Project Manager: Brenda Evans

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

| | | | | | | | | | Cont | rol Limits | |
|-------------------------|----------------|---------------|-------------|--------------|-------------|-----------|---------|-----------|------|------------|-------|
| | | Source | Source | | Spike | | | Percent | | Percent | Lab |
| Constituent | Type | Sample ID | Result | Result | Added | Units | RPD | Recovery | RPD | Recovery | Quals |
| QC Batch ID: BXF1756 | Use | d client samp | le: Y - Des | cription: MV | V-11S-S-N-2 | 2-140611. | 06/11/2 | 014 13:30 | | | |
| TPH - Diesel (FFP) | ─ MS | 1413204-01 | ND | 70.910 | 83.056 | mg/kg | | 85.4 | | 52 - 131 | |
| | MSD | 1413204-01 | ND | 74.080 | 83.333 | mg/kg | 4.4 | 88.9 | 30 | 52 - 131 | |
| Tetracosane (Surrogate) | MS | 1413204-01 | ND | 2.8684 | 3.3223 | mg/kg | | 86.3 | | 20 - 145 | |
| | MSD | 1413204-01 | ND | 2.9502 | 3.3333 | mg/kg | 2.8 | 88.5 | | 20 - 145 | |

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AECOM Reported: 06/24/2014 16:39

1220 Avenida Acaso Project: 1156
Camarillo, CA 93012 Project Number: 351645
Project Manager: Brenda Evans

Notes And Definitions

MDL Method Detection Limit

ND Analyte Not Detected at or above the reporting limit

PQL Practical Quantitation Limit
RPD Relative Percent Difference

A01 PQL's and MDL's are raised due to sample dilution.

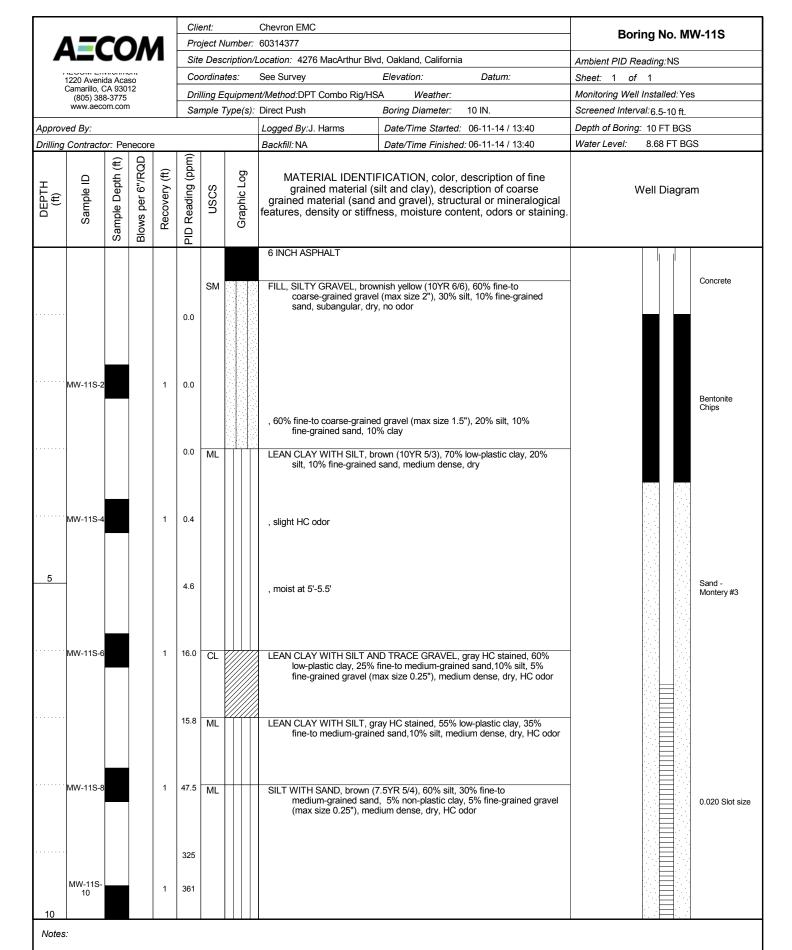
Report ID: 1000249145 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Appendix D

Boring Logs and Well Construction Diagrams

Client: Chevron EMC Boring No. MW-10S Project Number: 60314377 Site Description/Location: 4276 MacArthur Blvd, Oakland, California Ambient PID Reading: NS See Survey Datum: 1220 Avenida Acaso Camarillo, CA 93012 Sheet: 1 of 1 Drilling Equipment/Method:DPT Combo Rig/HSA Weather: Monitoring Well Installed: Yes (805) 388-3775 www.aecom.com Screened Interval: 6.5-10 ft. Sample Type(s): Direct Push Boring Diameter: 10 IN. Approved By: Logged By:J. Harms Date/Time Started: 06-12-14 / 10:15 Depth of Boring: 10 FT BGS Drilling Contractor: Penecore Backfill: NA Date/Time Finished: 06-12-14 / 10:45 Water Level: dry FT BGS (mdd) Blows per 6"/RQD Sample Depth (ft) Recovery (ft) MATERIAL IDENTIFICATION, color, description of fine Log \Box Reading (DEPTH (ft) **USCS** Sample I grained material (silt and clay), description of coarse Well Diagram Graphic L grained material (sand and gravel), structural or mineralogical features, density or stiffness, moisture content, odors or staining. 딢 3 INCH ASPHALT LEAN CLAY WITH SAND AND GRAVEL, brown (5YR 5/4), 70% low-plastic clay, 20% fine-to medium-grained sand, 10% fine-grained gravel (max size 0.25"), subangular, medium dense, ML Concrete dry, HC odor 0.4 MW-10S-2 1 2.6 CH FAT CLAY, olive gray (5Y5/2) with orange mottling, 90% medium-plastic clay, 10% silt, stiff, dry, HC odor Bentonite 0.7 LEAN CLAY, olive gray (5Y5/2), 80% low-plastic clay, 10% fine-to medium-grained sand, 10% silt, stiff, dry, HC odor CL 4 1 Sand -MW-10S-5 1 8.1 Montery #3 ML SILT WITH SAND, olive gray and brown mottled (5Y 5/2 and 5YR 5/4), 60% silt, 20% low-plastic clay, 20% fine-to coarse-grained sand, dense, dry, odor decreases, gravel at 5.5' to 5.7' 0.4 СН FAT CLAY, brown (10 YR 6/4) with grey staining, 90% medium-plastic clay, 10% silt, stiff, dry, HC odor and staining MW-10S-7 28.1 MW-10S-8 2.9 0.020 Slot size 24 , 85% medium-plastic clay, 10% silt, 5% gravel MW-10S 3.5 10

Notes:



Appendix E

Well Development Logs

A=COM

Well/Piezometer Development Record

| Vell/Piez. | ID: |
|------------|------|
| mw | -105 |

Site Location: 4276 Mac Arthur RIVD, Oakland CA Developer: Jim Harms Date: 7-5-14 Project No: **WELL/PIEZOMETER DATA** Material 3/655 Diameter ___ Piezometer Well 🔀 Measuring Point Description Geology at Screen Interval (if known) Depth to Top of Screen (ft.) 10.0 Depth to Bottom of Screen (ft.) Time of Water Level Measurement 10.33 Total Well Depth (ft.) Calculate Purge Volume (gal.) Depth to Static Water Level (ft.) Disposal Method Wellhead PID/FID Original Well Development Redevelopment Date of Original Development _____ **PURGE METHOD DEVELOPMENT METHOD** Serial Number Field Testing Equipment Used: Model Field Testing Calibration Documentation Found in Field Notebook # _____ Page # _____ Volume Spec. Cond Time Removed (gal) T° (C/F) pН (umhos) Turbidity (NTUs) DO Color Odor Other ACCEPTANCE CRITERIA (from workplan) Min. Purge Volume (____ well volumes) ___ gallons Has required volume been removed Maximum Turbidity Allowed _____ NTUs Has required turbidity been reached Stabilization of parameters _____% Have parameters stabilized If no or N/A explain below: Date:

| Well/Piez. ID: | |
|----------------|--|
| nw-115 | |

| | | , | r CII/I | | ter Develo | - | | | | |
|--|--|----------------------------------|--|--|---|---|-------------------------------------|------------------------|------------------------------------|------------------|
| Client: | Chevron | | _ | Site Location | n: <u>427</u> 6 | MacAi | thur | Blvd, | Oakland | 1 |
| Project No | D: | | Date: | 7/3/14 | <u>.</u> | Develope | Jim | Harn | 25 | |
| WELL/PII | EZOMETER DA | ГА | | | | | | | | |
| Well 🔀 | | Piezomete | er 🔲 | | Diameter | /(| | Material _. | 316 55 | |
| Measuring | g Point Description | on | North | Top C | asiny | | t Screen In | terval | , | |
| Depth to 1 | Γορ of Screen (ft | .) | _ 3. | | - | (if known) | | | | |
| Depth to E | Bottom of Screen | (ft.) | _10. | 6 | | Time of W | ater Level I | Measuremo | ent | 0840 |
| Total Well | Depth (ft.) | | | 0.16 | _ | Calculate | Purge Volu | me (gal.) | 4.14 × .65 | 1.92.7 |
| Depth to S | Static Water Leve | el (ft.) | 6 | 02 | - | Disposal N | /lethod | _dr | UM | |
| | | | | | | Wellhead | PID/FID | | | |
| Original W | ell Developmen | | | Redevelopm | | Date of Or | iginal Deve | elopment | 7/3/14 | |
| DEVELOR | PMENT METHO | D | Baile | r diner | Wal pump | PURGE M | ETHOD | | | |
| Field Test | ing Equipment U | | | | Make | Mo | odel | Seri | al Number | |
| | | | | | otmeder II | 5 | DA | | DOTH | |
| | | | | | / | | | | | |
| Field Test | ing Calibration D | ocumentat | ion Foun | nd in Field Not | ebook # | | Page # | | | |
| Field Test | ing Calibration D | ocumentat | ion Foun | nd in Field Not | ebook # | | Page # | | | |
| | Volume | | | Spec. Cond | Color | | | | ORP | 1 |
| Time 0) 48 | Volume Removed (gal) | | pH | | | DO 0.46 | Page # | Odor 4 | - | |
| Time 0) 18 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color | Odor | ORP -Other -14 -12 | |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | dry@ 69 |
| Time 0) 18 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color bra bra | Odor HC HC | ORP -Other -14 -12 | dry@69 |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | dry@69 |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | drye 6 g |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | drye 6 g |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | dry@69 |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | drye 6 g |
| Time 0148 0.706 0707 | Volume Removed (gal) 2.0 2.0 4.0 | T° (C/F) 71.9 72.2 68.5 | pH 7.46 6.75 | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy | DO 0.46 | Color brn brn | Odor HC HC HC | 0RP -Other -14 -12 -16 | dry@69 dry@6. |
| Time 0) 18 0.706 0707 6950 | Volume Removed (gal) 2.0 2.0 4.5 6.0 6.25 | T° (C/F) 71.9 72.2 68.5 (1.8 | pH 7.46 6.75 6.67 6.92 | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbicity (NTUs) ben - Cloudy Clundy Silty | DO 0.46 0.4/ 0.39 | Color bra bra bra | Odor HC HG MC | 0RP -Other -14 -12 -16 | dry@69 dry@6. |
| Time 0) 18 0.706 0707 6950 ACCEPTA Min. Purge | Volume Removed (gal) 2.0 2.0 4.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77.9 72.2 68.5 (7.8 | pH 7.46 6.75 6.67 6.92 (kplan) | Spec. Cond (umhos) 2/86 22/0 225/ | Color Turbidity (NTUs) ben - Cloudy Cloudy Silty Has required volu | DO 0.46 0.4/ 0.39 | Color bra bra bra bra emoved | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | drye 6 g |
| Time 0198 0707 6750 ACCEPTA Min. Purge Maximum | Volume Removed (gal) 2.0 2.0 4.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77.9 72.2 68.5 69.8 | pH 7.46 6.75 6.67 6.92 (kplan) | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbidity (NTUs) ben - Cloudy Cloudy Silty Has required volu Has required turb | DO 0.46 0.4/ 0.39 me been reidity been re | Color bra bra bra bra emoved | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | dry@69 dry@6. |
| Time 0198 0707 6750 ACCEPTA Min. Purge Maximum Stabilizatio | Volume Removed (gal) 2.0 2.0 7.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77. 9 72. 2 68. 5 69. 8 | pH 7.46 6.75 6.67 6.92 (kplan) es) Us | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbidity (NTUs) ben - Cloudy Cloudy Silty Has required volu | DO 0.46 0.4/ 0.39 me been residity been restabilized | Color bra bra bra bra emoved eached | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | drye 6 g |
| Time 0198 0707 6750 ACCEPTA Min. Purge Maximum Stabilizatio | Volume Removed (gal) 2.0 2.0 7.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77. 9 72. 2 68. 5 69. 8 | pH 7.46 6.75 6.67 6.92 (kplan) es) Us | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbidity (NTUs) brn - Cloudy Cloudy Silty Has required voluthas required turb Have parameters | DO 0.46 0.4/ 0.39 me been residity been restabilized | Color bra bra bra bra emoved eached | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | dry@69 dry@6. |
| Time 0198 0707 6750 ACCEPTA Min. Purge Maximum Stabilizatio | Volume Removed (gal) 2.0 2.0 4.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77. 9 72. 2 68. 5 69. 8 | pH 7.46 6.75 6.67 6.92 (kplan) es) Us | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbidity (NTUs) brn - Cloudy Cloudy Silty Has required voluthas required turb Have parameters | DO 0.46 0.4/ 0.39 me been residity been restabilized | Color bra bra bra bra emoved eached | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | dry@69 dry@6. |
| Time 0198 0707 6750 ACCEPTA Min. Purge Maximum Stabilizatio | Volume Removed (gal) 2.0 2.0 7.5 6.0 6.25 NCE CRITERIA Volume (| T° (C/F) 77. 9 72. 2 68. 5 69. 8 | pH 7.46 6.75 6.67 6.92 (kplan) es) Us | Spec. Cond (umhos) 2/86 22/0 275/ 2224 | Color Turbidity (NTUs) brn - Cloudy Cloudy Silty Has required voluthas required turb Have parameters | DO 0.46 0.4/ 0.39 me been residity been restabilized | Color bra bra bra bra emoved eached | Odor HC HG MC | 0RP -Other -14 -12 -16 +25 | dry@69 dry@6. |



Equipment Calibration Daily Log Water Equipment

| Project Name <u>351645</u> 6 6 1 | _ Date: <u>7/3// 4</u> | | | | | | |
|-------------------------------------|------------------------|---------------|------------------------------|---------|--|--|--|
| Project No. | Location | thur | Time: AM _ \dot \frac{745}{} | | | | |
| Positive response checks will be do | ne every 4 hrs.; AM, N | lidday and PM | | PM | | | |
| | | pH Meter | | | | | |
| Model Ultra wher | | Serial No | | | | | |
| | AM Adjustmer | nt PM | | | | | |
| pri 7.00 banei Golalion, pri 🚞 | 1.40 7.02 | | Exp. Date | Lot # | | | |
| pH 4.00 Buffer Solution: pH 🏻 ᅽ | 43 4.01 | | Lot # | | | | |
| pH 10.00 Buffer Solution: pH 🦊 | .61 10.03 | | Exp. Date | Lot # | | | |
| Temperature 67.0 | F (AM) | (PM) | Comments | | | | |
| Operator Signature | (AM) | (PM) | | | | | |
| 1.1 | Co | onductivity N | /leter | | | | |
| Model VItra Mete | 111 | | | | | | |
| Calibration Solution | | | Exp. Date | Lot # | | | |
| AM | Adjustment | PM | Comments | | | | |
| Micromho Reading | | | | | | | |
| Temperature | | | - | | | | |
| Operator Signature | | | · | | | | |
| | | | | | | | |
| | | Turbidimete | er | | | | |
| Model | | - | Serial No | | | | |
| Calibration Blank AM | Adjustment | PM | Comments | | | | |
| | | | - | | | | |
| | | | - | | | | |
| | | | - | | | | |
| Operator Signature | (AM) | (PM) | | | | | |
| | Dies | olved Oxyge | n Meter | | | | |
| Model <u> </u> | Dissi | Dived Oxyge | Serial No. 7 | o III | | | |
| Calibration Method Fresh | Air | | Comments | | | | |
| Precalibration (mg/L)8.45 | (AM) | (PM) | | | | | |
| Post-calibration (mg/L) | | (PM) | | | | | |
| Operator Signature | | | | | | | |
| | | | | | | | |
| Madal | | | otential Meter | | | | |
| Model ———— | | | | | | | |
| Zobell Solution Expiration Date - | | | Zobell Solution | Lot No. | | | |
| Temp.(Zobeli Solu | tion) | eading | Actual Reading | | | | |
| AM | | | | | | | |
| РМ | | | | | | | |
| Operator Signature | (AM) | (PM) | 1111 | | | | |
| | | | | ** | | | |
| Checked By | | | Date | * | | | |
| • | | | | | | | |